



**472**  
**September 2018**

# Scramble



***Baltic Air Policing  
Fairford 2018***



*According to the official aircraft register of the Cayman Islands CAA Boeing 737 BBJ VP-CAM is now owned by Peace Crown Limited. The aircraft was built in 2010 and delivered in 2011 after cabin outfitting (Zurich-Kloten, 3 August 2018, Ton Jochems)*



*This Boeing 737 was already built in 1999 but only delivered in 2001 to Netjets as N129QS. In 2010 Washington Flight Services became the new owner and it was re-registered to N162WC (Brussels, 27 June 2018, Yannick van Praag)*



*Ton Jochems saw this Boeing 737-700 RA-73004 of Gazpromavia at Porto on 7 July 2018. The day after it departed via Lisbon to Moscow. The aircraft was delivered in 2007 after it had flown for Jet Airways.*

## Editorial

A slightly thinner issue than you are used from us, only 96 pages, but we blame that on the summer holidays and in one instance a computer hard disk crash. Therefore quite a few sections shine in their absence, but they will be back with double data next month.

We do have a regular size Military News & Updates, and a heavy edition of the Showreports, including a report on the RIAT, held at RAF Fairford. Unfortunately Farnborough will have to wait a month, as we are still compiling the data from that event. The Triptease features a report on Marana (AZ) and we have an article on the Baltic Air Policing, submitted by the 10,000th follower of our Scramble Facebook page.

Our search for a dedicated USAF OrBat editor resulted in welcoming back into the fold of Dennis Peteri. He hit the ground running with updating our USAFE OrBat and asking for recent pictures, to which we got a great response. Soon you will see the fruits of his labour.

We are still looking for a new Bizjets/Bizprops editor, to strengthen our editorial team. If you are interested in this we would love to hear from you at [bestuur@scramble.nl](mailto:bestuur@scramble.nl).

Also we are on the lookout for someone to help out with our social media team. If you spent a considerable amount of time on Facebook and/or Twitter and have a very keen interest in aviation (both civil and military) we are looking forward to a response at [social@scramble.nl](mailto:social@scramble.nl).

## Important dates

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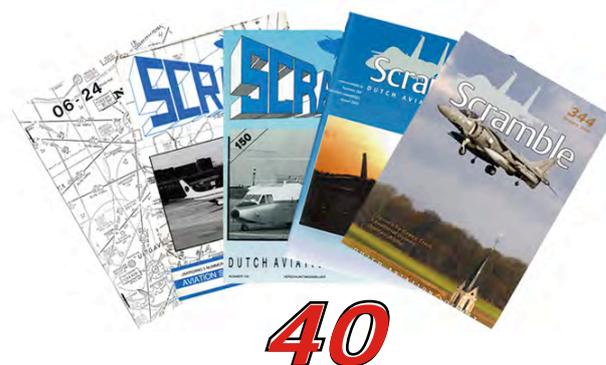
## Contents

|                              |    |
|------------------------------|----|
| Movements Netherlands.....   | 2  |
| Movements Belgium.....       | 17 |
| Civil News.....              | 24 |
| Airliner News.....           | 24 |
| Jetliners.....               | 24 |
| Commuters.....               | 27 |
| Propliners.....              | 28 |
| Fokker News.....             | 29 |
| Bizjets.....                 | 30 |
| Bizprops.....                | 32 |
| Soviet Updates.....          | 33 |
| Wrecks & Relics.....         | 36 |
| Warbirds.....                | 38 |
| Dustpan & Brush.....         | 40 |
| Military News & Updates..... | 47 |
| Showreports.....             | 75 |
| Triptease.....               | 91 |
| Miscellaneous                |    |
| Baltic Air Policing.....     | 93 |

## Cover Photo



Slowly, the ageing Belgian Air Force C-130 Hercules fleet is being phased out and from 2020, they will be replaced by A400Ms. (CH07, Kleine-Brogel, 1 February 2018, Toon Cox)



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# Movements Netherlands



A court case against the UAE brought by Qatar last month, alleged that the Emirates had violated international law by expelling thousands of resident Qataris and freezing their assets, as well as banning travel and shutting down the Qatari-owned al Jazeera's news operations in the country. This resulted in a significantly increased number of traffic from these countries at the beginning of this July. Airbus A320 A7-MBK operated by Qatar Airways Amiri Flight was one of the aircraft. (Amsterdam - Schiphol, 4 July 2018, Robert Eikelenboom)

## Amsterdam

| July 2018  |               |                             |                  |
|------------|---------------|-----------------------------|------------------|
| 01. 9H-BBJ | B737-7BC      | Privajet                    | dep PVJ135       |
| 2-BLUE     | CL-601-3A     | Volare Aviation             | dep              |
| 9H-MAC     | B737-548      | Maleth Aero                 | 02 MLT135/F      |
| 9H-VCM     | CL-350        | VistaJet Malta              | 02 VJT457        |
| C-FRTW     | B787-9        | Air Canada                  | f/v ACA824/5     |
| C-GGPM     | G550          | Barrick Gold                | 03               |
| CS-TFR     | Lj45          | Omni Air                    | 02 OAV304P/304   |
| D-CAPB     | Ce560 Encore+ | Aerowest                    |                  |
| D-CEHM     | Ce560XLS      | Stuttgarter Flugdienst      | SCR021           |
| D-CHDJ     | Ce560XLS      | Excellent Air               | dep ECA61        |
| D-CKBO     | Ce525A        | Silver Cloud Air            | SCR357           |
| D-IMAX     | Ce525A        | Sylt Air                    | 02 AWU901/2      |
| D-ISAR     | Raytheon 390  | Euroflug Frenzel            |                  |
| D-IWWW     | Raytheon 390  | Luxaviation Germany         | LXG44W           |
| F-HRGD     | ERJ145LU      | Aero4M                      | AEH571/711F      |
| G-KLNV     | Ce510         | Saxonair                    | 03 SXN51D        |
| LX-EVM     | Falcon 2000LX | Global Jet Luxemb.          | 02 SVW29VM       |
| M-GSKY     | Global XRS    | IJM                         | dep              |
| N1MK       | G200          | Jet Edge                    | f/v 04 EDG1      |
| N515TJ     | Beech 400A    | Blackburn Int'l             | dep              |
| N900EG     | G-IV          | Greenfield Aviation         | f/v GAJ4         |
| OE-FBD     | Ce510         | GlobeAir                    | GAC653R/431H     |
| OO-JLO     | B737-8K5      | TUI Belgium                 | TFL297/1627      |
| OO-XLS     | Ce560XLS+     | Air Service Liège           | dep              |
| OY-NLA     | Ce650         | North Flying                | NFA057/P         |
| SE-RIL     | Ce560XLS      | H-Bird Aviation             | ET1801Z          |
| SP-KPR     | Saab 340AQC   | Sprint Air                  | f/v SRN013/4     |
| 02. 9H-VCE | CL-350        | VistaJet Malta              | 03 VJT474        |
| D-CNAG     | SA227DC       | Binair                      | dep BID7A        |
| D-CNAG     | SA227DC       | Binair                      | BID7B/C          |
| D-IADV     | Ce551         | MCH Holdings                |                  |
| D-CKBO     | Ce525A        | Silver Cloud Air            | 03 SCR357        |
| G-HCSA     | Ce525A        | Bookajet                    | 11 BOO819        |
| G-RNFR     | CL-605        | TAG Aviation (UK)           |                  |
| LN-LNF     | B787-8        | Norwegian                   | f/v NAX8982/7701 |
| M-NTOS     | Ce525C        | Selementos                  |                  |
| N155AN     | G550          | Nissan North America        | 05               |
| N1777M     | G650          | Jet Aviation                | 03 JAS61         |
| OE-IEN     | Falcon 2000EX | Global Jet Austria          | GLJ93EN          |
| OE-IVV     | A320-214      | easyJet Europe              | f/v EZY6921/2    |
| OE-LML     | Global 6000   | IJM                         | IJM747           |
| OO-JLO     | B737-8K5      | TUI Belgium                 | TFL1628/298      |
| 03. 9H-BBJ | B737-7BC      | Privajet                    | 08 PVJ135/153    |
| 9H-YES     | B737-5Q8      | Air X Charter               | 06 AXY304/602    |
| D-BAHB     | Falcon 2000LX | MHS Aviation                | dep MHV20Y       |
| D-BLUE     | Falcon 2000LX | ACM Air Charter             | f/v 04 BVR222    |
| D-CAHO     | Ce560XLS+     | Air Hamburg                 | 04 AHO371V       |
| D-IUVH     | Ce510         | Haacke LTIF                 | 04               |
| F-HADV     | PA-46-500TP   | Vignobles en Vol            | 04               |
| F-HINC     | Lj75          | Groupe Roullier             | 04               |
| G-LFBD     | Ce525A        | Centreline                  | 04 CLF692/670    |
| G-OJTR     | CL-350        | Executive Aviation Services | f/v 04           |
| G-CKMU     | B787-9        | Norwegian                   | 04 NAX7902/7951  |
| G-RNFR     | CL-605        | TAG Aviation (UK)           | 04 2x            |
| I-MOFI     | Falcon 2000LX | Sirio                       | SIO618           |
| LN-LNF     | B787-8        | Norwegian                   | NAX7700/8983     |
| LX-GJM     | Ce525C        | Global Jet Luxemb.          | SVW24JM          |
| LX-VMF     | Ce560XL       | Luxaviation                 | dep LXA15P       |
| LX-VMF     | Ce560XL       | Luxaviation                 | 06 LXA15P        |
| LY-PGC     | B737-4S3      | GetJet (a/w)                | TAR880/1         |
| N260Z      | G550          | Nissan North America        | 06               |
| N707FJ     | Falcon 900    | Exxaero                     | 08               |
| N720AN     | B777-323ER    | American Airlines           | f/v AAL220/1     |
| OE-FDT     | Ce510         | GlobeAir                    | 04 GAC747Q/747R  |
| OO-XLS     | Ce560XLS+     | Air Service Liège           | 06               |
| 04. D-102  | CH-47D        | 298sq                       | *Grizzly12       |
| 9H-AVM     | B757-23A      | JetMagic                    | 07 JMK404/1422   |
| 9H-VFE     | CL-605        | VistaJet Malta              | VJT565           |
| 9H-VJK     | Global 6000   | VistaJet Malta              | 05 VJT836        |
| A7-MBK     | A320-232X     | Qatar Executive             | f/v 05           |
| A6-SSV     | ERJ135BJ      | Empire Aviation             | f/v MJE722       |
| D-BLUE     | Falcon 2000LX | ACM Air Charter             | 06 BVR222        |
| D-CGRC     | Lj35A         | Jet Executive               | JEI333           |
| D-IVVV     | HA-420        | Level 8                     | f/v              |
| D-IWWW     | Ratheon 390   | Luxaviation Germany         | 05 LXG44W        |
| G-RNFR     | CL-605        | TAG Aviation (UK)           |                  |
| G-SCPJ     | BAe125-900XP  | Saxonair                    | SXN80K           |
| G-SHUI     | Ce680A        | Air Charter Scotland        | EDC321R          |
| M-NTOS     | Ce525C        | Selementos                  |                  |
| N732MA     | B737-81Q      | TUI Netherlands             | arr BSK591       |
| OE-IZS     | A320-214      | easyJet Europe              | f/v EZY4561/2    |
| OO-ACO     | Ce510         | Air Service Liège           | 05               |
| 05. 9H-OPE | Global 6000   | VistaJet Malta              | f/v 12 VJT778    |
| 9H-VCG     | CL-350        | VistaJet Malta              | 07 VJT448        |
| 9H-VFG     | CL-605        | VistaJet Malta              | 06 VJT545        |
| D-BAVG     | Ce750         | Baden Aircraft Ops          | 08 FBR400G       |
| D-CDAS     | EMB505        | DAS Private Jets            |                  |
| D-CKNA     | Ce525C        | Star Wings                  | 07 STQ444        |
| D-IADV     | Ce551         | MCH Holdings                |                  |
| D-IAKN     | Ce525A        | Star Wings                  | STQ111           |
| D-IVIP     | Beech B200    | Star Wings                  | STQ99A           |
| F-HBMR     | Ce550         | Valljet                     | arr VLJ489Z      |
| F-HCIC     | Ce525B        | Airairles                   | 06 EOL700        |
| G-CKMU     | B787-9        | Norwegian                   | NAX7700/1        |
| G-EZRY     | A320-214      | easyJet                     | f/v EZY6161/2    |
| G-GAAL     | Ce560XLS+     | Luxaviation UK              | LNX39R/59AL      |
| G-RNFR     | CL-605        | TAG Aviation (UK)           |                  |
| LX-SEH     | Ce560XLS      | Luxaviation                 | LXA5E            |
| N145MG     | G550          | Helios Aviation             | 07               |

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|           |              |                          |                   |           |               |                          |                 |
|-----------|--------------|--------------------------|-------------------|-----------|---------------|--------------------------|-----------------|
| N515TJ    | Beech 400A   | Blackburn Int'l          | 14                | D-BERT    | Falcon 2000LX | Bertelsmann              | 2x BFD09T/65H   |
| OY-GEF    | Beech B200GT | Lars Thrane              |                   | D-CNAC    | SA227DC       | Binair                   | BID7B/P         |
| OY-JJH    | Do328-310    | JoinJet                  | SUS890/EZE044P    | D-IMAX    | Ce525A        | Sylt Air                 | AWU909          |
| OY-JJH    | Do328-310    | JoinJet                  | 07 EZE045P/SUS890 | D-ISAR    | Raytheon 390  | Euroflug Frenzel         |                 |
| 06.CN-AMR | G550         | Escadre de Transport     | f/v FRV1315       | F-HBZA    | Ce550         | Valljet                  | VLJ87K          |
| CN-AMS    | G550         | Escadre de Transport     | FRV1325           | G-UZHG    | A320-251N     | easyJet                  | f/v EYZ2723/4   |
| 9H-AMY    | CL-850       | Air X Charter            | 07 AXY705/702     | LN-LNL    | B787-9        | Norwegian                | f/v NAX7700/1   |
| CS-TJI    | A321-251N    | TAP Air Portugal         | f/v TAP662/1      | LX-VMF    | Ce560XL       | Luxaviation              | 11 LXA15P       |
| D-CJET    | Ce525B       | Air Hamburg              | AHO587D           | N510MD    | Ce510         | Michel Delauzun          | 10              |
| D-ICBA    | Ce525A       | ProAir Aviation          |                   | N800HH    | G-IVSP        | Jet Edge                 | f/v EDG800      |
| D-INCS    | Ce525        | Jetkontor                | JKH321            | OK-SLX    | Ce560XL       | Silesia Air              | 10 SUA691/601   |
| EC-MVY    | B737-85P     | Air Europa               | f/v AEA1091/8     | OO-XLS    | Ce560XLS+     | Air Service Liège        |                 |
| G-YMKH    | ERJ135BJ     | TAG Aviation (UK)        | 07                | VP-BVG    | Global XRS    | MVA Aviation             | 10              |
| HB-FXC    | PC-12/47E    | TAG Aviation             |                   | YU-SCJ    | Ce525         | Prince Aviation          | 10 PNC9C/9CJ    |
| LN-SOV    | Ce680        | Sundt Air                | MDT11             | YU-SPB    | Ce560XLS      | Prince Aviation          | 10              |
| LX-DEA    | Ce560XLS     | Luxaviation              | 07 LXA24Y         | 10.B-6136 | A380-841      | China Southern           | CSN345/6        |
| OE-FLG    | Ce525        | Smartline                |                   | EC-HDS    | B757-256      | Privilege Style          | RAM684/669      |
| OE-IZD    | A320-214     | EasyJet Europe           | f/v EYZ2723/4     | F-HBTV    | Ce525         | Aston Jet                | ASJ981          |
| OK-MFT    | ATR72-212A   | CSA                      | f/v CSA616/7      | F-HIBF    | Ce510         | Aston Jet                | 11              |
| OO-JWB    | PC-12/47E    | Nextgen Partners         |                   | LX-PFF    | Ce525B        | Flying Group Luxemb.     | FYL10F/11F      |
| OO-SDV    | Beech B300   | Savencia Fromage & Dairy | f/v               | N468JB    | G200          |                          | f/v 12          |
| VP-BDD    | A330-343E    | Aeroflot                 | f/v AFL2550/1     | OE-FWF    | Ce510         | GlobeAir                 | GAC232Z/909W    |
| 07.D-CFHZ | EMB505       | DAS Private Jets         | 08 2x             | OE-FZE    | Ce510         | GlobeAir                 | 11 GAC055Y/179N |
| D-CKNA    | Ce525C       | Star Wings               | 08 STQ444         | OE-GPK    | Ce525B        | Salzburg Jet Aviation    | MOZ312          |
| EW-514PO  | ERJ195LR     | Belavia                  | f/v BRU867/8      | OK-SLX    | Ce560XL       | Silesia Air              | 11 SUA602/611   |
| G-YMKH    | ERJ135BJ     | TAG Aviation (UK)        | 08                | OO-XLS    | Ce560XLS+     | Air Service Liège        | 17              |
| HB-JRA    | CL-604       | Swiss Air Ambulance      | SAZ241/2          | SP-THE    | CeT206H       | Tubes Int'l              |                 |
| N145QS    | Global 6000  | Netjets                  |                   | 11.CS-DSD | Falcon 7X     | EJME Aircraft Mgmt       | arr JME321D     |
| OE-IZO    | A320-214     | easyJet (BER c/s)        | f/v EYZ2153/4     | D-CEEE    | Ce560XLS      | HTM Jet Service          | 12 HTM017       |
| OY-NCN    | Do328-310    | Sun-Air (BAW c/s)        | SUS832A/823B      | D-CHIP    | Ce525B        | Eisele Flugdienst        | EFD3P           |
| 08.A7-BEV | B777-3DZER   | Qatar Airways            | f/v QTR273/4      | D-COBI    | Ce560XLS      | HTM Jet Service          | 12 HTM019       |
| D-CHIP    | Ce525B       | Eisele Flugdienst        | EFD3P             | D-FSFS    | PA-46-500TP   | Schumacher Packaging     | 13              |
| D-CNAC    | SA227DC      | Binair                   | 09 BID7P/A        | EC-HDS    | B757-256      | Privilege Style          | RAM8684/685     |
| D-ICBA    | Ce525A       | ProAir Aviation          | 2x                | EC-JQE    | G200          | Executive Airlines       | 12              |
| EC-KOL    | Ce560XL      | Gestair                  | 09 GES121         | F-HSFJ    | Ce680A        | Aston Jet                | ASJ732          |
| F-HASJ    | Ce510        | Astonjet                 | ASJ699            | G-HCSA    | Ce525A        | Bookajet                 | 12 BOO819/756   |
| LX-VMF    | Ce560XL      | Luxaviation              | 09 LXA15P         | M-ILLA    | Beech 400XP   | Sunshine Aviation        | 12              |
| M-NTOS    | Ce525C       | Selementos               | 12                | N666CP    | PA-46-310P    |                          |                 |
| N144BS    | Falcon 900C  | Monte Carlo Associates   | dep               | N818HK    | G550          | TAG Aviation Asia        | 12              |
| N707FJ    | Falcon 900   | Exxaero                  | 13                | OK-SLX    | Ce560XL       | Silesia Air              | 12 SUA612/621   |
| OE-FPP    | Ce510        | GlobeAir                 | GAC249J/635Y      | 12.9H-GPS | Ce560XL       | Luxwing                  | LWG202/293      |
| OE-GCA    | Ce560XL      | Goldeck Flug             | 09 GDK08CA/09CA   | 9H-V CJ   | CL-350        | VistaJet Malta           | 14 VJT492       |
| OE-IZO    | A320-214     | easyJet (BER c/s)        | EZY2161/2         | D-AHOX    | ERJ135BJ      | Air Hamburg              | AHO813V/625F    |
| OH-TRG    | PC-12/47E    | Hendell Aviation         | f/v               | D-IBBS    | Ce525A        | German Private Jet Group |                 |
| OK-EMA    | Ce680        | Travel Service           | 09 TVS16J/17J     | D-ICBA    | Ce525A        | ProAir Aviation          |                 |
| OM-GLE    | Raytheon 390 | Opera Jet                | 09 ELJ104/5       | EC-HDS    | B757-256      | Privilege Style          | RAM686/671      |
| OO-JWB    | PC-12/47E    | Nextgen Partners         |                   | LY-SPA    | A320-232      | Small Planet             | 13 LLX9051/9642 |
| 09.4X-CPX | G-IVSP       | Arkia                    |                   | N171JC    | G-IVSP        | Global Air Charters      | 13 GJE76        |
| 9H-VCL    | CL-350       | VistaJet Malta           | VJT417            | OE-FHA    | Ce510         | GlobeAir                 | 13 GAC413M/302M |
| A6-FLH    | G450         | Falcon Aviation Services | f/v 10            | OE-FPP    | Ce510         | GlobeAir                 | 13 GAC909B/523B |
| D-AOLG    | Fokker 100   | Avanti Air               | ATV90G/401G       | OE-FZC    | Ce510         | GlobeAir                 | GAC277W/055Z    |



This Airbus A320 was delivered to Niki in 2013 as OE-LER. It was transferred to Air Berlin as D-ABNJ in November 2014 until the company went out of business in early 2018. easyJet Europe took delivery of the aircraft as OE-IZO in June 2018 but operated its first service on 3 July 2018 still in the colours of its previous operator. The aircraft was repainted in easyJet colours at East-Midlands from 9 till 16 July 2018. (Luton, 7 July 2018, Robert Camp)



Flybe DHC-8 Dash 8 G-JECP had a landing mishap on 23 February 2017 while operating a flight from Edinburgh to Amsterdam. After extensive repairs, as can be seen on the photo, the aircraft was towed to the apron at Schiphol-East. (Amsterdam - Schiphol, 4 July 2018, Johan Mulder)

|           |                |                          |                  |           |               |                          |                 |
|-----------|----------------|--------------------------|------------------|-----------|---------------|--------------------------|-----------------|
| OE-IXI    | CL-605         | Laudamotion Exec.        | 13 LDX44         | G-HCSA    | Ce525A        | Bookajet                 | 20 BOO755/829   |
| OE-LDN    | CL-650         | MJet                     | f/v 14 MJF8D     | G-HUBY    | ERJ135BJ      | London Executive Avn     | LNX29HY         |
| OK-UNI    | Ce680          | Travel Service           | TVS10J/66J       | HB-FWI    | PC-12/47E     | AF Assets                | f/v             |
| OO-FPE    | Ce525B         | Flying Group             | FYG31R           | M-ABCC    | Global 6000   | Airinc Direct            | 16              |
| SP-LNL    | ERJ195AR       | LOT                      | f/v 13 LOT269/70 | N142JS    | Falcon 2000LX | Davinci Jets             | 18              |
| TC-NBV    | A320-251N      | Pegasus Airlines         | f/v PGT1255/6    | N781AN    | B777-223ER    | American Airlines        | f/v AAL220/1    |
| 13.9H-BBJ | B737-7BC       | Privajet                 | PVJ155/133       | N900VE    | Falcon 900EX  | Chicago Jet Group        | f/v             |
| 9H-ILV    | CL-850         | VistaJet Malta           | 14 VJT624        | OE-GPS    | Ce550         | Tyrol Air Ambulance      | TYW847S/848S    |
| 9H-VCC    | CL-350         | VistaJet Malta           | 14 VJT425        | OO-JAA    | B737-8BK      | TUI Belgium              | f/v JAF729/229  |
| D-CASH    | EMB505         | Air Hamburg              | AHO465Y/654S     | OO-NHM    | AS365N-3      | NHV                      | NCG12           |
| D-CFHZ    | EMB505         | DAS Private Jets         | 14               | 16.CE03   | ERJ145LR      | 21sq                     | BAF614          |
| D-CHRB    | Ce525C         | Hahn Air                 | HHN20B           | D-890     | CH-47F        | 298sq                    | f/v Grizzly53   |
| D-CIRJ    | Do328-120      | Rhein-Neckar Air         | MHV751/351       | 9H-JPC    | ERJ135BJ      | Air X Charter            | 18 AXY1605/1810 |
| EC-HDS    | B757-256       | Privilege Style          | RAM686/671       | A6-FLH    | G450          | Falcon Aviation Services | 17              |
| F-GLTK    | Ce550          | Valljet                  | 14 VLJ523K       | B-5926    | A330-243      | China Eastern            | f/v CES771/2    |
| G-CIXV    | ERJ170LR       | Eastern Airways          | 19 EZE052P/048P  | C-GGPM    | G550          | Barrick Gold             | 17              |
| LX-VMF    | Ce560XL        | Luxaviation              | 14 LXA15P        | CS-PHL    | EMB505        | NetJets Europe           | f/v NJE913W/7RF |
| N53GX     | Global Express | York Aviation            |                  | D-CNAC    | SA227DC       | Binair                   | BID7P/A         |
| N77UF     | Global XRS     | Fertitta Entertainment   | 16               | D-CNAC    | SA227DC       | Binair                   | 26 BID7B/5P     |
| N96UA     | G550           | Signature Flight Support | 14               | D-CTWO    | Lj35A         | Air Alliance Express     | AYY108          |
| N109QS    | Global 5000    | Netjets                  | 14               | D-HTAR    | A109S         | Heli Transair            | f/v             |
| N275DJ    | G-IV           | Ragtime Investments      | 14               | D-IDAS    | EMB500        | DAS Private Jets         | 17              |
| N280C     | G280           | General Avileasing       |                  | D-IPVD    | Ce525A        | Transavia Flug           | 17              |
| N373RS    | Falcon 900LX   | Kalamazoo Group          | f/v 15           | EC-MVM    | A320-232      | Vueling                  | f/v VLG8366/7   |
| N775AN    | B777-223ER     | American Airlines        | f/v AAL220/1     | EI-FTH    | B737-8AS      | Ryanair                  | f/v RYR3104/5   |
| N904DS    | Global Express | Dan Snyder               | 15               | F-HREX    | BAe125-800XP  | Valljet                  | VLJ523E         |
| OE-FGC    | Ce525          | ABC Bedarfsflug          | f/v 15 FTY6      | LX-EAA    | Lj45          | Ducair                   | DUK8AMB         |
| OE-FHA    | Ce510          | GlobeAir                 | 15 GAC302N/357F  | LX-FPF    | Ce525B        | Flying Group Luxemb.     | FYL20F/29F      |
| OE-LYU    | A319-132       | Eurowings                | f/v EWG1834/5    | LY-SPI    | A320-214      | Small Planet             | LLX5072/9072    |
| OO-DFG    | Falcon 2000LX  | Luxaviation Belgium      |                  | N650XA    | G650ER        | ARAMCO                   | f/v 17          |
| YR-BGM    | B737-8H6       | Tarom                    | f/v ROT363/4     | N776RB    | G-V           | Jet Edge                 | 20 EDG76        |
| 14.D-AHOX | ERJ135BJ       | Air Hamburg              | 15 AHO952D/648W  | OE-IZV    | A320-214      | EasyJet Europe           | f/v EZY3003/4   |
| D-CDAS    | EMB505         | DAS Private Jets         | 15               | OO-JAA    | B737-8BK      | TUI Belgium              | JAF230/781      |
| D-IADV    | Ce551          | MCH Holdings             |                  | TC-OEB    | A321-231      | Onur Air                 | f/v OHY851/2    |
| EC-HDS    | B757-256       | Privilege Style          | RAM8684/685      | 17.9H-VCG | CL-350        | VistaJet Malta           | VJT448          |
| EC-MXJ    | A320-214       | Gowair (a/w)             | f/v RAM8686/0669 | 9H-ZAK    | B737-3Y0      | Oryx Jet                 | f/v CND211P/211 |
| EC-MXJ    | A320-214       | Gowair (a/w)             | RAM8668/0647     | A6-ETB    | B777-3FXER    | Ethihad Airways          | f/v ETD77/8     |
| EI-GEA    | CRJ900LR       | Scandinavian             | f/v SAS2551/552  | D-AROM    | ERJ135BJ      | DC Aviation              | 19 DCS801       |
| EI-LSY    | G550           | GainJet Ireland          | 15 GJ155         | D-BLUE    | Falcon 2000LX | ACM Air Charter          | BVR222          |
| F-GOFX    | Falcon 900B    | Dassault Aviation        | DSO14FX          | D-CAWM    | Ce560XLS+     | Aerowest                 |                 |
| HB-JCI    | CS300          | Swiss                    | f/v SWR734/5     | D-IDBA    | Raytheon 390  | Alpha Exec               | BFX813W         |
| HL7205    | B777-3B5ER     | Korean Air               | f/v KAL925/6     | EC-MNQ    | CRJ1000EE     | Air Nostrum              | f/v SAS1549/50  |
| LX-VMF    | Ce560XL        | Luxaviation              | 21 LXA15P        | HB-JTA    | Falcon 900EX  | Air Sarina               | 20              |
| N450FK    | G450           | Executive Jet Shares     | f/v 16           | M-IFFY    | Ce510         | Xead Aviation            | 18              |
| N511DN    | A350-941       | Delta Air Lines          | f/v DAL132/3     | N550WW    | G550          | Niagara Bottling         | 18              |
| N707FJ    | Falcon 900     | Exxaero                  | 15               | OO-XLS    | Ce560XLS+     | Air Service Liège        | 19              |
| OY-GEF    | Beech B200GT   | Lars Thrane              | 18               | ZS-GAO    | A320-231      | Corendon (a/w)           | f/v CAI9921/2   |
| YU-PMK    | Ce560XLS+      | Air Pink                 |                  | 18.A6-ETD | B777-3FXER    | Ethihad Airways          | f/v ETD77/8     |
| 15.9H-AMY | CL-850         | Air X Charter            | 16 AXY1522/1612  | D-CHRB    | Ce525C        | Hahn Air                 | HHN20B          |
| 9H-YOU    | CL-850         | Air X Charter            | 16 AXY1524/1610  | D-CHRE    | Ce680         | Hahn Air                 | HHN30D          |
| D-BEAR    | Ce750          | Air X Executive Jets     | AXG23            | D-CHRE    | Ce680         | Hahn Air                 | 19 HHN30D       |
| D-CDAS    | EMB505         | DAS Private Jets         | 16               | D-IEMO    | Raytheon 390  | Privateways              | PWY110J/744Y    |
| D-CIRJ    | Do328-120      | Rhein-Neckar Air         | MHV371/771       | G-YEOM    | PA-31-350     | Oxis Aviation            |                 |
| D-ICBA    | Ce525A         | ProAir Aviation          |                  | G-YMME    | B777-236ER    | British Airways          | div f/v BAW10   |
| D-IMAX    | Ce525A         | Sylt Air                 | AWU915           | I-NDDL    | B767-324ER    | Arkia                    | f/v AIZ511/2    |
| D-ISAR    | Raytheon 390   | Euroflug Frenzel         | 16               | LX-SEH    | Ce560XLS      | Luxaviation              | LXA5E           |
| EC-HDS    | B757-256       | Privilege Style          | RAM686/7         | LY-PGC    | B737-4S3      | GetJet (a/w)             | TAR880/1        |

|           |               |                               |                  |           |               |                       |                 |
|-----------|---------------|-------------------------------|------------------|-----------|---------------|-----------------------|-----------------|
| M-NTOS    | Ce525C        | Selementos                    | 19               | M-EVAN    | CL-300        | Marcus Evans          | 26              |
| N150WJ    | G-V           | Professional Flight Transport |                  | N713CK    | B747-4B5F     | Kalitta Air           | f/v 23 CKS205/6 |
| N651XA    | G650ER        | ARAMCO                        | f/v              | N902MY    | Global 5000   | MP Air                | 24              |
| OO-JCV    | PC-12/47E     | Nextgen Partners              |                  | OE-FLG    | Ce525         | Smartline             | 23              |
| TC-NBU    | A320-251N     | Pegasus Airlines              | f/v 19 PGT1255/6 | OK-VAN    | EMB500        | Aerotaxi              | ITE541          |
| 19.4X-ELB | B747-458      | EI AI                         | ELY337/8         | 23.9H-OWL | CL-605        | TAG Aviation Malta    | TEU1            |
| A6-EUQ    | A380-842      | Emirates                      | f/v UAE147/8     | 9H-YES    | B737-5Q8      | Air X Charter         | 24 AXY2310/2405 |
| F-HBZA    | Ce550         | Valljet                       | 30 VLJ888T       | D-CUBA    | Ce525B        | Atlas Air Service     | 24              |
| N162JC    | G-V           | Trans-Exec Air Service        | 21               | D-IWWW    | Ratheon 390   | Luxaviation Germany   | 24 LXG44W       |
| N926EC    | CL-605        | Sunset Aviation               | 20 TWY928        | G-EZRW    | A320-214      | easyJet               | f/v EZY1835/6   |
| OE-FUX    | Ce525A        | Bairline                      | 20               | LX-OLA    | ERJ135BJ      | Luxaviation           | 24 LXA8H        |
| PP-LEG    | ERJ135BJ      | Sumatera Participacoes        | 20               | LX-RSQ    | Lj45          | Lux. Air Ambulance    | DUK5AMB         |
| TC-CRB    | B737-8AL      | Pegasus Airlines              | div PGT6643/664D | N47TR     | G650          | Avwest                | f/v             |
| TC-KIP    | Ce560XLS+     | Kipas                         | 20               | N739E     | CL-300        | Eaton Leasing         | f/v 24          |
| TC-LOH    | A330-223      | Turkish Airlines              | f/v THY1957/8    | N888SF    | Ce680         | Steiner Film Aviation |                 |
| TF-CAT    | A321-211      | WOW air                       | div WOW110/464   | N977GS    | Falcon 7X     | Gilead Sciences       | 27 TWY977       |
| 20.9H-BBJ | B737-7BC      | Privajet                      | 21 PVJ133/154    | OE-IJX    | A320-214      | EasyJet Europe        | f/v EZY6921/2   |
| CS-TFR    | Lj45          | Omni Air                      | 21 OAV304P       | OK-PCC    | PC-12/47E     | T-air                 |                 |
| D-ADCP    | ERJ135BJ      | Baden Aircraft Ops            | 22 FBR435P       | OO-JWB    | PC-12/47E     | Nextgen Partners      |                 |
| D-AWIN    | ERJ135BJ      | Air Hamburg                   | f/v AHO396T/513J | OY-RIB    | P180          | Danish Crown          |                 |
| D-IPVD    | Ce525A        | Transavia Flug                |                  | PH-CKA    | B747-406ERF   | KLM                   | arr MPH9162     |
| EC-MMY    | B787-8        | Air Europa                    | f/v AEA1091/8    | 24.D-CEEE | Ce560XLS      | HTM Jet Service       | 25 HTM017       |
| EI-LSY    | G550          | Gain Jet Ireland              | GJI55            | D-CTWO    | Lj35A         | Air Alliance Express  | 25 AYY108       |
| F-GVZV    | ATR72-212A    | HOP!                          | f/v AFR1030/1557 | D-IADV    | Ce551         | MCH Holdings          |                 |
| F-HTVJ    | B737-8K2      | Transavia France              | f/v TVF4010/1    | F-HSFJ    | Ce680A        | Aston Jet             | 25 ASJ775       |
| G-CIYX    | ERJ145LU      | Eastern Airways               | f/v EZE802P      | I-CNDG    | Ce560XLS+     | Aliven                | 25 SSR242       |
| I-NDDL    | B767-324ER    | Arkia                         | 21 AIZ511/2      | M-AVIR    | Global 6000   | TAG Aviation (UK)     | 26              |
| M-CHEM    | Falcon 2000LX | Hampshire Aviation            | 21               | N181CL    | Global 6000   | Tavistock Aviation    | f/v             |
| M-OVIE    | G650          | Hampshire Aviation            | 21               | N449C     | A109S         | Fawkes                | f/v 25          |
| M-USIC    | G550          | Chem Aviation                 | 21               | N739MA    | B737-8Q8      | Transavia Airlines    | 25 TRA072/5723  |
| OE-FUX    | Ce525A        | Bairline                      | 22               | N753AN    | B777-223ER    | American Airlines     | f/v AAL220/1    |
| OE-FZC    | Ce510         | GlobeAir                      | GAC268Q/157R     | OE-IEN    | Falcon 2000EX | Global Jet Austria    | 26 GLJ93EN      |
| OK-VAN    | EMB500        | Aerotaxi                      | ITE541           | OY-RIB    | P180          | Danish Crown          |                 |
| VH-CCD    | Global XRS    | Crown Melbourne               | f/v 23           | 25.9H-JPC | ERJ135BJ      | Air X Charter         | AXY2513/4       |
| VQ-BPJ    | A330-343E     | Aeroflot                      | f/v AFL2550/1    | D-ISUN    | Ce525A        | Ohlair                | ECA5C/M         |
| YU-MPC    | Ce525         | MPC Holding                   |                  | D-IUVH    | Ce510         | Haacke LTIF           | 26              |
| 21.CE02   | ERJ135LR      | 21sq                          | BAF615           | F-HPUR    | BAe125-800XP  | Valljet               | f/v VLJ533M     |
| CS-TFO    | Lj40          | Omni Aviation                 | OAV303P/303      | G-DXTR    | Beech B200    | Synergy Aviation      | SYG387          |
| D-AWBB    | B737-7CN      | PrivatAir Germany             | f/v BAW2760/1    | M-MJLD    | Ce680A        | CCC Isle of Man       | f/v 26          |
| D-AWBB    | B737-7CN      | PrivatAir Germany             | BAW2764/5        | N284SE    | G280          | Sea-Invest            | f/v             |
| D-BUZZ    | Ce750         | Air X Executive Jets          | 23 AXG24         | TC-JII    | A340-313X     | Turkish Airlines      | THY1957/8       |
| D-IADV    | Ce551         | MCH Holdings                  | 24               | VP-BKZ    | A321-211      | Aeroflot              | f/v AFL2694/5   |
| EI-GDT    | B737-8AS      | Ryanair                       | f/v RYR3006/7    | 26.4X-ELD | B747-458      | EI AI                 | ELY337/8        |
| G-HCSA    | Ce525A        | Bookajet                      | 26 BOO829/830    | D-CAWB    | Ce680         | Aerowest              |                 |
| G-SUGR    | ERJ135BJ      | Air Charter Scotland          | EDC300           | D-CNAC    | SA227DC       | Binair                | arr BID5P       |
| N118AP    | PC-12/45      | Buckman Aviation              | f/v 02           | D-ISUN    | Ce525A        | Ohlair                | 27 ECA5A/C      |
| N783AN    | B777-223ER    | American Airlines             | f/v AAL220/1     | G-HCSA    | Ce525A        | Bookajet              | 27 BOO830/820   |
| OE-FBD    | Ce510         | GlobeAir                      | GAC617F/506G     | OO-JWB    | PC-12/47E     | Nextgen Partners      |                 |
| OE-FWF    | Ce510         | GlobeAir                      | GAC533J/422J     | PH-WTC    | Falcon 2000S  |                       | f/v             |
| S5-TSV    | Falcon 50EX   | Elitavia                      | 24 EAV52V        | SE-RFH    | Ce680         | EFS                   | EUW5082/9831    |
| SP-LVD    | B737-8        | LOT                           | f/v LOT265/6     | XA-FMX    | G280          | Aerocer               | 27              |
| SP-NEO    | PA-46-M350    | JB Investments                | f/v 16           | YL-CSJ    | A220-300      | Air Baltic            | f/v BTI617/8    |
| TC-NBT    | A320-251N     | Pegasus Airlines              | f/v PGT1639/1774 | YU-PZM    | Ce560XLS+     | Air Pink              |                 |
| 22.B-KVC  | G550          | Metrojet                      | f/v              | 27.D-890  | CH-47D        | 298sq                 | *Grizzly01      |
| D-IAAW    | EMB500        | Arcus Air                     | 23 AZE51UT/481F  | 9H-VJU    | Global 6000   | VistaJet Malta        | VJT974          |
| D-INCS    | Ce525         | Jetkontor                     | JKH321           | A6-EVA    | A380-842      | Emirates              | f/v UAE 149/50  |



Boeing 767 EI-GEP is the most recent wide body addition to the Blue Panorama Airlines fleet. The former American Airlines aircraft arrived at Shannon, Ireland on 28 April 2018 and was delivered to the airline in May 2018. (Rotterdam - The Hague, 8 July 2018, Mark Sluiters)



This former Aer Lingus Boeing 737 was delivered to Pulkovo in January 2006. As LY-AYZ it was acquired by Lithuania based AviaAM Leasing in 2013 and leased to SCAT. (Rotterdam - The Hague, 31 July 2018, Maarten Visser Jr)

|           |               |                        |                 |  |            |                  |                           |
|-----------|---------------|------------------------|-----------------|--|------------|------------------|---------------------------|
| C-FLMK    | Global XRS    | Skyservice Aviation    | f/v 30          | YU-BTN   | Ce525B     | Air Pink         | arr                       |
| EC-MYB    | A320-214      | Vueling                | f/v VLG1374/5   | On the 4th a Miami Air Boeing arrived from Gander for lease to TUI Netherlands with the TUI stickers already applied. The frequent visits of A6- and A7- bizjets from the 4th are related to a court case at the International Court of Justice in The Hague started by Qatar against United Arab Emirates. On the 6th two Moroccan visitors. The first one visited in the late afternoon while the second one visited just after midnight. Also on the 6th ATR equipment on the regular CSA service. On the 7th easyJet operated their Luton service with a former Air Berlin Airbus still in Air Berlin colours. The same aircraft visited again on the 8th and was ferried to East Midlands for a repaint on the 9th. While enroute from Bangkok to Heathrow a British Airways Boeing diverted to Schiphol on the 18th as the tower at Heathrow had been evacuated. The next day a Pegasus Boeing and a WOW Airbus both diverted while enroute to Brussels due to ATC problems. On the 20th, Air France used ATR equipment on their Rennes service. PrivatAir Germany has leased a Boeing 737 to British Airways, which visited Schiphol on the 21st. The first KLM 747 freighter returned from Xiamen after maintenance in the latest KLM colours on the 23rd. The Air X Boeing on the same day departed to Astana the next day with the AZ Alkmaar football team. The Rotterdam based Miami Air Boeing operating for Transavia, visited Schiphol on the 24th for a small maintenance check. A new Dutch bizjet arrived from Guernsey on the 26th. The aircraft continued to Le Bourget, where it seems to be based according to tracking websites. Although already built as CS300, Air Baltic YL-CSJ is the first aircraft officially delivered as A220 and on the 26th visible at Schiphol. The FlyBe on the 27th operated a local test flight after extensive repairs following its landing accident on 23 February 2017. The aircraft was already seen at Schiphol-East on the 22nd. The departure of the British Airways Airbus on the 27th was delayed due to crew hours. The previously mentioned FlyBe Dash-8 departed for Malta on the 28th. |            |                  |                           |
| G-GATH    | A320-232      | British Airways        | 28 BAW2762/90D  |  |            |                  |                           |
| G-JECP    | DHC-8-402     | FlyBe                  | tst BEE031Z     |  |            |                  |                           |
| LX-EAA    | Lj45          | Duclair                | DUK8AMB         |  |            |                  |                           |
| LY-MGC    | B737-4Y0      | GetJet (a/w)           | TAR880/1        |  |            |                  |                           |
| N445BJ    | G-IVSP        | Jet Edge               | f/v 28 EDG445   |  |            |                  |                           |
| N750AN    | B777-223ER    | American Airlines      | f/v AAL220/1    |  |            |                  |                           |
| N1886S    | Global 6000   | Standard Industries    | 28              |  |            |                  |                           |
| OE-FWF    | Ce510         | GlobeAir               | GAC422K/047Z    |  |            |                  |                           |
| OE-ICC    | A320-214      | EasyJet Europe         | f/v EZY1831/2   |  |            |                  |                           |
| OK-SEM    | Ce680         | Travel Service         | f/v TVS18J/20J  |  |            |                  |                           |
| OO-FPE    | Ce525B        | Flying Group           | FYG43R/41R      |  |            |                  |                           |
| OO-XLS    | Ce560XLS+     | Air Service Liège      | 29              |  |            |                  |                           |
| 28.4X-EMF | ERJ195LR      | Arkia                  | f/v AIZ1513/4   |  |            |                  |                           |
| D-CSUN    | Ce560XLS+     | Air Hamburg            | 29 AHO656Q      |  |            |                  |                           |
| G-JECP    | DHC-8-402Q    | FlyBe                  | dep BEE031Z     |  |            |                  |                           |
| N805TM    | G650ER        | Toyota Motor Sales USA | dep             |  |            |                  |                           |
| OE-FUX    | Ce525A        | Bairline               | 29              |  |            |                  |                           |
| OE-IEN    | Falcon 2000EX | Global Jet Austria     | 31 GLJ93EN      |  |            |                  |                           |
| VQ-BTU    | A321-211      | Aeroflot               | f/v AFL2694/5   |  |            |                  |                           |
| 29.9H-VCK | CL-350        | VistaJet Malta         | 30 VJT405       |  |            |                  |                           |
| 9H-VFF    | CL-605        | VistaJet Malta         | 30 VJT552       |  |            |                  |                           |
| D-CTIL    | Lj35A         | Air Alliance Express   | AYY111          |  |            |                  |                           |
| D-IADV    | Ce551         | MCH Holdings           |                 |  |            |                  |                           |
| D-ISAR    | Raytheon 390  | Euroflug Frenzel       |                 |  |            |                  |                           |
| F-HEND    | Ce510         | Astonjet               | 01 ASJ152       |  |            |                  |                           |
| LX-VMF    | Ce560XL       | Luxaviation            | arr LXA15P      |  |            |                  |                           |
| M-SETT    | Global 5000   | Lodging 2020           | 30              |  |            |                  |                           |
| N470QS    | G450          | NetJets                |                 |  |            |                  |                           |
| OE-FIT    | Ce510         | GlobeAir               | GAC765C/859J    |  |            |                  |                           |
| OE-FZB    | Ce510         | GlobeAir               | 30 GAC112G/765D |  |            |                  |                           |
| OK-JRT    | Ce680         | Travel Service         | 30 TVS69J/2J    |  |            |                  |                           |
| T7-APP    | Ce525A        | Artjet                 |                 |  |            |                  |                           |
| 30.9H-VCL | CL-350        | VistaJet Malta         | 31 VJT417       |  |            |                  |                           |
| C-FFBC    | CL-350        | Aviation CMP           | f/v 05          |  |            |                  |                           |
| D-IADV    | Ce551         | MCH Holdings           |                 |  |            |                  |                           |
| D-ISAR    | Raytheon 390  | Euroflug Frenzel       | 31              |  |            |                  |                           |
| EI-LSY    | G550          | Gain Jet Ireland       | 31 GJI55        |  |            |                  |                           |
| F-GZHZ    | B737-85P      | Transavia France       | f/v TVF4010/1   |  |            |                  |                           |
| LN-SOV    | Ce680         | Sundt Air              | MDT11           |  |            |                  |                           |
| LX-RSQ    | Lj45XR        | Luxemb. Air Ambulance  | DUK5AMB         |  |            |                  |                           |
| N707FJ    | Falcon 900    | Exxaero                | arr             |  |            |                  |                           |
| OO-ACO    | Ce510         | Air Service Liège      |                 |  |            |                  |                           |
| OO-JWB    | PC-12/47E     | Nextgen Partners       |                 |  |            |                  |                           |
| OY-CLY    | ATR72-212A    | Alsie Express          | 31 MMD6360      | 01.9H-AMY  | CL-850     | Air X Charter    | July 2018<br>AXY3010/0114 |
| 31.D-CDOC | Lj45          | Jetcall                | JCL2            | CS-DXN   | Ce560XLS   | NetJets Europe   | dep NJE177L               |
| D-CONE    | Lj35A         | Air Alliance Express   | 2x AYY105       | CS-LTI   | Ce680A     | NetJets Europe   | NJE6XK                    |
| D-FSTB    | TBM-850       | Brose Fahrzeugteile    |                 | D-CIRJ   | Do328-120  | Rhein-Neckar Air | MHV371/771                |
| G-EZGZ    | A320-214      | easyJet                | f/v EZY1831/2   | D-CRON   | Ce560XLS   | Silver Cloud Air | SCR762                    |
| LY-MGC    | B737-4Y0      | GetJet (a/w)           | TAR880/1        | G-ZNTJ   | Lj75       | Zenith Aviation  | BZE03B/A                  |
| M-INER    | Global 6000   | ICC Aviation           |                 | N651WE   | G650ER     | Eric L. Smidt    | dep                       |
| M-SPEK    | Beech 350     | Specsavers Aviation    | SSZ9A/B         | OO-TUP   | B737-85P   | TUI Belgium      | TFL187P/187               |
| N242CK    | CL-601-3R     | Kalitta Charters       | arr KSF10       | OO-TUP   | B737-85P   | TUI Belgium      | TFL188/188P               |
| N796AN    | B777-223ER    | American Airlines      | f/v AAL220/1    | OY-CLY   | ATR72-212A | Alsie Express    | MMD6038                   |

### Rotterdam - The Hague

|           |               |                                  |                 |           |               |                            |                  |
|-----------|---------------|----------------------------------|-----------------|-----------|---------------|----------------------------|------------------|
| OY-RUE    | MD-83         | Danish Air Transport             | DTR5732/0952    | 06.D-665  | CH-47D        | 298sq                      | Ghost04          |
| PH-CJM    | Ce680         | ASL                              | dep             | D-FBVB    | PC-12/47E     |                            | 07               |
| PH-CJM    | Ce680         | ASL                              | 04              | D-FKGI    | PC-12/47E     | Airgro                     |                  |
| PH-HRK    | P180          | JetNetherlands                   | 03              | D-IDBA    | Raytheon 390  | Alpha Exec                 | BFX813J          |
| SP-DLB    | ERJ135BJ      | Hyperion Aviation                | HYP020          | D-IMAX    | Ce525A        | Sylt Air                   | 07 AWU906/7      |
| 02.D-CAHO | Ce560XLS+     | Air Hamburg                      | 03 AHO398T/261S | EC-GXJ    | SA226TC       | Flightline                 | 08 FTL4451/0001A |
| HB-ALL    | ATR72-202(F)  | Zimex Aviation                   | IMX501/502F     | EI-GEP    | B767-323ER    | Blue Panorama              | f/v BPA8530/9531 |
| N1777M    | G650          | Blackrock Fin. Management        | JAS61           | G-ZNTJ    | Lj75          | Zenith Aviation            | 07 BZE03B/A      |
| N918CC    | G450          | Astor Street Asset Management    | dep             | M-PIRE    | P180          | Northside Aviation         | 09               |
| N960LS    | G-IV          | Kolob Canyons Air Services       | dep             | OK-TVT    | B737-86N      | Travel Service             | TVS4348/9        |
| OE-IEN    | Falcon 2000EX | Global Jet Austria               | GLJ93EN         | OO-SDV    | Beech 350i    | Savencia Fromage & Dairy   |                  |
| OO-AMR    | Ce525A        | Air Service Liège                | dep             | PH-ECE    | EC120B        | Heli Holland Holding       |                  |
| PH-ATT    | H269C         | Heli Holland Holding             |                 | PH-FIS    | Ce525         | JetNetherlands             | dep              |
| PH-TCN    | P180          | JetNetherlands                   | dep             | PH-HRK    | P180          | JetNetherlands             |                  |
| PH-TCN    | P180          | JetNetherlands                   | 05              | PH-RIS    | EC130B4       | KNSF Flight Services       |                  |
| PH-ULP    | EC135T2       | ANWB - MAA                       | Lifelinor01     | PH-TSN    | DA42          | Twin Star Netherlands      | 22               |
| PH-VBG    | Falcon 2000EX | JetNetherlands                   | 03              | PH-TXA    | Ce510         | Airfield Holding           | 07               |
| 03.V-11   | G-IV          | 334sq                            | NAF11           | SP-SPE    | ATR72-202     | SprintAir                  | 08 SRN271/87     |
| V-11      | G-IV          | 334sq                            | NAF11           | T7-OCH    | CL-605        | Overstar                   | 08               |
| ZE700     | BAe146 CC2    | 32(TR)sq                         | KRF69           | 07.9H-VFH | CL-605        | VistaJet Malta             | 09 VJT534        |
| D-CJET    | Ce525B        | Air Hamburg                      | AHO115Y         | D-BLUE    | Falcon 2000LX | ACM Air Charter            | BVR222           |
| D-COLO    | Ce525C        | Jetkontor                        | JKH32C          | D-IDBA    | Raytheon 390  | Alpha Exec                 | BFX813J          |
| G-GAAL    | Ce560XLS+     | Luxaviation UK                   | LNx50AL         | F-HRGD    | ERJ145LU      | Regourd Aviation           | 09 AEH151F/151   |
| PH-ULP    | EC135T2       | ANWB - MAA                       | tdy 20          | G-FSEU    | Beech 200     | 2 Excel Aviation           | 08 BRO32         |
| 04.CS-DRU | BAe125-800XPi | NetJets Europe                   | 05 NJE499W      | N960LS    | G-IV          | Kolob Canyons Air Services | 12               |
| D-CAAA    | Ce560XLS+     | DC Aviation                      | DCS701          | PH-MAA    | EC135T2+      | ANWB - MAA                 | 2x Lifelinor01   |
| G-RNFR    | CL-605        | TAG Aviation (UK)                | 05              | 08.9H-BBJ | B737-7BC      | Privajet                   | 09 PVJ153        |
| G-ZNTJ    | Lj75          | Zenith Aviation                  | 05 BZE03B/A     | D-FLAT    | PC-12/47E     | FlexFly                    | 09               |
| LX-RSQ    | Lj45XR        | European Air Ambulance           | DUK5AMB         | D-IAIB    | Ce525         | AIB Assets                 | 09               |
| M-JJTL    | PC-12/47E     | JJTL Partners                    | XCH318G         | EC-GPS    | SA227AC       | Flightline                 | 09 FTL001/8811   |
| N1SG      | Falcon 2000   | Harvey Gulf International Marine | 05              | EC-GXJ    | SA226TC       | Flightline                 | 09 FTL2A/1A      |
| N123AB    | Global XRS    | ASL                              | 07              | EI-GEP    | B767-323ER    | Blue Panorama              | BPA9530/8531     |
| N177BB    | G-IV          | Journey Aviation                 | 10              | PH-HRK    | P180          | JetNetherlands             | 09               |
| N551VL    | G550          | Indorama Ventures                | 05              | PH-TCN    | P180          | JetNetherlands             | 11               |
| PH-HRK    | P180          | JetNetherlands                   |                 | SP-SPE    | ATR72-202     | SprintAir                  | 09 SRN288/9      |
| PH-TSN    | DA42          | Twin Star Netherlands            | 05 2x           | 09.9H-VCL | CL-350        | VistaJet Malta             | VJT417/05        |
| 05.9H-VFH | CL-605        | VistaJet Malta                   | 06 VTJ534       | CS-DXV    | Ce560XLS      | NetJets Europe             | NJE8HL/070U      |
| 9H-VJS    | Global 6000   | VistaJet Malta                   | VJT929          | EC-GXJ    | SA226TC       | Flightline                 | 10 FTL2A/001     |
| 9H-VJZ    | Global 6000   | VistaJet Malta                   | 06 VJT981       | F-HBZA    | Ce550         | Valljet                    | 10 VLJ487K       |
| CS-PHE    | EMB505        | NetJets Europe                   | NJE8HL          | G-ZNTJ    | Lj75          | Zenith Aviation            | 10 BZE03A        |
| D-CWWP    | EMB505        | Windrose Air                     | QGA865K         | N492CA    | Ce680+        | Gary Jet Center            | 11               |
| D-IBBS    | Ce525A        | German Private Jet Group         |                 | N720ML    | Falcon 900EX  | Northwestern Mutual        | 11               |
| M-PIRE    | P180          | Northside Aviation               | dep             | N800HH    | G-IVSP        | Jet Edge                   | 10 EDG800        |
| N1SG      | Falcon 2000   | Harvey Gulf International Marine | 07              | OE-FMU    | Ce525         | SalzburgJetAviation        | 2x MOZ40         |
| N732MA    | B737-81Q      | TUI Netherlands                  | f/v TFL188/7    | OO-HEY    | R44           | Heli & Co                  | 10 2x            |
| N785QS    | G550          | Eric L. Smidt                    | dep             | PH-CJM    | Ce680         | ASL                        | 10               |
| OE-FIT    | Ce510         | GlobeAir                         | GAC007S/996T    | PH-DAM    | P180          | JetNetherlands             | 14               |
| OO-DFG    | Falcon 2000LX | Luxaviation Belgium              |                 | PH-HRK    | P180          | JetNetherlands             | 12               |
| PH-TCN    | P180          | JetNetherlands                   | 08              | PH-MAA    | EC135T2+      | ANWB - MAA                 | Lifelinor01      |
| UR-CPB    | MD-83         | Anda Air                         | BAY303/4        | T7-CMD    | Falcon 900EX  | Luxaviation San Marino     | 10 LSM69         |



Airbus ACJ318 M-HHHH was delivered all white in April 2012 to a company called Kutus. Mid 2018 the aircraft received a paint job. Judging by flight trackers the Airbus is based at Vnukovo Airport. (Rotterdam - The Hague, 15 July 2018, Mathiëu Vos)

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|            |             |                               |     |              |            |                |                                |                 |
|------------|-------------|-------------------------------|-----|--------------|------------|----------------|--------------------------------|-----------------|
| 10. 9H-JPC | ERJ135BJ    | Air X Charter                 | 12  | AXY1006/213  | PH-PNX     | PA-31-350      | Aerodata International Surveys | dep             |
| CS-LTG     | Ce680A      | NetJets Europe                |     | NJE860F      | PH-RIS     | EC130B4        | KNSF Flight Services           |                 |
| M-PIRE     | P180        | Northside Aviation            | 19  |              | TC-CRB     | B737-8AL       | Pegasus Airlines               | PGT6821/2       |
| N1DC       | G-V         | Blue Star Management Services | 11  |              | TC-CRB     | B737-8AL       | Pegasus Airlines               | PGT6823/4       |
| N225EE     | G-V         | KaiserAir                     |     | KA180        | YR-CBK     | B737-382       | Cobrex Trans                   | 17 CBX301P/921  |
| OO-OCA     | Beech 350   | Air Service Liège             |     |              | 17. 9H-AMF | Global 6000    | Hyperion Aviation              | HYP001          |
| OY-EVO     | Ce550 Bravo | Flexflight                    |     | FXT210       | 9H-ELI     | Ce750          | Luxwing                        | 19 LWG592/01    |
| PH-MRO     | Ce421C      | Q-Flights                     |     |              | CS-DXK     | Ce560XLS       | NetJets Europe                 | NJE59J/2ZP      |
| PH-WRW     | EC120B      | Heli Holland Holding          |     |              | D-BLUE     | Falcon 2000LX  | ACM Air Charter                | BVR222          |
| 11. CS-TFO | Lj40        | Omni Aviation                 | 12  | OAV303/303P  | D-CEFO     | Ce560XLS+      | Air Hamburg                    | 18 AHO746R      |
| G-TAYC     | G450        | Executive Jet Charter         | 12  |              | PH-MAA     | EC135T2+       | ANWB - MAA                     | Lifeline01      |
| N918CC     | G450        | Astor Street Asset Management |     |              | T7-JAT     | Global XRS     | Empire Aviation Group          | 18              |
| OO-GLM     | Ce680       | Air Service Liège             |     |              | 18. ZE700  | BAe146 CC2     | 32(TR)sq                       | RRR1641         |
| PH-TCN     | P180        | JetNetherlands                | 12  |              | CS-DXF     | Ce560XLS       | NetJets Europe                 | 19 NJE173W/312Y |
| YR-CBK     | B737-382    | Cobrex Trans                  |     | CBX901       | D-CAAY     | Lj55ER         | Air Alliance                   | AYY109          |
| YR-CBK     | B737-382    | Cobrex Trans                  | 12  | CBX902/5     | D-CSUN     | C-560L         | Air Hamburg                    | AHO239C         |
| 12. NH-219 | NH90-TTH    | 1.HK/HekoP                    |     | FNF288       | G-OOEG     | CL-350         | Catreus                        | VCG1EG/2EG      |
| NH-221     | NH90-TTH    | 1.HK/HekoP                    |     | FNF289       | M-ODEM     | CL-605         | DMC Business Invest            |                 |
| CS-CHC     | CL-350      | NetJets Europe                | 13  | NJE502M/7UH  | N650HF     | G650           | Central Management Services    |                 |
| D-CSCB     | Ce560XLS+   | Silver Cloud Air              |     | SCR187       | OE-FRS     | Ce525A         | SalzburgJetAviation            | MOZ29           |
| D-IMAX     | Ce525A      | Sylt Air                      | 13  | AWU912/3     | OE-FRS     | Ce525A         | SalzburgJetAviation            | MOZ29           |
| D-IPCG     | Ce425       | PGS Holding                   |     |              | OE-GFC     | IAI1125SPX     | Tyrol Air Ambulance            | TYW682/6        |
| G-AZYU     | PA-23-250   | Cromati & Samuelson           | 15  |              | OE-GHB     | Ce560XLS       | Bertsch-Aviation               |                 |
| OO-ACC     | Ce525A      | Air Service Liège             |     |              | PH-MAA     | EC135T2+       | ANWB - MAA                     | Lifeline01      |
| PH-ECE     | EC120B      | Heli Holland Holding          |     |              | PH-TCN     | P180           | JetNetherlands                 | 24              |
| PH-FIS     | Ce525       | JetNetherlands                | 16  |              | SX-DGL     | A320-232       | Aegean Airlines                | AEE4910/1       |
| PH-HRK     | P180        | JetNetherlands                | 15  |              | TC-CPY     | B737-8H6       | Pegasus Airlines               | PGT6915/6       |
| PH-RIS     | EC130B4     | KNSF Flight Services          |     |              | YR-CBK     | B737-382       | Cobrex Trans                   | CBX922/01       |
| SE-RIL     | Ce560XLS    | H-Bird Aviation               | 14  | ETI812Z/4Z   | YR-CBK     | B737-382       | Cobrex Trans                   | 19 CBX902/5     |
| UR-CNE     | B737-505    | Bravo Air                     |     | BAY303/4     | 19. CS-DXF | Ce560XLS       | NetJets Europe                 | 20 NJE312Y/6LC  |
| YR-CBK     | B737-382    | Cobrex Trans                  |     | CBX910/22    | CS-DXP     | Ce560XLS       | NetJets Europe                 | NJE8YR          |
| 13. EC-GXJ | SA226TC     | Flightline                    | 16  | FTL4471/411A | D-CFLY     | Ce560XLS+      | Air Hamburg                    | AHO663M         |
| G-CFGB     | Ce680       | Keepflying                    |     |              | EC-MLV     | Ce680          | Gestair                        | 20 GES241       |
| N64NY      | Global XRS  | ACJ Jet                       | 14  |              | M-PIRE     | P180           | Northside Aviation             | arr             |
| N651XA     | G650ER      | Saudi Aramco Aviation         |     |              | OE-FWF     | Ce510          | GlobeAir                       | 20 GAC520M/419M |
| OK-TVS     | B737-86N    | Travel Service                |     | TVS4348/9    | OK-IMO     | Beech 400A     | Queen Air                      | 20 AQS908/6     |
| PH-FJK     | Ce525B      | JetNetherlands                |     |              | OO-PRM     | Ce510          | Air Service Liege              | 20              |
| PH-TCN     | P180        | JetNetherlands                | 15  |              | PH-ECD     | EC120B         | Heli Holland Holding           |                 |
| YR-CBK     | B737-382    | Cobrex Trans                  |     | CBX923/09    | P180       | B737-548       | JetNetherlands                 | 20              |
| YR-CBK     | B737-382    | Cobrex Trans                  |     | CBX910/05    | PH-HRK     | B737-382       | Bravo Air                      | BAY303/4        |
| YR-CBK     | B737-382    | Cobrex Trans                  | 14  | CBX7990/090P | UR-CGY     | B737-382       | Cobrex Trans                   | 20 CBX908/9     |
| 14. 9H-VFE | CL-605      | VistaJet Malta                |     | VJT565       | YR-CBK     | BAe125-800XPi  | Shurts Management Company      | 24              |
| A6-SSV     | ERJ135BJ    | Empire Aviation Group         |     | MJE725       | 20. N741VR | B737-86N       | Travel Service                 | TVS4348/9       |
| CS-DXJ     | Ce560XLS    | NetJets Europe                | 15  | NJE435M/2QX  | OK-TVS     | P180           | JetNetherlands                 |                 |
| CS-PHF     | EMB505      | NetJets Europe                |     | NJE5BF       | PH-HRK     | Ce680          | Exxaero                        | XRO176          |
| G-SOVB     | Lj45        | Zenith Aviation               |     | BZE02A/B     | PH-JTJ     | EC135T2+       | ANWB - MAA                     | 30              |
| PH-JTJ     | Ce680       | Exxaero                       |     | XRO175/384   | PH-MAA     | B737-382       | Cobrex Trans                   | 21 CBX910/090P  |
| 15. 5N-FGT | B737-7N6    | Government of Nigeria         | 18  | NGR001       | YR-CBK     | Fokker 100     | Carpatair                      | KRP4901/2901    |
| D-AVA      | SA227AC     | Binair                        | 17  | BID6D/4P     | YR-FKB     | SA226TC        | Flightline                     | 24 FTL451A/421A |
| D-CSCB     | Ce560XLS+   | Silver Cloud Air              |     | SCR18        | 21. EC-GXJ | CRJ1000        | Luxavia Regional               | ANE2530/1       |
| D-IGWT     | Ce525A      | Sylt Air                      | 16  | AWU715/6     | EC-MLO     | Ce560XLS       | Iberavia UK                    | LNx26AX         |
| G-IASB     | Beech 250   | IAS Medical                   |     | MDI01        | G-LEAX     | Ce680          | ASL                            | 28              |
| G-OIMF     | Falcon 7X   | TAG Aviation (UK)             |     |              | PH-CJM     | EC120B         | Heli Holland Holding           |                 |
| G-SOVB     | Lj45        | Zenith Aviation               |     | BZE02A/B     | PH-HRK     | P180           | JetNetherlands                 |                 |
| M-HHHH     | A318-112X   | Kutus                         |     |              | 22. 9H-ELI | Ce750          | Luxwing                        | 24 LWG901/91    |
| OY-RUF     | ATR42-500   | Danish Air Transport          | 17  | DTR6145/6    | CS-DXZ     | Ce560XLS       | NetJets Europe                 | NJE5QJ          |
| PH-HRK     | P180        | JetNetherlands                | 18  |              | D-CONU     | Lj55           | FAI Rent-A-Jet                 | IFA2507/8       |
| PH-TCN     | P180        | JetNetherlands                | 17  |              | PH-HRK     | P180           | JetNetherlands                 | 24              |
| YV3016     | ERJ190BJ    | Government of Venezuela       | 19  |              | PH-LAU     | Falcon 900EX   | Exxaero                        | XRO252/387      |
| 16. NH-219 | NH90-TTH    | 1.HK/HekoP                    |     | FNF288/9     | PH-LBR     | Ce208B         | Skydive Rotterdam              | dep             |
| NH-221     | NH90-TTH    | 1.HK/HekoP                    |     | FNF289/8     | YR-FKA     | Fokker 100     | Carpatair                      | KRP2902/4909    |
| 258        | Lj45        | MATS                          |     | IRL258       | 23. CS-DXS | Ce560XLS       | NetJets Europe                 | NJE5CM/345D     |
| 9H-ILV     | CL-850      | VistaJet Malta                | 17  | VJT624       | CS-LTA     | Ce680A         | NetJets Europe                 | 24 NJE692B/936K |
| D-IGWT     | Ce525A      | Sylt Air                      |     | AWU716       | D-CCAA     | Lj35A          | DRF                            | AMB333          |
| G-SOVB     | Lj45        | Zenith Aviation               |     | BZE02A/B     | LY-VEQ     | A320-232       | Avion Express (a/w)            | SXS5341         |
| G-ZNTJ     | Lj75        | Zenith Aviation               | 17  | BZE03A       | LZ-FBE     | A320-214       | Bulgaria Air                   | LZB5919/20      |
| LZ-FBE     | A320-214    | Bulgaria Air                  |     | LZB5919/20   | M-DEND     | CL-300         | Sfera Jet                      | 25              |
| N1RP       | G550        | Penske                        |     |              | N400VR     | Raytheon 4000  | Flight Plan                    | DCM6077         |
| N624BR     | Global XRS  | ACJ Jet                       | 29  |              | PH-FIS     | Ce525          | JetNetherlands                 | arr             |
| N651XA     | G650ER      | Saudi Aramco Aviation         | 18  |              | SE-RIL     | Ce560XLS       | H-Bird Aviation                | 24 ETI823Z/4Z   |
| N80DX      | CL-604      | Dreamline Aviation            | 17  |              | 24. D-ASTZ | A319-112       | Germania                       | GMI1030/0104    |
| N926EC     | CL-605      | JCPE                          | 19  | TWY928       | D-CCAA     | Lj35A          | DRF                            | 25 AMB338       |
| OO-AIS     | Beech 200T  | Aerodata Aerial Surveys       |     |              | I-NDOF     | B767-306ER     | NEOS                           | NOS249/849      |
| PH-CJM     | Ce680       | ASL                           | 18  |              | PH-ECD     | EC120B         | Heli Holland Holding           |                 |
| PH-HGT     | Ce680+      | JetNetherlands                | arr |              | PH-HRK     | P180           | JetNetherlands                 | 29              |
| PH-JTJ     | Ce680       | Exxaero                       | 17  | XRO175/306   | PH-PKF     | Falcon 2000LXS | JetNetherlands                 | dep             |

|           |               |                         |               |           |               |                       |              |
|-----------|---------------|-------------------------|---------------|-----------|---------------|-----------------------|--------------|
| PH-TTR    | H135          | ANWB – MAA              | Lifeline01    | OE-FLG    | Ce525         | Smartline             |              |
| YR-CBK    | B737-382      | Cobrex Trans            | CBX900P/921   | OO-HEY    | R44           | Heli & Co             | 012x         |
| 25.CS-DXK | Ce560XLS      | NetJets Europe          | NJE3ZP        | OO-VMF    | Ce560XLS+     | Air Service Liège     |              |
| D-CEEE    | Ce560XLS      | HTM Jet Service         | HTM017        | PH-ECD    | EC120B        | Heli Holland Holding  |              |
| G-CIFE    | Beech B200    | 2 Excel Aviation        | BRO30         | PH-HRK    | P180          | JetNetherlands        | 31           |
| N576MA    | TBM-850       | HTG Trading             | 2x            | PH-ULP    | EC135T2       | ANWB - MAA            | arr          |
| OE-FAT    | Ce510         | GlobeAir                | GAC419N/223E  | T7-JAT    | Global XRS    | Empire Aviation Group | 31           |
| OE-HCA    | CL-300        | Avag Air                |               | 31.G-OOEG | CL-350        | Catreus               |              |
| OO-CFW    | PC-12/47E     | Nextgen Partners        | 2             | LY-AYZ    | B737-548      | SCAT                  | 03 VSV5037/8 |
| PH-TCN    | P180          | JetNetherlands          | 30            | OO-VMF    | Ce560XLS+     | Air Service Liège     |              |
| PH-TTR    | H135          | ANWB – MAA              | 2x Lifeline01 | PH-ECD    | EC120B        | Heli Holland Holding  |              |
| SP-SOB    | TBM-910       |                         | 27            | PH-TCN    | P180          | JetNetherlands        | arr          |
| SX-DGX    | A320-232      | Aegean Airlines         | AEE4910/1     | PH-VBG    | Falcon 2000EX | JetNetherlands        | arr          |
| TC-SNR    | B737-8HC      | SunExpress              | SXS5341       |           |               |                       |              |
| YR-CBK    | B737-382      | Cobrex Trans            | 26 CBX922     |           |               |                       |              |
| 26.L-10   | PC-7          | 131EMVOsq               | *             |           |               |                       |              |
| D-ASTZ    | A319-112      | Germania                | GMI103/1031   |           |               |                       |              |
| G-SIRS    | Ce560XL       | Luxaviation UK          | LNK76RS/-     |           |               |                       |              |
| UR-CGY    | B737-548      | Bravo Air               | BAY303/4      |           |               |                       |              |
| 27.9H-YES | B737-5Q8      | Air X Charter           | AXY2717/03    |           |               |                       |              |
| CS-LTA    | Ce680A        | NetJets Europe          | NJE929P/149A  |           |               |                       |              |
| D-CFHZ    | EMB505        | DAS Privat Jets         |               |           |               |                       |              |
| OE-IEN    | Falcon 2000EX | Global Jet Austria      | GLJ93EN       |           |               |                       |              |
| OK-TVT    | B737-86N      | Travel Service          | TVS4348/9     |           |               |                       |              |
| OY-JME    | P2006T        | Greybird Aviation Group | GAG237A       |           |               |                       |              |
| PH-RIS    | EC130B4       | KNSF Flight Services    |               |           |               |                       |              |
| SE-RIL    | Ce560XLS      | H-Bird Aviation         | 28 ETI827Z/8Z |           |               |                       |              |
| TC-MLA    | EMB550        | Bonair                  |               |           |               |                       |              |
| YR-CBK    | B737-382      | Cobrex Trans            | CBX923/090P   |           |               |                       |              |
| 28.CS-PHB | EMB505        | NetJets Europe          | NJE9QL/449G   |           |               |                       |              |
| CS-PHE    | EMB505        | NetJets Europe          | NJE029W/144D  |           |               |                       |              |
| D-CSUN    | C-560L        | Air Hamburg             | AHO239C/656Q  |           |               |                       |              |
| D-CXLS    | Ce560XLS+     | Air Hamburg             | AHO746R/415C  |           |               |                       |              |
| G-ZNTJ    | Lj75          | Zenith Aviation         | 29 BZE03A     |           |               |                       |              |
| HB-IAU    | Falcon 2000EX | CAT Aviation            | CAZ502/3      |           |               |                       |              |
| HB-LUF    | PA-31T        | Markus Leibundgut       | 29            |           |               |                       |              |
| HB-XQE    | A109E         | Swift Copters           | 29 2x         |           |               |                       |              |
| OO-PRM    | Ce510         | Air Service Liège       | 01            |           |               |                       |              |
| 29.OE-GKW | G100          | Tyrol Air Ambulance     | TYW757/8      |           |               |                       |              |
| OO-GMJ    | Beech 350     | Air Service Liège       | 04            |           |               |                       |              |
| PH-HRK    | P180          | JetNetherlands          | 30            |           |               |                       |              |
| PH-WRW    | EC120B        | Heli Holland Holding    |               |           |               |                       |              |
| TC-CPI    | B737-82R      | Pegasus Airlines        | PGT6821/2     |           |               |                       |              |
| TC-CPY    | B737-8H6      | Pegasus Airlines        | PGT6823/4     |           |               |                       |              |
| 30.C-GOHB | Falcon 2000LX | Aviation Starlink       | 31            |           |               |                       |              |
| CS-DXN    | Ce560XLS      | NetJets Europe          | arr NJE100D   |           |               |                       |              |
| G-RHMS    | ERJ135BJ      | TAG Aviation (UK)       | 31            |           |               |                       |              |
| LY-NVZ    | A320-214      | SunExpress              | f/v SXS5340/1 |           |               |                       |              |
| LZ-FBC    | A320-214      | Bulgaria Air            | LZB5919/20    |           |               |                       |              |

The TUI Belgium Boeing on the 1st was a replacement for based aircraft OO-TUX, which was at Brussels for maintenance. Also on the 1st the return flight from a charter to Vilnius operated by Danish Air Transport. Alsie Express arrived on a Formula 1 charter from Graz via Zeltweg. On the 5th Anda Air operated the Erbil service. Blue Panorama operated a cruise passenger-charter on the 6th and on the 8th. Touroperator FlyOrange started flights to Morocco on the 11th using Cobrex Trans via charterbroker Aviatrade. Unfortunately these flights only lasted until the 27th due to FlyOrange filing for bankruptcy the previous day. Two NH90s on their way to Fairford made a fuel stop on the 12th. From the 12th Bravo Air operated the weekly Erbil flights. On the 15th Nigerian President Muhammadu Buhari arrived for a visit to the International Criminal Court (ICC) in The Hague. On that same day a Venezuelan Embraer arrived. On the 16th the previously mentioned NH90s made a fuel stop on their way back home from the RIAT. Carpatair operated a charter to Istanbul on the 20th. The passengers returned on the 22nd. NEOS operated a cruise passenger-charter from Greenland on the 24. Austrian football club Sportklub Sturm Graz arrived that same day for their game against Ajax Amsterdam. The team used Germania for their transportation. On the 26th the team returned home. While their European tour already ended, the Air X Charter Boeing on the 27th is still adorned with the Guns N' Roses stickers. The aircraft had arrived on a charter from Strigino, Russia in the early morning. FC Kairat arrived from Aktobe, Kazakhstan on the 31st for their football game against AZ Alkmaar. The team used SCAT Airlines as transportation.

Credits: Rotterdam Airport, Airnieuws, Rotterdam The Hague Airport Aviation (Facebook group), Scramble MB.



Stephex Stables, part of the Stephex Group, was founded in Londerzeel, Belgium by Stephan Conter in 1986. In recent years the helicopters used by the company were most notable. In April 2018 Sovereign OO-SXX appeared on the Belgian register. The Cessna 680 is being operated by Air Service Liège for Stephex Stables. (Maastricht - Aachen, 18 July 2018, Jesse Vervoort)

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Canadair F-ZBMG was delivered to the Sécurité Civile in May 2007. From the fifteen aircraft delivered there are currently twelve still in service. The CL-415 made a fuel stop during its flight from France to Sweden. (Groningen - Eelde, 19 July 2018, Jaap Niemeijer)

## Maastricht - Aachen

| July 2018  |               |                          |                       |
|------------|---------------|--------------------------|-----------------------|
| 01. CS-CHC | CL-350        | NetJets Europe           | NJE836Y/7UH           |
| LX-EVM     | Falcon 2000LX | Global Jet Luxembourg    | SVW29VM               |
| 02. EC-LPP | Ce501         | One Airways              | OEW711/2              |
| HA-TAD     | Saab 340A(F)  | Fleet Air International  | FRF200/1              |
| I-EDLO     | BAe125-750    | Alba Servizi             |                       |
| OE-GLL     | Ce550 Bravo   | Jetfly Airline           |                       |
| SU-TCF     | A320-232      | Almasria Universal (a/w) | LMU1310/1             |
| 03. D-CHMD | EMB505        | Herrenknecht             |                       |
| OO-GLM     | Ce680         | Air Service Liège        | dep                   |
| UR-CGV     | An-12BK       | Ukraine Air Alliance     | 04 UKL4046/0          |
| 04. 4X-CUZ | BAe125-800XP  | Arrow Aviation           |                       |
| D-CAAA     | Ce560XLS+     | DC Aviation              | DCS701                |
| D-IDAZ     | Ce525         | Donau Air Service        |                       |
| D-ISAR     | Raytheon 390  | Euroflug Frenzel         | 05                    |
| HB-LRV     | PA-31T        | Air-connect              | 05                    |
| N402KZ     | B747-481F     | Kalitta Air              | THY6515               |
| 05. LX-ICL | B747-467F     | Cargolux                 | UAE9962               |
| OO-ACO     | Ce510         | Air Service Liège        | 06                    |
| OO-GLM     | Ce680         | Air Service Liège        | 08                    |
| UR-CNT     | An-12BK       | Cargo Air Chartering     | UKL4046/65            |
| 06. D-AVVG | A320-214      | Airbus Industrie         | 12 AIB390B/C          |
| D-CASH     | EMB505        | Air Hamburg              | AHO394G               |
| HB-JLG     | CL-350        | TAG Aviation             | FPG288                |
| N402KZ     | B747-481F     | Kalitta Air              | THY6493               |
| OO-ACO     | Ce510         | Air Service Liège        | 07                    |
| SU-TCE     | A320-232      | Almasria Universal       | LMU5312/3             |
| UR-CQD     | An-26B        | Vulkan Air               | VKA157/102            |
| 07. D-FKGI | PC-12/47E     | Aerogro                  |                       |
| LN-WFS     | DHC-8-402     | Widerøe                  | arr WIF9069           |
| LX-LAR     | Lj45          | Luxembourg Air Ambul.    | DUK3AMB               |
| LX-TCV     | B747-4R7F     | Cargolux Italia          | CLX885                |
| PH-DWS     | ERJ135LR      | Air Charters Europe      | 12 JNL174/040         |
| TC-ACM     | B747-428ERF   | Saudia                   | SVA915/6              |
| UR-CGV     | An-12BK       | Ukraine Air All.         | 08 UKL4046/5031       |
| UR-CQE     | An-26B        | Vulkan Air               | VKA142/3              |
| 08. N341AP | Falcon 2000EX | Southern Air Systems     | dep                   |
| OO-GLM     | Ce680         | Air Service Liège        | 11                    |
| OY-RAB     | Falcon 7X     | Air Alsie                | MMD6487               |
| PH-MDG     | Ce680+        | JetNetherlands           |                       |
| 09. OE-FLG | Ce525         | Smartline                | 11                    |
| SU-TCE     | A320-232      | Almasria Universal       | LMU1310/1             |
| 10. D-BLUE | Falcon 2000LX | ACM Air Charter          | BVR222                |
| D-ISAR     | Raytheon 390  | Euroflug Frenzel         | 11                    |
| LX-GCL     | B747-467F     | Cargolux                 | UAE9988               |
| OK-MAR     | Ce525A        | Aeropartner              | DFC224K               |
| UR-CGV     | An-12BK       | Ukraine Air Alliance     | UKL5032/3             |
| 11. CS-DXY | Ce560XLS      | NetJets Europe           | 12 NJE2VY             |
| D-IMPO     | Beech C90B    | Porta Flug               |                       |
| G-RMMA     | Falcon 900EX  | TAG Aviation (UK)        |                       |
| LZ-BHG     | A320-232      | BH Air                   | BGH2351/2             |
|            |               |                          | N403KZ                |
|            |               |                          | UR-CQD                |
|            |               |                          | 12. D-CLBM            |
|            |               |                          | EMB505                |
|            |               |                          | D-CTTT                |
|            |               |                          | Ce560XLS              |
|            |               |                          | HTM Jet Service       |
|            |               |                          | HTM023                |
|            |               |                          | D-IBJJ                |
|            |               |                          | Ce525A                |
|            |               |                          | Air Hamburg           |
|            |               |                          | AHO578E/456K          |
|            |               |                          | D-ISAR                |
|            |               |                          | Raytheon 390          |
|            |               |                          | Euroflug Frenzel      |
|            |               |                          | B747-412(F)           |
|            |               |                          | Aerotrans Cargo       |
|            |               |                          | 13 ATG4480/1          |
|            |               |                          | G-RMMA                |
|            |               |                          | Falcon 900EX          |
|            |               |                          | TAG Aviation (UK)     |
|            |               |                          | Ce560XLS+             |
|            |               |                          | Sardinian Sky Service |
|            |               |                          | 15 SSR240             |
|            |               |                          | LX-GCL                |
|            |               |                          | B747-467F             |
|            |               |                          | Cargolux              |
|            |               |                          | UAE9962               |
|            |               |                          | N818HK                |
|            |               |                          | G550                  |
|            |               |                          | Journey Aviation      |
|            |               |                          | 14                    |
|            |               |                          | OE-FMU                |
|            |               |                          | Ce525                 |
|            |               |                          | Salzburg Jet Aviation |
|            |               |                          | MOZ40                 |
|            |               |                          | OK-PTT                |
|            |               |                          | PC-12/47E             |
|            |               |                          | Air Bohemia           |
|            |               |                          |                       |
|            |               |                          | OO-GMJ                |
|            |               |                          | Beech 350             |
|            |               |                          | Air Service Liège     |
|            |               |                          | 17 2x                 |
|            |               |                          | PH-MDG                |
|            |               |                          | Ce680+                |
|            |               |                          | JetNetherlands        |
|            |               |                          | Ce510                 |
|            |               |                          | JetNetherlands        |
|            |               |                          | PH-TXA                |
|            |               |                          | B747-481F             |
|            |               |                          | Kalitta Air           |
|            |               |                          | THY6493               |
|            |               |                          | 13. N403KZ            |
|            |               |                          | A320-232              |
|            |               |                          | Almasria Universal    |
|            |               |                          | LMU5312/3             |
|            |               |                          | SU-TCE                |
|            |               |                          | A320-232              |
|            |               |                          | Silver Cloud Air      |
|            |               |                          | SCR378                |
|            |               |                          | 14. D-CSCA            |
|            |               |                          | Ce525B                |
|            |               |                          | Sylt Air              |
|            |               |                          | AWU914                |
|            |               |                          | D-IMAX                |
|            |               |                          | Ce525A                |
|            |               |                          | Sylt Air              |
|            |               |                          | AWU914                |
|            |               |                          | G-SIRS                |
|            |               |                          | Ce560XL               |
|            |               |                          | Luxaviation UK        |
|            |               |                          | LNx65RS               |
|            |               |                          | PH-JTJ                |
|            |               |                          | Ce680                 |
|            |               |                          | Exxaero               |
|            |               |                          | XRO384                |
|            |               |                          | TC-ACF                |
|            |               |                          | B747-481(F)           |
|            |               |                          | Saudia                |
|            |               |                          | SVA915/6              |
|            |               |                          | 15. CS-DXG            |
|            |               |                          | Ce560XLS              |
|            |               |                          | NetJets Europe        |
|            |               |                          | NJE132N/768E          |
|            |               |                          | EMB500                |
|            |               |                          | Arcus Executive       |
|            |               |                          | 16 AZE911C/626D       |
|            |               |                          | F-HFCS                |
|            |               |                          | BAe125-900XP          |
|            |               |                          | Valljet               |
|            |               |                          | 16 VLJ520S            |
|            |               |                          | OK-PTT                |
|            |               |                          | PC-12/47E             |
|            |               |                          | Air Bohemia           |
|            |               |                          | ERJ135LR              |
|            |               |                          | Air Charters Europe   |
|            |               |                          | 22 JNL455/094         |
|            |               |                          | PH-DWS                |
|            |               |                          | CL-850                |
|            |               |                          | Air X Charter         |
|            |               |                          | 18 AXG11              |
|            |               |                          | 16. D-AJOY            |
|            |               |                          | D-HTAR                |
|            |               |                          | A109S                 |
|            |               |                          | Heli Transair         |
|            |               |                          | P68C                  |
|            |               |                          | Swiss Flight Services |
|            |               |                          | 17 SFS60              |
|            |               |                          | HB-LUZ                |
|            |               |                          | A330-203              |
|            |               |                          | Almasria Universal    |
|            |               |                          | LMU1310/1             |
|            |               |                          | SU-TCH                |
|            |               |                          | BAe125-800XPi         |
|            |               |                          | NetJets Europe        |
|            |               |                          | NJE569N/849H          |
|            |               |                          | 17. CS-DRY            |
|            |               |                          | NetJets Europe        |
|            |               |                          | 18 NJE087Y/5CM        |
|            |               |                          | CS-DXS                |
|            |               |                          | Ce560XLS              |
|            |               |                          | NetJets Europe        |
|            |               |                          | 18 NJE087Y/5CM        |
|            |               |                          | D-CAPB                |
|            |               |                          | Ce560 Encore+         |
|            |               |                          | Aerowest              |
|            |               |                          | Liebherr              |
|            |               |                          | 18 LHB3               |
|            |               |                          | D-CLAV                |
|            |               |                          | EMB505                |
|            |               |                          | Liebherr              |
|            |               |                          | 18 LHB3               |
|            |               |                          | D-IAWG                |
|            |               |                          | Ce425                 |
|            |               |                          | Aerowest              |
|            |               |                          | D-IRUN                |
|            |               |                          | Ce510                 |
|            |               |                          | Luxaviation Germany   |
|            |               |                          | 18 LXG51N             |
|            |               |                          | LX-GCL                |
|            |               |                          | B747-467F             |
|            |               |                          | Cargolux              |
|            |               |                          | UAE9988               |
|            |               |                          | 18. CS-DRW            |
|            |               |                          | BAe125-800XPi         |
|            |               |                          | NetJets Europe        |
|            |               |                          | NJE9UD/859Q           |
|            |               |                          | CS-PHK                |
|            |               |                          | NetJets Europe        |
|            |               |                          | NJE582H/2CP           |
|            |               |                          | D-CHIP                |
|            |               |                          | Ce525B                |
|            |               |                          | E-Aviation            |
|            |               |                          | EFD3P                 |
|            |               |                          | D-CHLR                |
|            |               |                          | EMB505                |
|            |               |                          | Atlas Air Service     |
|            |               |                          | ATL9K                 |
|            |               |                          | EC-MFS                |
|            |               |                          | B737-4Y0              |
|            |               |                          | AlbaStar              |
|            |               |                          | CND516/5              |
|            |               |                          | LN-WFP                |
|            |               |                          | DHC-8-402             |
|            |               |                          | Widerøe               |
|            |               |                          | dep WIF9052           |
|            |               |                          | LZ-BHH                |
|            |               |                          | A320-232              |
|            |               |                          | BH Air                |
|            |               |                          | BGH2351/2             |
|            |               |                          | N345KC                |
|            |               |                          | G550                  |
|            |               |                          | Alchibalink           |
|            |               |                          | 22                    |
|            |               |                          | OE-FBD                |
|            |               |                          | Ce510                 |
|            |               |                          | GlobeAir              |
|            |               |                          | GAC746C/713T          |
|            |               |                          | OO-GMJ                |
|            |               |                          | Beech 350             |
|            |               |                          | Air Service Liège     |
|            |               |                          | 20                    |
|            |               |                          | OO-SXX                |
|            |               |                          | Air Service Liège     |
|            |               |                          | Cargo Air Chartering  |
|            |               |                          | UKL5015/6             |
|            |               |                          | UR-CNT                |
|            |               |                          | An-12BK               |
|            |               |                          | Cargo Air Chartering  |
|            |               |                          | UKL5015/6             |
|            |               |                          | 19. D-CHLR            |
|            |               |                          | EMB505                |
|            |               |                          | Atlas Air Service     |
|            |               |                          | 20 ATL9K              |
|            |               |                          | D-CUUU                |
|            |               |                          | Ce560XLS+             |
|            |               |                          | DC Aviation           |
|            |               |                          | DCS711/344            |

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|-------------|--------------|-----------------------------|-----------------|
| G-CGEI      | Ce550 Bravo  | Executive Aviation Services | JTR1            |
| LX-GCL      | B747-467F    | Cargolux                    | UAE9962         |
| LX-LGN      | DHC-8-402    | Luxair                      | div LGL4886     |
| N215RE      | Falcon 2000  | Compton Kincaid             | 22              |
| N22UB       | Ce525C       | Flightpartner               | 20              |
| N403KZ      | B747-481F    | Kalitta Air                 | THY6515         |
| OE-FBD      | Ce510        | GlobeAir                    | 20 GAC052L/941L |
| VP-BCR      | B747-4H6F    | Silk Way West               | AZG7978/9       |
| 20.D-BANN   | CL-300       | SAP Systeme                 |                 |
| D-IAAW      | EMB500       | Arcus Executive             | 21 AZE51WU/2WU  |
| D-IUVH      | Ce510        | Haacke LTIF                 |                 |
| G-CGEI      | Ce550 Bravo  | Executive Aviation Services | JTR1            |
| N22UB       | Ce525C       | Flightpartner               |                 |
| N701CK      | B747-4B5F    | Kalitta Air                 | THY6493         |
| OE-FPK      | Ce525A       | Salzburg Jet Aviation       | 22 MOZ437       |
| OK-CTP      | PC-12/47E    | OK Aviation Wings           | 22 NTF486       |
| OK-PVG      | PC-12/47E    | Gumárny Zubří               |                 |
| OY-EKC      | Falcon 7X    | Air Alsie                   | MMD11           |
| SU-TCE      | A320-232     | Almasria Universal          | LMU5312/3       |
| 21.CS-CHD   | CL-350       | NetJets Europe              | NJE8ZS/792L     |
| N260AM      | Ce525        | Bay Air                     | 2x              |
| N999YY      | G650ER       | Solairus Aviation           | 22 TWY501       |
| OK-DSJ      | Ce525        | DSA                         | 22              |
| OY-EKC      | Falcon 7X    | Air Alsie                   | 22 MMD11        |
| TC-ACF      | B747-481(F)  | Saudia                      | SVA915/6        |
| 22.9H-ILA   | CL-850       | VistaJet Malta              | VJT600          |
| CS-DRZ      | BAe125-800Xi | NetJets Europe              | NJE006C/541K    |
| D-BANN      | CL-300       | SAP Systeme                 |                 |
| D-ISUN      | Ce525A       | Ohlair Charterflug          | ECA5C           |
| G-CGEI      | Ce550 Bravo  | Executive Aviation Services | JTR1            |
| N194ER      | Ce510        | Blue Sky Aviation           | N194ER/N194ER   |
| N215RE      | Falcon 2000  | Compton Kincaid             |                 |
| OE-GTI      | Ce525C       | Porsche Air Service         |                 |
| OK-DSJ      | Ce525        | DSA                         |                 |
| OO-GLM      | Ce680        | Air Service Liège           | 25              |
| SE-RHJ      | Ce560XL      | Jivair                      | JIV9            |
| 23.D-CHRE   | Ce680        | Hahn Air                    | HHN909          |
| 24.G-CGEI   | Ce550 Bravo  | Executive Aviation Services | JTR1            |
| LX-GCL      | B747-467F    | Cargolux                    | 25 UAE9988      |
| 25.LZ-BHG   | A320-232     | BH Air                      | BGH2351/2       |
| N402KZ      | B747-481F    | Kalitta Air                 | THY6515         |
| PH-TXA      | Ce510        | JetNetherlands              | 26              |
| 26.4K-SW008 | B747-4R7F    | Silk Way West Airlines      | AZG7978/9       |
| 9H-VJG      | Global 6000  | VistaJet Malta              | 27 VJT796       |
| D-AERO      | ERJ135BJ     | Air Hamburg                 | 27 AHO938B      |
| OO-GMJ      | Beech 350    | Air Service Liège           | 27              |
| 27.95-00123 | UC-35A1      | 1-214th AVN                 | Duke77          |
| LX-GCL      | B747-467F    | Cargolux                    | UAE9962         |
| N402KZ      | B747-481F    | Kalitta Air                 | THY6493         |

|           |             |                               |              |
|-----------|-------------|-------------------------------|--------------|
| SU-TCE    | A320-232    | Almasria Universal            | LMU5312/3    |
| 28.TC-ACF | B747-481(F) | Saudia                        | SVA915/6     |
| 29.CS-PHI | EMB505      | NetJets Europe                | NJE162F/203K |
| 30.OY-YCE | ATR72-212A  | Nordic Aviation Capital (a/w) | arr          |
| 31.G-GILB | Ce510       | Catreus                       | VCG1LB/2LB   |
| LX-ICL    | B747-467F   | Cargolux                      | UAE9988      |

Almasria is operating flights on behalf of Corendon this month. The Airbus on the 6th arrived for painting and departed in easyJet colours. It was delivered as G-EZGZ a few days after it returned to Hamburg. On the 30th an ATR arrived for painting.

Credits: SG Maastricht / Threshold, Flymst.nl forum.

## Groningen - Eelde

|           |              |                              |             |
|-----------|--------------|------------------------------|-------------|
|           |              |                              | July 2018   |
| 01.D-CAGA | EMB505       | Luxaviation Germany          |             |
| D-CEIS    | Ce680        | E-Aviation                   |             |
| D-HANI    | Bell 407GX   | Heliteam                     | tdy dep     |
| EC-MSS    | Ce560XLS+    | Gestair                      | GES321/2    |
| G-FRAU    | Falcon 20C   | Cobham                       |             |
| G-KRBN    | EMB505       | Catreus                      | dep VCG1BN  |
| G-PAOL    | Ce525B       | Blu Halkin                   | dep BHK28   |
| G-RVRE    | P68          | Ravenair                     |             |
| I-AVND    | Lj45         | Avionord                     | VND - /3244 |
| I-FDED    | Beech 400A   | Slam Lavori Aerei            | dep SLJ501  |
| LX-SEH    | Ce560XLS     | Luxaviation                  | dep         |
| M-ARTY    | PC-12/47E    | Crestron (UK)                |             |
| OE-IOY    | CL-604       | DBT Transportes Aereos       | dep         |
| PH-KGJ    | EC120B       | HeliFlight                   |             |
| 02.9H-VFC | CL-605       | VistaJet                     | VJT585      |
| YU-MTU    | Ce525        | Infinity Aviation            | 03          |
| 03.D-IVIP | Beech B200   | Star Wings Dortmund          | 2x STQ99A   |
| G-RVRE    | P68          | Ravenair                     |             |
| HB-JGD    | Falcon 2000S | MSC Aviation                 |             |
| PH-LAB    | Ce550        | NLR - TU Delft               |             |
| YU-MTU    | Ce525        | Infinity Aviation            | 05          |
| 04.D-IPCH | Ce525A       | Jetkontor                    |             |
| 06.G-RSXP | Ce560XLS+    | Catreus                      | dep         |
| OE-IKT    | ERJ135BJ     | International Jet Management | arr         |
| 07.PH-TXA | Ce510        | JetNetherlands               | 10          |
| 09.OE-FMU | Ce525        | White Sparrow                | MOZ40       |
| PH-CYP    | PC-12/47E    | SMT Shipping                 |             |
| 10.PH-TXA | Ce510        | JetNetherlands               | 12          |
| 11.PH-CJX | Beech G58    | Verwelius                    | f/v         |
| 13.SE-CFP | DC-3C        | Flygande Veteraner           |             |
| 14.PH-AKE | A330-300     | KLM                          | *KLM9865    |
| 15.N305KN | G650ER       | AFO                          |             |



The Fire Boss is an Air Tractor AT-802F equipped with amphibious floats. EC-MML was one of two aircraft stopping for fuel on their way to Sweden, in relation to the forest fires. Judging by the large sticker, this is one of six water bombers operated by Avialsa as subcontractor of the Portuguese company Agro-Montiar. (Groningen - Eelde, 25 July 2018, Hendrik Cazemier)

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G-CGWB was registered to CHC Scotia on 24 April 2008 and had been operating on behalf of HM Coast Guard Rescue. The helicopter operated its last day of search and rescue operations from Portland (UK) on 2 July 2017. The AW139 was flown to Den Helder for heavy maintenance before its journey to APAC, as part of the Royal Australian Air Force (RAAF) contract starting in Q3 of 2018. It was caught on camera shortly after it returned from a local test flight after spending 220 days in the hangar. (Den Helder, 2 July 2018, Hans Cornelissen)

|            |             |                        |                |            |             |                             |     |
|------------|-------------|------------------------|----------------|------------|-------------|-----------------------------|-----|
| 16. B-KVC  | G550        | Metrojet               | 22             | PH-HGT     | Ce680+      | JetNetherlands              | 07  |
| N707SN     | SF50        | Vision Jet             | 27             | PH-WIK     | AS350B3     | HeliAir                     |     |
| 17. PH-TCN | P180        | JetNetherlands         |                | 06. N607LM | Eclipse 500 | SAS – Ing. Gerritse Holding | arr |
| 19. J-017  | F-16AM      | 322sq                  | *Polly04       | PH-FVD     | R44         | Rotarywings                 |     |
| J-879      | F-16AM      | 322sq                  | *Polly01       | 07. HB-LUN | P68C        | Swiss Flight Services       | 08  |
| F-ZBFJ/98  | Beech B200  | Sécurité Civile        | Bengal98       | PH-HGT     | Ce680+      | JetNetherlands              | 10  |
| F-ZBFY/35  | CL-415      | Sécurité Civile        | Pelican35      | 09. G-UILT | CeT303      | David Lambert Tucker        |     |
| F-ZBMG/48  | CL-415      | Sécurité Civile        | Pelican48      | N195JR     | Beech 95    | Buddy Management            | dep |
| 20. F-HGIO | Ce510       | Astonjet               |                | 10. PH-HGT | Ce680+      | JetNetherlands              | 13  |
| LN-LOL     | Ce208B      | TerraTec               |                | 11. N2648X | Ce501       | T.S. Aviation               | 12  |
| PH-MDG     | Ce680+      | ASL                    |                | 14. PH-PXC | EC135P2+    | Nationale Politie           |     |
| 21. PH-MDG | Ce680+      | ASL                    | 24             | PH-UDB     | DA62        |                             | f/v |
| 22. N188J  | Global 5000 | Exec. Jet Management   | arr EJM188     | 15. G-OAFF | Ce208       | FSSD                        |     |
| 23. N1753S | GA-8        | FSA Aviation           |                | PH-ATT     | H269C       | Heli Holland Holland        |     |
| 24. LN-WDI | DHC-8-402   | Widerøe                | arr WIF7018    | 18. N195JR | Beech 95    | Buddy Management            |     |
| 25. L-10   | PC-7        | 131EMVOsq              |                | PH-EQU     | EC155B1     | Heli Holland Offshore       |     |
| EC-MLL/4   | AT-802A     | Agro-Montiar / Avialsa |                | 19. N2648X | Ce501       | T.S. Aviation               |     |
| EC-MRA     | AT-802A     | Agro-Montiar / Avialsa |                | PH-ECE     | EC120B      | Heli Holland Holding        |     |
| F-ZBFJ/98  | Beech B200  | Sécurité Civile        | Bengal98       | 21. OK-KLM | PA-46-350T  | Blue Sky Service            | 23  |
| F-ZBFY/35  | CL-415      | Sécurité Civile        | Pelican35      | 23. PH-RBC | EC120B      | HeliAir                     |     |
| F-ZBMG/48  | CL-415      | Sécurité Civile        | Pelican48      | PH-RBC     | EC120B      | HeliAir                     |     |
| N111DV     | PA-46-350P  |                        | 2x *           | PH-SVZ     | Ce550       | Slagboom & Peeters          | dep |
| N1753S     | GA-8        | FSA Aviation           |                | 25. D-FIPS | PC-6/B2-H4  | KIAS Airlines               | arr |
| OY-RUE     | DC-9-83     | Danish Air Transport   | DTR5922/0972   | 28. PH-ATT | H269C       | Heli Holland Holland        |     |
| 26. HB-FVZ | PC-12/45    | Happy Lines            | 27             | PH-HCD     | Cabri G2    | HeliCentre                  |     |
| OY-RUE     | DC-9-83     | Danish Air Transp.     | 27 DTR953/5923 |            |             |                             |     |
| 28. OY-RUE | DC-9-83     | Danish Air Transport   |                |            |             |                             |     |
| 31. G-LFBD | Ce525A      | Centreline             | CLF905         |            |             |                             |     |
| M-FALZ     | Falcon 7X   | Pacelli Beteiligungs   |                |            |             |                             |     |

Credit: Teuge Airport.

### Eindhoven

|                 |              |                        |                |  |  |                 | July 2018 |
|-----------------|--------------|------------------------|----------------|--|--|-----------------|-----------|
| 01. CS-PHB      | EMB505       | NetJets Europe         | NJE960R/728Q   |  |  |                 |           |
| OO-GEE          | PC-12/47E    | Blue Sky Aviation      |                |  |  | dep             |           |
| OO-GEE          | PC-12/47E    | Blue Sky Aviation      |                |  |  |                 |           |
| OO-PKX          | Ce750        | Air Service Liège      |                |  |  | 04              |           |
| OO-XLS          | Ce560XLS+    | Air Service Liège      |                |  |  |                 |           |
| PH-CJM          | Ce680        | ASL                    |                |  |  |                 |           |
| PH-CJM          | Ce680        | ASL                    |                |  |  |                 |           |
| PH-FJK          | Ce525B       | JetNetherlands         |                |  |  | 06              |           |
| 02. 2x          | CH-47D       | 298sq                  |                |  |  | *               |           |
| Q-01            | AH-64DN      | 301sq                  |                |  |  | dep GLV-V       |           |
| D-CAUW          | Ce560 Encore | Stuttgarter Flugdienst | FFD421         |  |  |                 |           |
| G-OCJZ          | Ce525A       | Centreline             | CLF351         |  |  |                 |           |
| HA-LTC          | A321-231     | Wizz Air               | f/v WZZ597/463 |  |  |                 |           |
| HA-LTE          | A321-231     | Wizz Air               | f/v WZZ2271/2  |  |  |                 |           |
| PH-HWM          | CL-605       | ASL                    |                |  |  | dep             |           |
| 03. J-367       | F-16AM       | 322sq                  |                |  |  | *NAF322         |           |
| E.22-01/409-30  | Beech C90    | 409 Esc                | 04 AME0316     |  |  |                 |           |
| D-ISAR          | Raytheon 390 | Euroflugg Frenzel      |                |  |  |                 |           |
| G-GAAL          | Ce560XLS+    | Luxaviation UK         | LNx50AL        |  |  |                 |           |
| G-OCJZ          | Ce525A       | Centreline             | CLF351         |  |  |                 |           |
| N707FJ          | Falcon 900   | Exxaero                |                |  |  |                 |           |
| OO-XLS          | Ce560XLS+    | Air Service Liège      |                |  |  |                 |           |
| 04. D-890       | CH-47F       | 298sq                  |                |  |  | *Corona1, GLV-V |           |
| TR.20-01/403-11 | Ce560        | 403 Esc                | AME0317        |  |  |                 |           |
| G-OCJZ          | Ce525A       | Centreline             | CLF351         |  |  |                 |           |

The Dutch TT Assen took place from 27 till 30 June 2018. Most related bizjet traffic took place on the 1st. The Flying Veterans DC 3 'Daisy' encountered engine problems on the 13th during a short break to refuel in Groningen. The DC-3 was headed to England to visit Flying Legends at Duxford and Royal International Air Tattoo at Fairford. At engine start-up after refueling it turned out that the left engine had no oil pressure. After reviewing the situation it has been decided to carry out a motor change. The Sécurité Civile aircraft on the 19th were on their way to Sweden. They returned home on the 25th. The DC-9 on the 25th operated a flights for the I, CULTURE Orchestra. The Spanish registered Air Tractors on the same day made a fuel stop on their way to Sweden.

Credit: GEAS.

### Deventer-Teuge

|            |          |                              |     |  |  |  | June 2018 |
|------------|----------|------------------------------|-----|--|--|--|-----------|
| 02. PH-KMR | GA-8     | Stichting Ambulancevliegtuig |     |  |  |  |           |
| 03. PH-DTS | DA42     | Wings over Holland           |     |  |  |  |           |
| 04. G-GBSL | Beech 76 | Martin Howard Cundey         |     |  |  |  |           |
| PH-HCF     | Cabri G2 | HeliCentre                   |     |  |  |  |           |
| PH-HGT     | Ce680+   | JetNetherlands               | dep |  |  |  |           |
| 05. EC-EQK | Ce310R   | SPASA                        | dep |  |  |  |           |
| LN-OCS     | R44      | Solum, Carlsen & Barlund     |     |  |  |  |           |

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|     |             |               |                         |                   |               |               |                      |                   |
|-----|-------------|---------------|-------------------------|-------------------|---------------|---------------|----------------------|-------------------|
|     | OO-PRM      | Ce510         | Air Service Liège       | dep               | OO-XLS        | Ce560XLS+     | Air Service Liège    |                   |
|     | OO-PRM      | Ce510         | Air Service Liège       |                   | PH-TXA        | Ce510         | JetNetherlands       |                   |
|     | PH-CTH      | Falcon 2000LX | Flying Group            | FYG42V/3V         | 18.E42/705-TA | Alpha Jet E   | EAC00.314            | 19 FAF6441        |
| 05. | D-ISUN      | Ce525A        | Excellent Air           | ECA5C             | E148/705-LU   | Alpha Jet E   | EAC00.314            | 19 FAF6442        |
|     | OY-JPJ      | Ce650         | North Flying            | NFA014            | E166/705-RW   | Alpha Jet E   | EAC00.314            | 19 FAF6443        |
|     | PH-HWM      | CL-605        | ASL                     | 06                | D-106         | CH-47D        | 298sq                | *Grizzly43, GLV-V |
| 06. | F-HOIE      | P180          | Investairs              |                   | D-661         | CH-47D        | 298sq                | *Grizzly44, GLV-V |
|     | LX-ONE      | Lj45          | Luxemb. Air Rescue      | DUK1AMB           | CS-DXF        | Ce560XLS      | NetJets Europe       | NJE563K/173W      |
|     | OO-XLS      | Ce560XLS+     | Air Service Liège       | 07                | G-POWC        | B737-33A(QC)  | Titan Airways        | AWC117Y/171       |
|     | OY-JPJ      | Ce650         | North Flying            | 07 NFA015/016P    | G-POWC        | B737-33A(QC)  | Titan Airways        | AWC173/952Y       |
|     | PH-FJK      | Ce525B        | JetNetherlands          | 08                | N341AP        | Falcon 2000EX | Southern Air Systems | arr               |
| 07. | D-CFGG      | Lj36A         | Quick Air Jetcharter    | QAJ897            | PH-TXA        | Ce510         | JetNetherlands       |                   |
|     | D-CTWO      | Lj35A         | Air Alliance Express    | AYY108            | UR-CKL        | An-12BK       | Cavok Air            | CVK7021/2         |
|     | OE-FOA      | Ce525A        | Avcon Jet               | AOJ46D            | 19.D-890      | CH-47F        | 298sq                | *GLV-V            |
|     | OY-JSW      | Ce525A        | Lean Management         | FXT407            | OO-MAX        | B737-8        | TUI Belgium          | div JAF4864/0916  |
| 08. | OE-FOA      | Ce525A        | Avcon Jet               | 09 AOJ46D         | OY-CLZ        | ATR72-212A    | Alsie Express        | MMD6318           |
|     | OO-PKX      | Ce750         | Air Service Liège       |                   | PH-FJK        | Ce525B        | JetNetherlands       | 22                |
| 09. | CS-PHB      | EMB505        | NetJets Europe          | 10 NJE224Q/450D   | 20.FB21       | F-16BM        | 2w                   | *BAF275           |
|     | HB-JVH      | Fokker 100    | Helvetic Airways        | OAW1402/6403      | 84004/844     | Tp84          | 71 Airlift sq        | SVF813            |
|     | OO-PKX      | Ce750         | Air Service Liège       | 11                | D-ASEF        | A320-214      | Sundair              | SDR8558/855F      |
| 10. | E163/705-RB | Alpha Jet E   | EAC00.314               | 11 FAF6441        | LX-RSQ        | Lj45XR        | European Air Ambul.  | 21 DUK5AMB        |
|     | E166/705-RW | Alpha Jet E   | EAC00.314               | 11 FAF6442        | OO-PKX        | Ce750         | Air Service Liège    | 25                |
|     | 02          | C-17A         | HAW                     | Bartok72          | OO-TFA        | B757-28A(C)   | ASL Airlines Belgium | TAY1524/326P      |
|     | D-CEFE      | Ce525C        | E-Aviation              | EFD4E             | 22.PH-FJK     | Ce525B        | JetNetherlands       | 23                |
|     | PH-HWM      | CL-605        | ASL                     | 12                | 23.L-04       | PC-7          | 131EMVosq            | *Diamond06        |
|     | UR-CJN      | An-12B        | Cavok Air               | 11 CVK7063/22     | S-419         | AS532U2       | 300sq                | *Demon4           |
| 11. | E163/705-RB | Alpha Jet E   | EAC00.314               | 12 FAF6443        | M-ABJA        | Lj45XR        | Ryanair              |                   |
|     | E166/705-RW | Alpha Jet E   | EAC00.314               | 12 FAF6444        | PH-FJK        | Ce525B        | JetNetherlands       | 27                |
|     | D-AWBB      | B737-7CN      | PrivatAir Germany       | PGT526            | 24.PH-CGN     | Do228-212     | Kustwacht            | *NCG03            |
|     | EW-383TH    | Il-76TD       | Ruby Star               | 12 RBS7601/2      | 25.FB21       | F-16BM        | 2w                   | *BAF271           |
|     | OO-PKX      | Ce750         | Air Service Liège       | 19                | 752           | C-130H        | 356 MTM              | 26 HAF356H        |
|     | PH-LAU      | Falcon 900EX  | Exxaero                 | XRO375/59         | OO-PKX        | Ce750         | Air Service Liège    | 26                |
| 12. | 02          | C-17A         | HAW                     | Bartok72          | UR-CKM        | An-12BP       | Cavok Air            | CVK7021/2         |
|     | D-CCAA      | Lj35A         | DRF                     | AMB314            | 27.54+11      | A400M         | LTG62                | *GAF722           |
|     | HA-LSA      | A320-232      | Wizz Air                | f/v WZZ4513/0313  | EC-HHI        | CRJ200ER      | Iberia Regional      | ANE5001/6002      |
|     | OY-OLD      | Falcon 8X     | Air Alsie               | MMD400            | M-ABGV        | Lj45XR        | Ryanair              |                   |
| 13. | D-CAGA      | EMB505        | Luxaviation Germany.    | LXG55GA           | PH-FJK        | Ce525B        | JetNetherlands       |                   |
|     | OY-JJH      | Do328-310     | JoinJet                 | 15 SUS890         | UR-CKM        | An-12BP       | Cavok Air            | arr CVK7023       |
|     | PH-FJK      | Ce525B        | JetNetherlands          |                   | 28.EC-JZT     | CRJ900ER      | Iberia Regional      | ANE3003/2002      |
|     | PH-FJK      | Ce525B        | JetNetherlands          | 19                | PH-CJM        | Ce680         | ASL                  |                   |
|     | PH-HWM      | CL-605        | ASL                     | 14                | PH-FJK        | Ce525B        | JetNetherlands       | 29                |
|     | UR-CJN      | An-12B        | Cavok Air               | arr CVK7023       | 29.M-ABJA     | Lj45XR        | Ryanair              | RYR03             |
| 14. | CS-PHA      | EMB505        | NetJets Europe          | NJE445A/017M      | OO-PKX        | Ce750         | Air Service Liège    | 01                |
|     | D-IMME      | Ce551         | Weingärten              |                   | OO-XLS        | Ce560XLS+     | Air Service Liège    |                   |
|     | EW-383TH    | Il-76TD       | Ruby Star               | 15 RBS2603/7604   | PH-FJK        | Ce525B        | JetNetherlands       |                   |
|     | OO-JCV      | PC-12/47E     | Nextgen Aviation        |                   | PH-FJK        | Ce525B        | JetNetherlands       | 09                |
|     | OO-JPT      | B737-8K5      | TUI Belgium             | f/v TFL50T/JAF1YV | 30.99/ABO     | TBM-700A      | EAAT                 |                   |
|     | PH-HWM      | CL-605        | ASL                     | 09                | 50+17         | C-160G        | LTG63                | GAF166            |
| 15. | 84004/844   | Tp84          | 71 Airlift sq           | 16 SVF813         | J-646         | F-16AM        | 312/313sq (nmks)     | *Sting02          |
|     | D-IGWT      | Ce525A        | SyltAir                 | AWU715            | 31.M-ABJA     | Lj45XR        | Ryanair              |                   |
| 16. | G-POWS      | B737-436      | Titan Airways           | AWC120Y/201       |               |               |                      |                   |
|     | PH-CJM      | Ce680         | ASL                     |                   |               |               |                      |                   |
|     | ZS-GAO      | A320-231      | Corendon Airlines (a/w) | f/v CAI041/0      |               |               |                      |                   |
| 17. | D-106       | CH-47D        | 298sq                   | *Viking1, GLV-V   |               |               |                      |                   |
|     | D-661       | CH-47D        | 298sq                   | *Viking2, GLV-V   |               |               |                      |                   |
|     | D-665       | CH-47D        | 298sq                   | *Corona1, GLV-V   |               |               |                      |                   |
|     | D-INFO      | PA-31T2       |                         |                   |               |               |                      |                   |

Two recently delivered Airbus A321s visited Eindhoven on the 2nd. Helvetic Airways operated a charter for PSV Eindhoven on the 9th. On the 11th PrivatAir Germany operated a military charter. The Boeing on the 14th is leased to TUI Belgium in RIU Hotels colours. Titan Airways operated two military flights on the 18th. Alsie Express operated a PSV



Global 6000 9H-LDN was delivered from the factory to a company called Blue Falcon in March 2017. The aircraft was virgin white and as such it was ferried to Lelystad for a paint job. (Lelystad, 24 July 2018, Jeroen Schonewille)

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On 3 July 2018 four Italian F-2000A Eurofighters from 18° Gruppo, based at Trapani, visited Volkel to train and compare their skills with local 312/313sq. Jeroen Jonkers was at the right place to bring you MM7316/37-07 prior to landing.

Eindhoven charter and the TUI on that day was a Brussels diversion. Two more military charters on the 20th operated by Sundair and ASL Belgium. Iberia Regional operated a charter on the 27th. A second flight took place on the 28th.

Additional note: The underlined movements above are gathered with help of ADS-B/scanner data.

Credits: EWAS, Oscar Sannen, Scramble MB.

### Gilze-Rijen

| July 2018        |             |           |                      |
|------------------|-------------|-----------|----------------------|
| 01. <u>D-101</u> | CH-47D      | 298sq     | <u>Shadow2</u>       |
| D-665            | CH-47D      | 298sq     | <u>Ghost3</u>        |
| 02. <u>N-318</u> | NH90-NFH    | 860sq     | <u>Neptune11</u>     |
| 03. <u>L-10</u>  | PC-7        | 131EMVosq | * <u>Diamond09</u>   |
| <u>L-13</u>      | PC-7        | 131EMVosq | * <u>Razor02</u>     |
| 04. <u>L-10</u>  | PC-7        | 131EMVosq | *                    |
| 05. <u>D-101</u> | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| 06. <u>FB20</u>  | F-16BM      | 10w/OCU   | * <u>Basic49</u>     |
| <u>D-663</u>     | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| 09. <u>L-08</u>  | PC-7        | 131EMVosq | * <u>NAF131</u>      |
| 12. <u>L-09</u>  | PC-7        | 131EMVosq | * <u>NAF131</u>      |
| 14. <u>Q-13</u>  | AH-64DN     | 301sq     | Redskin1             |
| 16. <u>FB15</u>  | F-16BM      | 10w/OCU   | * <u>BAF451</u>      |
| 17. <u>L-12</u>  | PC-7        | 131EMVosq | * <u>Diamond03</u>   |
| 18. <u>D-102</u> | CH-47D      | 298sq     | <u>Grizzly53</u>     |
| D-106            | CH-47D      | 298sq     | <u>Viking2</u>       |
| <u>L-02</u>      | PC-7        | 131EMVosq | * <u>Diamond02</u>   |
| <u>ZZ399</u>     | Wildcat AH1 | 1Regt     | <u>AAC109</u>        |
| <u>ZZ405</u>     | Wildcat AH1 | 1Regt     |                      |
| <u>ZZ406</u>     | Wildcat AH1 | 1Regt     | <u>AAC105</u>        |
| <u>ZZ524</u>     | Wildcat AH1 | 1Regt     | <u>AAC106</u>        |
| 19. <u>FB20</u>  | F-16BM      | 10w/OCU   | * <u>BAF461</u>      |
| <u>L-07</u>      | PC-7        | 131EMVosq | * <u>Diamond07</u>   |
| <u>L-11</u>      | PC-7        | 131EMVosq | * <u>Diamond09</u>   |
| 20. <u>L-11</u>  | PC-7        | 131EMVosq | * <u>Diamond07</u>   |
| 23. <u>FB15</u>  | F-16BM      | 10w/OCU   | * <u>BAF461</u>      |
| <u>H26</u>       | A109BA      | 17sq/1w   | <u>BAF316</u>        |
| <u>D-102</u>     | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| <u>L-12</u>      | PC-7        | 131EMVosq | * <u>Diamond12</u>   |
| <u>Q-25</u>      | AH-64DN     | 301sq     | arr Redskin43        |
| 24. <u>FB20</u>  | F-16BM      | 10w/OCU   | * <u>BAF411</u>      |
| <u>D-102</u>     | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| <u>D-667</u>     | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| 25. <u>D-102</u> | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| <u>L-10</u>      | PC-7        | 131EMVosq | * <u>Diamond14</u>   |
| 26. <u>FB18</u>  | F-16BM      | 10w/OCU   | * <u>BAF451</u>      |
| <u>D-665</u>     | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| 27. <u>D-665</u> | CH-47D      | 298sq     | tst <u>Grizzly91</u> |
| 31. <u>L-10</u>  | PC-7        | 131EMVosq | * <u>Diamond12</u>   |

The Chinooks listed on 1 and 18 July 2018 assisted local fire departments with bambi-bucket operations to end forest fires. The Army Air Corps Wildcat formation refuelled at Gilze-Rijen following disruptions above Germany, giving it a second try afterwards.

Additional note: The underlined movements above are gathered with help of ADS-B/scanner data

Credits: Gilze Rijen Aviation Society, Scramble MB.

### De Kooy

| July 2018  |             |                       |                   |
|------------|-------------|-----------------------|-------------------|
| 02. G-CGWB | AW139       | CHC                   | tst               |
| 03. G-SNSK | AW139       | CHC                   | tdy 25 HNL99B/10A |
| 04. 1x     | AS532U2     | 300sq                 | * <u>Duke2</u>    |
| 06. PH-HHK | Bell 206L-1 | Helii Holland Holding | *                 |
| 12. D-HDDL | EC135P2+    | MFG5                  | GNV4910           |
| 16. M2     | SA316B      | 40sq                  | BAF712            |
| D-HDDL     | EC135P2+    | MFG5                  |                   |
| 18. RN04   | NH90-NFH    | 40sq                  | BAF720            |
| J-512      | F-16AM      | 312/313sq             | * <u>Tiger01</u>  |
| 30. 3x     | F-16AM/BM   | 312/313/322sq         | *                 |

The AW139 on the 2nd performed a local flight after heavy maintenance. It departed on the 10th by trailer. The helicopter on the 3rd operated flights from Den Helder for most of the month, before returning to Norwich.

Credits: SG De Kooy / Den Helder, Den Helder Aviation Photography, Oscar Sannen, Scramble MB.

### Leeuwarden

| July 2018  |                   |                          |                    |
|------------|-------------------|--------------------------|--------------------|
| 02. S-456  | AS532U2           | 300sq                    | Duke4              |
| I-D057     | Pipistrel Alpha E |                          | ID057              |
| I-X052     | Pipistrel Alpha E |                          | IX052              |
| 04. D-102  | CH-47D            | 298sq                    | * <u>Viking2</u>   |
| 05. J-013  | F-16AM            | 322sq                    | arr NAF92          |
| 11. J-368  | F-16AM            | 312/313sq (nmks)         | * <u>Bonzo01</u>   |
| 12. D-HDDL | EC135P2+          | MFG5                     | * <u>GNV4910</u>   |
| J-136      | F-16AM            | 312/313sq (td 312sq mks) | * <u>Psycho01</u>  |
| J-509      | F-16AM            | 322sq                    | arr Killer         |
| J-624      | F-16AM            | 322sq                    | dep Killer         |
| 16. L-07   | PC-7              | 131EMVosq                | * <u>Diamond09</u> |
| 18. J-616  | F-16AM            | 312/313sq                | * <u>Anvil01</u>   |
| J-646      | F-16AM            | 312/313sq (nmks)         | Anvil02            |
| T-235      | KDC-10            | 334sq                    | * <u>NAF61</u>     |
| 19. T-235  | KDC-10            | 334sq                    | * <u>NAF61</u>     |
| 26. T-419  | T-17              | FLSK                     | DAF3271            |

Leeuwarden started July with a special set of first visitors as

on 2 July two electrical Pipistrel airplanes visited on their Eleven roads tour. This event took place between 1 and 17 July aiming for more awareness and visibility on 'green' ways of transportation. The German Navy EC135 was heading for De Kooy on its way towards the RIAT. Anvil02 received a warm welcome by the fire department as a dummy load did not separate over the Cornfield range and was still attached while landing, accompanied by Anvil01 as wingman. The 334sq KDC-10 visited twice on training flights from Eindhoven with the Danish T-17 trainer closing the month in style.

Credits: MILSpotters, Oscar Sannen, Dirk Visser and Scramble MB.

## Lelystad

|           |              |                           | July 2018 |
|-----------|--------------|---------------------------|-----------|
| 01.N616CM | TBM-850      | Iconnect                  | dep       |
| PH-CJM    | Ce680        | ASL                       |           |
| 02.OY-RSE | PC-12/47E    | Fournais Aviation         |           |
| PH-JAT    | P-51D        | Early Birds Foundation    | tst       |
| 03.N425ST | Ce550        | FS Aviation               |           |
| PH-TTR    | H135         | ANWB - MAA                | 07        |
| 06.D-CMDH | Ce680        | E-Aviation                | 07        |
| OO-CFW    | PC-12/47E    | Nextgen Partners          |           |
| 07.HB-PST | PA-46-350P   | Verein Cloudhunter        | 09        |
| 09.9H-LDN | Global 6000  | TAG Aviation (Malta)      | 31 TEU3   |
| F-GPNJ    | Falcon 900EX | Aero Vision               | arr       |
| 10.N125DB | Eclipse 500  | Innovation Transportation | dep       |
| 11.N125DB | Eclipse 500  | Innovation Transportation | 16        |
| OK-JKT    | TBM-700C2    | T-air                     |           |
| 12.D-HGVB | R44          | HeliFlights               |           |
| PH-CJX    | Beech G58    | Verwelius                 |           |
| 13.PH-JAT | P-51D        | Early Birds Foundation    | dep       |
| 16.N125DB | Eclipse 500  | Innovation Transportation | 18        |
| PH-JAT    | P-51D        | Early Birds Foundation    | arr       |
| 17.OE-GCH | Ce550 Bravo  | Speedwings                | arr       |
| 18.N600GK | Ce525        | Fair Wind Air             | 19        |
| 19.G-COGS | Bell 407GXP  | HC Heliservices           |           |
| N125DB    | Eclipse 500  | Innovation Transportation | arr       |
| PH-OOP    | H145         | RAV Fryslân – MAA         |           |
| PH-VCC    | DA62         |                           | del       |
| 20.G-EXPO | PA-46-350T   |                           |           |
| N188LG    | PA-46-350P   | Porta Air Service         |           |
| PH-ULP    |              |                           | 30        |
| 21.N65565 | N2S          |                           | arr       |
| 23.PH-UDB | DA62         | Boer                      |           |
| 25.PH-OOP | H145         | RAV Fryslân – MAA         | dep       |
| PH-TCN    | P180         | JetNetherlands            |           |
| 30.G-MEDZ | Beech B200   | Zeusch aviation           | del       |
| 31.PH-TCN | P180         | JetNetherlands            |           |

Busy times for the Satys paintshop this month. On the 9th the first two customers arrived. On the 17th the third customer

arrived. The Early Birds Mustang departed to Duxford on the 13th and returned three days later. The helicopter on the 19th made a fuelstop on its way from Fair Oaks to Wilhelms-haven. A new resident Diamond DA62 was delivered on the 19th. The Beech on the 30th is former EC-JGB.

Credits: Berend Jan Floor, Richard Poeser, Ernesto Bauer, Lelystad Airport Aviation Group (Facebook), Scramble MB.

## Volkel

|                 |             |                       | July 2018        |
|-----------------|-------------|-----------------------|------------------|
| 03.MM7307/37-01 | F-2000A     | 18Gr/37St             | 04 IAM3701       |
| MM7316/37-07    | F-2000A     | 18Gr/37St             | 05 IAM3718/01    |
| MM7321/37-12    | F-2000A     | 18Gr/37St             | 04 IAM3719/01    |
| MM7345/37-45    | F-2000A     | 18Gr/37St             | 05 IAM3702/01    |
| J-367           | F-16AM      | 322sq                 | 04 NAF322/NAF91  |
| L-10            | PC-7        | 131EMVOsq             | *Diamond09       |
| 04.FB18         | F-16BM      | 10w/OCU               | *BAF501          |
| LX-N90459       | E-3A        | NAEW&CF               | *Nato40          |
| J-015           | F-16AM      | 312sq                 | dep NAF92        |
| L-10            | PC-7        | 131EMVOsq             | *Diamond03       |
| L-13            | PC-7        | 131EMVOsq             | *Diamond08       |
| 05.43+48        | Tornado IDS | TLG33                 | *GAFE12          |
| J-055           | F-16AM      | 312/313sq (nmks)      | arr NAF91        |
| 06.LX-N90448    | E-3A        | NAEW&CF               | *Nato40          |
| 09.L-03         | PC-7        | 131EMVOsq             | *Razor02         |
| 11.L-10         | PC-7        | 131EMVOsq             | *Diamond11       |
| 12.FB18         | F-16BM      | 10w/OCU               | *BAF431          |
| FB24            | F-16BM      | 10w/OCU (spec mks)    | *BAF451          |
| 13.FB20         | F-16BM      | 10w/OCU               | *BAF451          |
| L-11            | PC-7        | 131EMVOsq             | *Diamond11       |
| 18.FB18         | F-16BM      | 10w/OCU               | *BAF461,481      |
| FB20            | F-16BM      | 10w/OCU               | *BAF451,471      |
| PH-CGC          | Do228-212   | Kustwacht             | 2x*              |
| ZZ399           | Wildcat AH1 | 1Regt                 | *AAC109          |
| ZZ405           | Wildcat AH1 | 1Regt                 | *                |
| ZZ406           | Wildcat AH1 | 1Regt                 | *AAC105          |
| ZZ524           | Wildcat AH1 | 1Regt                 | *AAC106          |
| 19.FA103        | F-16AM      | 10w                   | 20 BAF431        |
| FA116           | F-16AM      | 10w (Tiger mks)       | 20 BAF432        |
| J-060           | F-16AM      | 322sq                 | 20 Saw01/Blade02 |
| L-11            | PC-7        | 131EMVOsq             | *Diamond03       |
| 20.S-456        | AS532U2     | 300sq                 | *Demon4          |
| 08-8202         | C-17A       | 62nd AW               | RCH1171          |
| 23.J-063        | F-16AM      | 312/313sq (313sq mks) | dep Sting4       |
| S-456           | AS532U2     | 300sq                 | *Duke6           |
| 24.FB15         | F-16BM      | 10w/OCU               | *BAF461          |
| FB18            | F-16BM      | 10w/OCU               | *BAF451          |
| 31.J-014        | F-16AM      | 312/313sq             | arr Silver2      |
| J-512           | F-16AM      | 312/313sq             | dep Bonzo01      |
| J-641           | F-16AM      | 312/313sq             | arr Silver1      |
| 84-0087         | C-21A       | 76th AS               | Falcon42         |



In 1995 this Boeing 737 was delivered to the Royal Thai Air Force 904sq and registered as 55-555. The aircraft received civil registration HS-CMV in November 2005 with His Royal Highness Crown Prince Maha Vajiralongkorn as operator. The Crown Prince became King in 2016. The markings on its lower forward fuselage depict the number 90401 and the markings on the bottom part of its tail depict the number 11-111. (Woensdrecht, 30 July 2018, Johan Havelaar)

The Italian Eurofighters visited Volkel early July to train with local F-16s, excluding MM7321 as this one did not make any local flight in between. Another rotation of Jordan based F-16AMs for the 1(NL) ATF ME took place as well, one AWACS shooting some approaches after visiting Mildenhall first. On 18 July the AAC Wildcat formation passed Volkel while heading for Gilze-Rijen. Closing the month are local F-16AMs rotating maintenance slots at LCW Woensdrecht and one 76th AS C-21A found its way back to Volkel on 31 July.

Credits: SGVolkel Message Board, Scramble MB.

## Woensdrecht

| July 2018  |            |                          |                |
|------------|------------|--------------------------|----------------|
| 02. OE-IEC | A319-112   | Cambodia Airways         | tst            |
| 03. EC-JNF | B737-85P   | Transavia France         | tst AEE007     |
| OE-IEC     | A319-112   | Cambodia Airways         | dep SX11824    |
| 04. Q-25   | AH-64DN    | 301sq                    | tst Redskin05  |
| 05. Q-25   | AH-64DN    | 301sq                    | tst Redskin09  |
| 06. D-665  | CH-47D     | 298sq                    | *Ghost04       |
| Q-25       | AH-64DN    | 301sq                    | tst Redskin07  |
| S-456      | AS532U2    | 300sq                    | *NAF56         |
| PH-ULP     | EC135P2    | ANWB - MAA               | *Lifeline2     |
| 09. OH-LXD | A320-214   | Finnair                  | 13 FIN8912/23  |
| 10. J-509  | F-16AM     | 322sq                    | tst Slammer    |
| F-GZHZ     | B737-85P   | Transavia France         | dep TVF456     |
| 11. ST45   | SF260D     | CC Air                   | *BAF151        |
| J-368      | F-16BM     | 312/313sq (nmks)         | *Bonzo01       |
| VQ-BGY     | A321-231   | Ural Airlines            | SVR3901        |
| 12. D-106  | CH-47D     | 298sq                    | Grizzly01      |
| J-136      | F-16AM     | 312/313sq (td 312sq mks) | *Psycho01      |
| J-509      | F-16AM     | 322sq                    | dep Killer     |
| J-624      | F-16AM     | 322sq                    | arr Killer     |
| 13. LY-NVZ | A320-232   | Avion Express            | 17 NVD9903/1   |
| 16. CS-TFY | A320-232X  | MasterJet                | 24 LMJ491Y     |
| 17. PH-HZL | B737-8K2   | Transavia                | 18 TRA051/2    |
| 18. N737ER | B737-7CJ   | BBJ One                  | 28             |
| 23. H26    | A109BA     | 17sq/1w                  | *BAF316        |
| J-063      | F-16AM     | 312/313sq                | arr Sting01    |
| Q-25       | AH-64DN    | 301sq                    | dep Redskin43  |
| S-419      | AS532U2    | 300sq                    | *Demon4        |
| VP-BZZ     | B737-8LX   | Gama Aviation            | arr BVR1       |
| 26. N-319  | NH90-NFH   | 860sq                    | tst Fiber09    |
| 26. N-319  | NH90-NFH   | 860sq                    | tst Fiber10    |
| N-325      | NH90-NFH   | 860sq                    | arr Guardian24 |
| 27. N-319  | NH90-NFH   | 860sq                    | tst Fiber10    |
| 30. D-890  | CH-47F     | 298sq                    | *Grizzly55     |
| HS-CMV     | B737-4Z6   | Thai Government          | VMS01          |
| 40-AOP     | Fokker 100 | Montenegro Airlines      | arr MGX998     |
| 31. J-014  | F-16AM     | 312/313sq                | dep Silver2    |
| J-512      | F-16AM     | 312/313sq                | arr Bonzo01    |
| J-641      | F-16AM     | 312/313sq                | dep Silver1    |

In July Woensdrecht started on the civil side with the departure of a long term resident A319. After two failed attempts to get delivered to German customers, a new home was found in South East Asia with Cambodia Airways as operator, however still in basic Sundair colours. A former Air Europa B737 transferred to Transavia France. One former Monarch A321 moved over to Russia and joined Ural Airlines. Special attention goes out to the two BBJs, first a BBJ1 from BBJ One on 18 July and five days later a BBJ2 from Farnborough based Gama Aviation. A B737-400 from the Thai Government visited on the 30th. Operating out of Munich the Crown Prince spends the summers in Germany to keep his flying hours current. On the military side a lot of local LCW traffic with increased volumes on the F-16AM fleet, the NH90 also stands out as the test flights indicate completion of major overhaul and five years of flying hours on the airframes.

Credits: Johan Havelaar, Scramble MB.

## Twente

| July 2018  |               |                     |                 |
|------------|---------------|---------------------|-----------------|
| 02. HB-IGU | Falcon 2000LX | CAT Aviation        | 03 CAZ401       |
| PH-MDG     | Ce680         | JetNetherlands      |                 |
| 03. OO-GLM | Ce680         | ASL                 |                 |
| 05. OO-GLM | Ce680         | ASL                 |                 |
| 06. OO-JCV | PC-12/47E     | NextGen Aviation    |                 |
| 07. OO-JCV | PC-12/47E     | NextGen Aviation    |                 |
| 10. CS-DXZ | Ce560XLS      | NetJets Europe      | NJE889Y/646H    |
| 11. CS-DXV | Ce560XLS      | NetJets Europe      | 12 NJE125C/343Y |
| CS-DXZ     | Ce560XLS      | NetJets Europe      | NJE322H/135E    |
| CS-PHD     | EMB505        | NetJets Europe      | NJE834D/537A    |
| D-IRUN     | Ce510         | Luxaviation Germany | 12 LXG51N       |
| 12. D-IRUN | Ce510         | Luxaviation Germany | LXG51N          |
| PH-MDG     | Ce680         | JetNetherlands      | 17              |
| 13. CS-PHG | EMB505        | NetJets Europe      | NJE064G/611H    |
| 17. PH-MDG | Ce680         | JetNetherlands      | 19              |
| 18. CS-PHG | EMB505        | NetJets Europe      | NJE245A         |
| D-IRUN     | Ce510         | Luxaviation Germany | 19 LXG51N       |
| OE-FPP     | Ce510         | GlobeAir            | GAC630R         |
| 19. D-IFGU | Ce425         | Dieffenbacher       |                 |
| D-IFHD     | Ce525         | E-Aviation          | EFD2D           |
| D-IRUN     | Ce510         | Luxaviation Germany | LXG51N          |
| N169SD     | G550          | Airborne            |                 |
| 24. D-IMRB | Beech C90GTi  | E-Aviation          | EFD1B           |
| PH-MDG     | Ce680         | JetNetherlands      |                 |
| 25. CS-PHB | EMB505        | NetJets Europe      | NJE9QL/047A     |
| D-IMRB     | Beech C90GTi  | E-Aviation          | EFD1B           |

The Gulfstream on the 19th arrived from Stansted and departed to Lagos. It is the largest privately operated aircraft yet to visit the airport.

Credit: EHTW spotters.



Air Europa took delivery of this Boeing 737 in February 2006. In March 2018 EC-JNF was withdrawn from use and ferried to Woensdrecht. It was photographed one week before being delivered to its new operator Transavia France as F-GZHZ. (Woensdrecht, 30 July 2018, Johan Havelaar)



|           |             |                         |        |            |              |                         |               |
|-----------|-------------|-------------------------|--------|------------|--------------|-------------------------|---------------|
| 16.D-890  | CH-47F      | 298sq                   | f/v    | OO-IDE     | Ce525        | Air Service Liège       |               |
| OO-ACO    | Ce510       | Air Service Liège       | 17     | OO-STB     | R22          | STB Copter              |               |
| PH-MYX    | Ce650       | JetNetherlands          | 18     | 26.ST-40   | SF260D       | CC Air                  |               |
| 17.CS-CHG | CL-350      | NetJets Europe          | f/v    | G-LUBB     | Ce525        | Surrey Heli Charters    |               |
| D-ITRA    | Ce525       | Transavia               |        | PH-BYC     | Beech 58     | KLS                     |               |
| LX-GSP    | Ce680       | Flying Group Luxembourg |        | PH-TXA     | Ce510        | ASL                     | 28            |
| LX-JFY    | PC-12/47E   | Jetfly Aviation         | 18     | SE-MFP     | Fokker 50    | Amapola Flyg            | f/v dep       |
| N363JR    | PA-46-500TP | Devuma                  | 20     | 27.CS-CHF  | CL-350       | NetJets Europe          | 28            |
| OK-PTT    | PC-12/47E   | Air Bohemia             | 18     | D-IGWT     | Ce525A       | Sylt Air                |               |
| OO-PCJ    | PC-12/47E   | EAPC                    |        | G-LUBB     | Ce525        | Surrey Heli Charters    |               |
| 18.RN04   | NH90-NFH    | 40sq                    | f/v    | HB-GLA     | Beech B200   | Swiss Flight Services   | f/v           |
| G-ATSZ    | PA-30-160B  | Sierra Zulu Aviation    |        | M-ARTY     | PC-12/47E    | Creston (UK)            | 28            |
| OO-ACO    | Ce510       | Air Service Liège       | 19     | N2FD       | CL-604       | TVPX ARS                | f/v 28        |
| OO-GEE    | PC-12/47E   | Blue Sky Aviation       | 20     | OO-ACO     | Ce510        | Air Service Liège       | 30            |
| YU-MTU    | Ce525       | Infinity Aviation       | 19     | OO-PAR     | Ce525B       | Luxaviation Belgium     | 28            |
| 19.CS-CHA | CL-350      | NetJets Europe          |        | OO-VMF     | Ce560XLS+    | Air Service Liège       | 28            |
| CS-LTA    | Ce680A      | NetJets Europe          |        | 28.9H-VCK  | CL-350       | VistaJet Malta          | 29            |
| D-ITAN    | Ce525       | Transavia               |        | CS-DVZ     | Ce550        | Taespejo Portugal       | f/v 30        |
| G-LUBB    | Ce525       | Surrey Heli Charters    | 20     | D-IAKN     | Ce525A       | Star Wings              | 29            |
| OO-ACO    | Ce510       | Air Service Liège       | 21     | D-INCS     | Ce525        | Bizair Flug             |               |
| PH-TXA    | Ce510       | ASL                     | 21     | G-RORA     | EMB550       | Centreline              | f/v 29        |
| YU-PZM    | Ce560XLS+   | Air Pink                |        | OK-MAR     | Ce525A       | Aeropartner             | 29            |
| 20.CH-05  | C-130H      | 20sq                    |        | PH-TXA     | Ce510        | ASL                     | 29            |
| RN08      | NH90-TTH    | 18sq/1w                 |        | 29.9H-KAZ  | BAe125-900XP | Hyperion Aviation       | 06            |
| CS-DXP    | Ce560XLS    | NetJets Europe          |        | 9H-PLM     | Ce650        | Luxwing                 |               |
| CS-TFR    | Lj45XR      | Omni Aviation           |        | D-CHDJ     | Ce560XLS     | Ohlair                  | 30            |
| D-IAAY    | EMB500      | Arcus Air               |        | LX-EBE     | Ce560XLS+    | Flying Group Luxembourg | 31            |
| D-ITAN    | Ce525       | Transavia               |        | OK-EAS     | Beech 400XTi | Time Air                |               |
| OK-SGR    | Bell 429    | Blue Sky Service        | f/v    | OO-ACC     | Ce525A       | Air Service Liège       | 30            |
| OO-ACC    | Ce525A      | Air Service Liège       | 21     | OO-PCK     | PC-12/47E    | EAPC                    |               |
| PH-MYX    | Ce650       | JetNetherlands          |        | PH-FJK     | Ce525B       | ASL                     |               |
| YU-MTU    | Ce525       | Infinity Aviation       |        | PH-TXA     | Ce510        | ASL                     | 30            |
| 21.CS-PHC | EMB505      | NetJets Europe          |        | 30.OO-ACC  | Ce525A       | Air Service Liège       | 31            |
| D-CEHM    | Ce560XLS+   | Stuttgarter Flugdienst  | 22     | 31.D-CEFE  | Ce525C       | Eisele Flugdienst       |               |
| OE-GBE    | IAI1125SPX  | Tyrol Air Ambulance     |        | F-GJFA     | Beech B200   | Aero Sotravia           |               |
| OO-ACC    | Ce525A      | Air Service Liège       |        | F-GMBC     | PA-46-350P   | Aeromist                | 02            |
| SP-MHK    | Beech C90GT | AMC Aviation            | f/v 22 | LX-EBE     | Ce560XLS+    | Flying Group Luxembourg |               |
| 22.9A-JSD | Ce525A      | Jung Sky                |        | OO-ACC     | Ce525A       | Air Service Liège       | 01            |
| D-CHDJ    | Ce560XLS    | Ohlair                  | 23     | OO-ACO     | Ce510        | Air Service Liège       | 07            |
| EC-MLV    | Ce680       | TAG Aviation España     | f/v    | PH-LAU     | Falcon 900EX | Exxaero                 |               |
| G-SPUR    | Ce550       | Luxaviation UK          |        |            |              |                         |               |
| OK-MAR    | Ce525A      | Aeropartner             |        |            |              |                         |               |
| OO-ACC    | Ce525A      | Air Service Liège       | 23     |            |              |                         |               |
| PH-HRK    | P180        | JetNetherlands          |        |            |              |                         |               |
| PH-TXA    | Ce510       | ASL                     | 23     |            |              |                         |               |
| S5-ICR    | Ce560XL     | Ikar Aviation           |        |            |              |                         |               |
| YU-MTU    | Ce525       | Infinity Aviation       |        |            |              |                         |               |
| 23.HA-DAO | DA42        | Skywings                | del    |            |              |                         |               |
| N19NE     | Falcon 7X   | Planet Nine Private Air | f/v 24 |            |              |                         |               |
| PH-TXA    | Ce510       | ASL                     | 25     |            |              |                         |               |
| 24.D-IAAT | EMB500      | Arcus Air               |        |            |              |                         |               |
| LX-GCA    | Ce525       | Serlux                  |        | 01.MM62229 | KC-767A      | 8° Gruppo               | July 2018     |
| LX-JFY    | PC-12/47E   | Jetfly Aviation         |        | 04-4137    | C-17A        | 6th AS                  | arr           |
| OO-ACC    | Ce525A      | Air Service Liège       | 28     | 03.A36-001 | B737-7DT     | 34sq                    | RCH521        |
| 25.OO-ACO | Ce510       | Air Service Liège       | 26     | 04.EC-MXU  | A320-251N    | Iberia                  | dep ASY334    |
|           |             |                         |        | SU-TCH     | A330-203     | Almasria Universal      | f/v IBE3206/3 |
|           |             |                         |        |            |              |                         | arr LMU3320   |

The Diamond on the 23rd arrived on delivery from Bindlacher Berg. Former OO-VLJ has found a new home up north and departed to Malmö on the 26th. The Fokker 50 is owned by Largus Aviation, which is 100 % owned by Staffan and Erik Salén, who also own Amapola Flyg.

Credits: ASA Belgium vzw, Luchtzak.be forum.

## Brussels

|            |           |                    |               |
|------------|-----------|--------------------|---------------|
| 01.MM62229 | KC-767A   | 8° Gruppo          | July 2018     |
| 04-4137    | C-17A     | 6th AS             | arr           |
| 03.A36-001 | B737-7DT  | 34sq               | RCH521        |
| 04.EC-MXU  | A320-251N | Iberia             | dep ASY334    |
| SU-TCH     | A330-203  | Almasria Universal | f/v IBE3206/3 |
|            |           |                    | arr LMU3320   |



Challenger D-ANTR was delivered to MHS Aviation in March 2015. Early 2018 the CL-604 was repainted into these colours as a flying advert for five-star hotel The Chedi Andermatt. (Antwerp, 9 July 2018, Walter Van Brempt)

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This former TNT Boeing 737 was repainted into Longhao Airlines colours at Woensdrecht in February 2018. In June 2018 former OE-IBZ was reregistered to N442SR. Registered as such it departed Brussels for China via Astana when this photo was taken. (Brussels, 18 July 2018, Paul Sanders)

|            |              |                           |                |              |              |                             |               |
|------------|--------------|---------------------------|----------------|--------------|--------------|-----------------------------|---------------|
| 05.04-4134 | C-17A        | 6th AS                    | arr RCH377     | 1962         | C-27J        | Dopravné krídli             | SQF006        |
| G-ZAPX     | B757-256     | Titan Airways             | div TCX1042    | T.18-1/45-40 | Falcon 900B  | 451 Esc                     | arr AME4592   |
| N550AU     | G550         | Fortuna Jet Aviation Comp | 07             | T.18-3/45-42 | Falcon 900B  | 451 Esc                     | arr AME4512   |
| N650FJ     | G650ER       | Fortuna Jet Aviation Comp | 07             | T.18-5/45-44 | Falcon 900B  | 451 Esc                     | arr AME4501   |
| SP-LVD     | B737-8       | LOT                       | f/v LOT233/4   | T.22-1/45-50 | A310-304     | 451 Esc                     | arr AME4590   |
| 06.CS-TFX  | A340-542     | Hi Fly                    | 09 HFY551P/11P | 102005       | Tp102D       | TSFE                        | arr SVF641    |
| EC-MYA     | A330-202     | LEVEL                     | 27 IBE2952/3   | ZE708        | BAe146 C3    | 32(TR)sq                    | arr KRF89     |
| S5-ACJ     | ERJ145LU     | Aero4M                    |                | ZZ336        | Voyager KC2  | 10/101sq                    | arr KRF83     |
| 07.CS-LTA  | Ce680A       | NetJets Europe            | arr            | A6-RJC       | Global 5000  | Royal Jet                   | 12 ROJ22      |
| G-THFC     | ERJ135BJ     | Luxaviation UK            | arr            | A7-MHH       | A319-115X    | Government of Qatar         | arr           |
| I-ELYS     | Lj40         | Eurofly Service           | dep            | A9C-BHR      | G450         | Government of Bahrain       | arr BAH4      |
| LX-JFV     | PC-12/47E    | Jetfly Aviation           |                | CS-TQY       | A340-313     | Hi Fly (a/w)                | 13 HFY321P/2P |
| LY-EWE     | B737-33R     | GetJet Airlines (a/w)     | TAR668/9       | F-HPUR       | BAe125-800XP | Valljet                     | arr           |
| N517DW     | G550         | Colleen Corp.             |                | HA-LKZ       | Falcon 900LX | Air Invest                  | arr           |
| N604GF     | CL-604       | TVPX ARS                  | dep            | LZ-AOB       | A319-112     | Government of Bulgaria      | arr BGF001    |
| OE-GKW     | G100         | Tyrol Air Ambulance       | 08 TYW758      | OM-BYC       | Fokker 100   | Government of Slovakia      | SSG004        |
| 08.05-5150 | C-17A        | 535th AS                  | RCH382         | OM-BYK       | A319-115X    | Government of Slovakia      | 12 SSG001     |
| 06-6161    | C-17A        | 21st AS                   | RCH380         | OO-MLG       | Ce560XL      | Luxaviation Belgium         | arr           |
| 08-8204    | C-17A        | 437th AW                  | RCH379         | OO-PCM       | PC-12/47E    | EAPC                        |               |
| 08-8603/RS | C-130J-30    | 37th AS                   | arr HKY749     | SU-TCH       | A330-203     | Almasria Universal Airlines | arr           |
| 09-9210    | C-17A        | 62nd AW                   | RCH381         | TC-IST       | A319-133X    | Government of Turkey        | arr TRK2      |
| 93-1563    | C-130H-3     | 158th AS                  | arr HKY881     | TC-TUR       | A330-243X    | Government of Turkey        | arr TRK1      |
| D-AHER     | Falcon 900EX | Heron Aviation            | dep            | UR-ABA       | A319-115X    | Gov'mnt of Ukraine          | 12 UKN1119/20 |
| G-THFC     | ERJ135BJ     | Luxaviation UK            | dep            | YI-ASF       | B737-81Z     | Iraqi Airways               | 12 IAW2       |
| LX-LAA     | Lj45         | Ducair - LAR              | arr            | YR-CBK       | B737-382     | Cobrex Trans                | CBX301P/901   |
| PH-STB     | Falcon 900C  | Exxaero                   |                | YR-IGP       | ERJ135BJ     | Toyo Aviation               | 12            |
| YR-URS     | A319-132     | Air Moldova (a/w)         | MLD801/2       | Z3-MKD       | Lj60         | Government of Macedonia     |               |
| 09.54+10   | A400M        | LTG62                     | GAF041         | 12.701       | A319-132X    | Government of Armenia       | dep           |
| 166376     | C-37B        | VR-1                      | arr VV500      | 1257         | Yak-40K      | 241.dlt                     | arr           |
| 4L-GAA     | CL-850       | Georgian Airways          | arr TGZ1701    | 2801         | A319-115X    | 241.sdl                     | dep           |
| UR-ABA     | A319-115X    | Government of Ukraine     | UKN1117/8      | C-172        | CL-604       | Esk 721                     | dep           |
| 10.15001   | CC-150       | 437sq                     | arr CFC01      | 2/F-RAFP     | Falcon 900   | ET00.060                    | dep           |
| 09-0016    | C-32A        | 1st AS                    | arr SAM45      | 68/F-RAFA    | Falcon 7X    | ET00.060                    | dep           |
| 73-1677    | E-4B-BN      | 1st ACCS                  | arr HANK99     | 14+02        | Global 5000  | FBS BMVg                    | dep           |
| 92-9000    | VC-25A       | PAS                       | arr AF1        | 145-209      | ERJ135LR     | 352 MMYP                    | dep           |
| 99-0004    | C-32A        | 1st AS                    | arr SAM674     | 605          | A319-112     | MH 59. Sz.D. R              |               |
| 4K-AI08    | A340-642     | Azerbaijan Airlines       | arr AHY6731    | MM62209      | A319-115X    | 306° Gruppo                 | dep           |
| LY-VEW     | A320-214     | SunExpress                | f/v SXS550/3JY | 0001         | G550         | 1.BLTr                      |               |
| N767A      | B767-2AXER   | Saudi Aramco Aviation     | arr            | T.18-1/45-40 | Falcon 900B  | 451 Esc                     | dep           |
| OO-PCM     | PC-12/47E    | EAPC                      |                | T.22-1/45-50 | A310-304     | 451 Esc                     | dep           |
| SP-LIG     | ERJ175LR     | Polish Government         |                | 102005       | Tp102D       | TSFE                        | dep           |
| SU-TCH     | A330-203     | Almasria Universal        | LMU2310/1      | 01-0187      | C-17A        | 62nd AW                     | RCH500        |
| TC-GAP     | G450         | Government of Turkey      | arr TRK5       | 73-1677      | E-4B-BN      | 1st ACCS                    | dep           |
| 11.701     | A319-132X    | Government of Armenia     | arr ARY4001    | 159351       | VH-3D        | HMX-1                       |               |
| 2801       | A319-115X    | 241.sdl                   | arr CEF01      | ZE708        | BAe146 C3    | 32(TR)sq                    | dep           |
| C-172      | CL-604       | Esk 721                   | arr DAF002     | ZZ336        | Voyager KC2  | 10/101sq                    | dep           |
| 2/F-RAFP   | Falcon 900   | ET00.060                  | arr CTM0012    | 40-MNE       | Lj45         | Vlada Crne Gore             | dep           |
| 68/F-RAFA  | Falcon 7X    | ET00.060                  | arr CTM0006    | 9K-GEA       | A319-115X    | Government of Kuwait        | arr           |
| 14+01      | A340-313X    | FBS BMVg                  | arr            | CN-RGA       | B747-428     | Royal Air Maroc             | RAM844/5      |
| 165-209    | ERJ135LR     | 352 MMYP                  | arr HAF352B    | G-OOEG       | CL-350       | Catreus                     |               |
| 605        | A319-112     | MH 59. Sz.D. R            | HUAF701        | G-XPTV       | ERJ135BJ     | Arena Aviation              | dep           |
| MM62209    | A319-115X    | 306° Gruppo               | arr IAM9002    | I-AFOI       | Raytheon 390 | ItalyFly                    |               |
| 07         | C-27J        | Transporto Esk            | arr LYF166     | I-SEAS       | Falcon 900EX | Servizi Aerei               | arr           |
| 0001       | G550         | 1.BLTr                    | PLF105         | LX-LAA       | Lj45         | Ducair - LAR                |               |

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|                  |              |                               |               |            |             |                              |              |
|------------------|--------------|-------------------------------|---------------|------------|-------------|------------------------------|--------------|
| LZ-AOB           | A319-112     | Government of Bulgaria        | dep           | 24. D-CAAY | Lj55ER      | Air-Alliance                 |              |
| OM-BYA           | A319-115X    | Government of Slovakia        | 13 SSG004     | D-ISJP     | Ce525A      | Ohlair Charterflug           |              |
| OO-SBA           | A321-231     | VLM Airlines (a/w)            | del SX11827   | EC-MXJ     | A320-214    | Gowair                       | RAM678/27    |
| TC-TUR           | A330-243X    | Government of Turkey          | dep           | EC-MXJ     | A320-214    | Gowair                       | RAM626/79    |
| Z3-MKD           | Lj60         | Government of Macedonia       |               | LY-NVZ     | A320-214    | SunExpress                   | f/v SXS550/1 |
| 13. 258          | Lj45         | MATS                          | arr IAC258    | SU-TCH     | A330-203    | Almasria Universal Airlines  |              |
| 05-5150          | C-17A        | 535th AS                      | arr RCH382    | SX-ODS     | A320-232    | Orange2fly (a/w)             | JAF267P/2VB  |
| 07-7189          | C-17A        | 437th AW                      | arr RCH384    | ZS-GAO     | A320-231    | Corendon Airlines (a/w)      | dep          |
| 08-8601/RS       | C-130J-30    | 37th AS                       | arr HKY751    | 25. 9H-VFJ | CL-605      | VistaJet Malta               | arr          |
| 09-9210          | C-17A        | 62nd AW                       | arr RCH381    | CS-DXR     | Ce560XLS    | NetJets Europe               |              |
| 14. LY-EWE       | B737-33R     | GetJet Airlines (a/w)         | TAR668/9      | CS-LTG     | Ce680A      | NetJets Europe               |              |
| 15. T.18-1/45-40 | Falcon 900B  | 451 Esc                       |               | D-CSAG     | EMB505      | Sudzucker Reise              | arr          |
| D-CEFO           | Ce560XLS+    | Air Hamburg                   |               | D-ITAN     | Ce525       | Eisele Flugdiest             |              |
| G-SPUR           | Ce550        | Luxaviation UK                |               | EI-LSY     | G550        | GainJet Ireland              | arr          |
| LX-JFV           | PC-12/47E    | Jetfly Aviation               |               | F-HCPE     | P180        | Pan Europeenne Air Service   |              |
| OE-FIT           | Ce510        | GlobeAir                      |               | 26. 9H-ILV | CL-850      | VistaJet Malta               | arr          |
| PH-HRK           | P180         | JetNetherlands                | 2x            | 9H-JOY     | CRJ200ER    | Air X Charter                |              |
| PH-STB           | Falcon 900C  | Exxaero                       |               | B-3999     | B737-79L    | Beijing Airlines             | arr          |
| 17. 2583         | VC-99B       | GTE                           | arr BRS056    | CS-LTG     | Ce680A      | NetJets Europe               | arr          |
| EC-MUB           | B737-86J     | AlbaStar                      | JAF815P/2815  | D-CQAJ     | Lj35A       | Quick Air Jet Charter        |              |
| EC-MUB           | B737-86J     | AlbaStar                      | JAF2816/816P  | D-CSAG     | EMB505      | Sudzucker Reise              | dep          |
| EC-MXJ           | A320-214     | Gowair                        | RAM678/27     | F-HSFJ     | Ce680A      | SFJ Aviation                 |              |
| EC-MXJ           | A320-214     | Gowair                        | RAM626/79     | LX-JFA     | PC-12/47E   | Jetfly Aviation              |              |
| ZS-GAO           | A320-231     | Corendon Airlines (a/w)       |               | 27. N770MK | G550        | Jet Aviation Flight Services | 29           |
| 19. N3389H       | Global 5000  | Hong Kong Kam Lung Investment | 23            | 28. HB-JLG | CL-350      | TAG Aviation                 | arr          |
| OM-BYC           | Fokker 100   | Government of Slovakia        | 2x SSG006     | OE-GPS     | Ce550 Bravo | Tyrol Air Ambulance          | dep          |
| TC-LSA           | A321-271N    | Turkish Airlines              | f/v THY1937/8 | PH-TXA     | Ce510       | JetNetherlands               | dep          |
| 20. 258          | Lj45         | MATS                          | dep           | VP-CLH     | G650ER      | JABJ Hong Kong               |              |
| 9H-VFB           | CL-605       | VistaJet Malta                | arr           | 31. F-HLVM | A330-202    | LEVEL                        | 10 BOS10/8   |
| 9H-YOU           | CL-850       | Air X Charter                 |               |            |             |                              |              |
| CS-LTI           | Ce680A       | NetJets Europe                | 21            |            |             |                              |              |
| D-AVIB           | ERJ135BJ     | Air Hamburg                   | arr           |            |             |                              |              |
| D-CQAB           | Lj45         | Quick Air Jet Charter         |               |            |             |                              |              |
| D-CQAJ           | Lj35A        | Quick Air Jet Charter         |               |            |             |                              |              |
| D-IAKN           | Ce525A       | Starwings                     | arr           |            |             |                              |              |
| D-IEMO           | Raytheon 390 | Privateways                   | 21            |            |             |                              |              |
| D-INCS           | Ce525        | Jetkontor                     | dep           |            |             |                              |              |
| D-ISJP           | Ce525A       | Ohlair Charterflug            |               |            |             |                              |              |
| G-LEGC           | ERJ135BJ     | Luxaviation UK                |               |            |             |                              |              |
| M-ANTA           | CL-850       | Tahtra International Holding  | arr           |            |             |                              |              |
| M-AZIA           | Ce525C       | Hunting Star                  | arr           |            |             |                              |              |
| N194ER           | Ce510        | Blue Sky Aviation             | dep           |            |             |                              |              |
| OE-HUB           | Ce750        | Bairline                      | 23            |            |             |                              |              |
| T7-UMT           | CL-605       | ACASS Canada                  | arr           |            |             |                              |              |
| 21. 9H-YOU       | CL-850       | Air X Charter                 |               |            |             |                              |              |
| D-BSUN           | Do328-310    | Sun-Air                       |               |            |             |                              |              |
| D-CFAX           | Lj60         | FAI Rent-A-Jet                | dep           |            |             |                              |              |
| LX-WEB           | Ce525B       | Jetfly Aviation               |               |            |             |                              |              |
| LY-EWE           | B737-33R     | GetJet Airlines (a/w)         | TAR668/9      |            |             |                              |              |
| M-AZIA           | Ce525C       | Hunting Star                  |               |            |             |                              |              |
| SE-RMO           | Learjet 45XR | H-Bird Aviation Services      |               |            |             |                              |              |
| 22. 9H-BSA       | BAe125-750   | Hyperion Aviation             |               |            |             |                              |              |
| 9H-VFI           | CL-605       | VistaJet Malta                | dep           |            |             |                              |              |
| M-ANTA           | CL-850       | Tahtra International Holding  |               |            |             |                              |              |
| VP-CBA           | Global 6000  | Eden Jets                     |               |            |             |                              |              |

A month with a large amount of military visitors. The Titan Boeing on the 5th was a medical diversion. On the 6th a LEVEL Airbus arrived for maintenance. The Aero4M Embraer on that same day is operating for HOP! and visited several times this month. An extraordinary NATO summit took a lot of military traffic to Brussels starting on the 5th. It is assumed that the helicopter listed in the 11th arrived at Brussels on this date. VH-3D 159351 was identified on the 12th although it is assumed that the helicopter was delivered by C-17A at the beginning of this month. The orange2Fly Airbus on the 24th was all white except for the company logo on its engines. A second LEVEL Airbus arrived for maintenance on the 31st.

Credits: Luchtzak forum, Scramble forum.

### Kleine Brogel

|          |          |                    | July 2018 |   |
|----------|----------|--------------------|-----------|---|
| 02. CE02 | ERJ135LR | 21sq (special c/s) | *         |   |
|          | CH07     | 20sq               | *         |   |
|          | ST45     | CC Air             | *         |   |
| 03. CH09 | C-130H   | 20sq               | *         |   |
|          | ST30     | CC Air             | *         |   |
| 04. CE01 | ERJ135LR | 21sq               | *         |   |
|          | CE02     | 21sq (special c/s) | *         |   |
|          | CE03     | ERJ145LR           | 21sq      | * |



In April 2002 this Airbus A320 was delivered to Nouvelair Tunisie. Since May 2016 TS-INC has been leased to Royal Air Maroc. Unfortunately the titles on its fuselage and tail logo have begun to fade away. (Brussels, 18 July 2018, Steven Picalausa)



Ecureuil 2 OO-HSN is owned by Heli Service Belgium since 2009. The AS355F2 is being operated for the Institute for Urgent Medical Care of the Sint-Janshospital at Bruges as a medical helicopter. It was caught on camera flying over Jabbeke, a municipality to the south-west of Bruges. (1 July 2018, Roeland Mentink)

|               |             |                   |    |               |           |                             |      |
|---------------|-------------|-------------------|----|---------------|-----------|-----------------------------|------|
| CH09          | C-130H      | 20sq              | *  | 03.FA109      | F-16AM    | 2w                          | *    |
| 05.13-0009    | A400M       | 221 Filo          |    | ST43          | SF260D    | CC Air                      | *    |
| 14-0013       | A400M       | 221 Filo          |    | 04.1x         | F-16AM    | 2w                          | *    |
| 16-1017/BG    | T129B       | 1 THB/Volkan F    | 12 | 1x            | SF260D/M+ | CC Air                      | *    |
| 17-1024/BG    | T129B       | 1 THB/Volkan F    | 12 | FA68          | F-16AM    | 2w                          | *    |
| 17-1025/BG    | T129B       | 1 THB/Volkan F    | 12 | 05.FA57       | F-16AM    | 2w                          | *    |
| 09.H22        | A109BA      | 17sq/1w           |    | FA68          | F-16AM    | 2w                          | *    |
| 10.1x         | A109BA      | 17sq/1w           |    | ST40          | SF260D    | CC Air                      | *    |
| H28           | A109BA      | 17sq/1w           |    | 06.4x         | F-16AM    | 2w/10w                      | *    |
| H35           | A109BA      | 17sq/1w           |    | ST40          | SF260D    | CC Air                      | *    |
| 11.H26        | A109BA      | 17sq/1w           |    | S-456         | AS532U2   | 300sq                       |      |
| H35           | A109BA      | 17sq/1w           |    | 08.N-258      | NH90-NFH  | 860sq                       | *    |
| H45           | A109BA      | 17sq/1w           |    | 09.FB15       | F-16BM    | 10w/OCU                     | *    |
| 31+33         | EF2000      | TLG31             | *  | S-456         | AS532U2   | 300sq                       |      |
| E163/705-RB   | Alpha Jet E | EAC00.314         | *  | 10.FA57       | F-16AM    | 2w                          | *    |
| E166/705-RW   | Alpha Jet E | EAC00.314         | *  | FA68          | F-16AM    | 2w                          | *    |
| 13-0009       | A400M       | 221 Filo          | 12 | ST41          | SF260D    | CC Air                      | *    |
| 16-0055       | A400M       | 221 Filo          | 12 | 11.ST41       | SF260D    | CC Air                      | *    |
| 13.ST47       | SF260D      | CC Air            | *  | 12.H29        | A109BA    | 17sq/1w (demo mks)          | *    |
| 16.CH04       | C-130H      | 20sq              | *  | D-HDDL        | EC135P+   | MFG5                        |      |
| MM81868/15-05 | HH-101A     | 81°Centro AE      | *  | MM81868/15-05 | HH-101A   | 81°Centro AE                | *    |
| D-890         | CH-47F      | 298sq             | *  | D-106         | CH-47D    | 298sq                       | *    |
| 17.1x         | SF260D/M+   | CC Air            | *  | Q-29          | AH-64DN   | 301sq                       | *    |
| 18.CH04       | C-130H      | 20sq              | *  | 13.N-317      | NH90-NFH  | 860sq                       | *    |
| E42/705-TA    | Alpha Jet E | EAC00.314         | *  | 16.H29        | A109BA    | 17sq/1w (demo mks)          | *    |
| E148/705-LU   | Alpha Jet E | EAC00.314         | *  | MM81868/15-05 | HH-101A   | 81°Centro AE                | *    |
| E166/705-RW   | Alpha Jet E | EAC00.314         | *  | D-106         | CH-47D    | 298sq                       | *    |
| 19.CH04       | C-130H      | 20sq              | *  | Q-29          | AH-64DN   | 301sq                       | *    |
| ST43          | SF260D      | CC Air            | *  | G-ONAA        | OV-10B    | Bronco Demo Team (as 99+26) | *    |
| 08-8202       | C-17A       | 62nd AW           | *  | 17.FA131      | F-16AM    | 10w                         | *    |
| 20.CH05       | C-130H      | 20sq              | *  | 18.RN07       | NH90-TTH  | 18sq/1w                     | *    |
| H38           | A109BA      | 17sq/1w           | *  | SP-FGR        | An-2R     | Pairi Daiza                 | *    |
| ST41          | SF260D      | CC Air (grey c/s) | *  | 19.ST12       | SF260M+   | CC Air                      | *    |
| ST44          | SF260D      | CC Air (grey c/s) | *  | 20.FA87       | F-16AM    | 10w                         | 2x * |
| 21.FA101      | F-16AM      | 2w (demo c/s)     | *  | FA103         | F-16AM    | 10w                         | 2x * |
| 23.ST41       | SF260D      | CC Air (grey c/s) | *  | FA116         | F-16AM    | 10w (NTM18 mks)             | 2x * |
| 25.ST41       | SF260D      | CC Air (grey c/s) | *  | FA123         | F-16AM    | 10w                         | 2x * |
| 26.1x         | SF260D/M+   | CC Air            | *  | 23.FB18       | F-16BM    | 10w                         | 2x * |
| 30.FA101      | F-16AM      | 2w (demo c/s)     | *  | 24.H46        | A109BA    | 17sq/1w                     |      |
| FB21          | F-16BM      | 2w                | *  | FA84          | F-16AM    | 2w                          | *    |
| 31.ST41       | SF260D      | CC Air (grey c/s) | *  | FA86          | F-16AM    | 2w                          | *    |
| 84-0087       | C-21A       | 76th AS           |    | 25.FB21       | F-16BM    | 2w                          | *    |
|               |             |                   |    | ST47          | SF260D    | CC Air                      | *    |
|               |             |                   |    | 26.RN08       | NH90-TTH  | 18sq/1w                     | *    |

On the 5th, two Turkish A400M's transported three T129B's to Kleine Brogel. These helicopters took part in a multinational flypast above the NATO Headquarters at Brussels. They returned home again in two A400M's on the 12th.

Credits: Toon Cox, Quinn Loots, Tim van den Boer.

### Koksijde

|         |        |                    | July 2018 |           |            |           | July 2018 |
|---------|--------|--------------------|-----------|-----------|------------|-----------|-----------|
| 01.H29  | A109BA | 17sq/1w (demo mks) |           | 02.D-HBWH | Bo105CBS5  | Air Lloyd |           |
| 02.FA68 | F-16AM | 2w                 | *         | F-HASJ    | Ce510      | Astonjet  |           |
| FA109   | F-16AM | 2w                 | *         | 04.F-HITM | Beech 400A | Air ITM   | dep       |

### Liège

|           |            |           | July 2018 |           |            |           | July 2018 |
|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|
| 02.D-HBWH | Bo105CBS5  | Air Lloyd |           | 02.D-HBWH | Bo105CBS5  | Air Lloyd |           |
| F-HASJ    | Ce510      | Astonjet  |           | F-HASJ    | Ce510      | Astonjet  |           |
| 04.F-HITM | Beech 400A | Air ITM   | dep       | 04.F-HITM | Beech 400A | Air ITM   | dep       |

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|            |             |                         |                 |           |              |                        |                  |
|------------|-------------|-------------------------|-----------------|-----------|--------------|------------------------|------------------|
| G-MOCL     | CL-604      | Luxaviation UK          | LNx20CL         | OO-JCV    | PC-12/47E    | Nextgen Partners       | 2x               |
| 02.FA68    | F-16AM      | 2w                      | *               | OO-JWB    | PC-12/47E    | Nextgen Partners       |                  |
| FA109      | F-16AM      | 10w                     | *               | OY-HJB    | EC155B1      | NHV                    |                  |
| EC-KBZ     | Ce550       | Gestair                 | 16              | 19.CS-TRJ | A321-231     | 21sq                   | BAF634           |
| ER-BBJ     | B747-412F   | Aerotrans Cargo         | ATG2277/6604    | 20.G-IWFC | A109SP       | GB Helicopters         |                  |
| G-TGPG     | B737-3Y0    | 2 Excel Aviation        | f/v 04 BRO37A   | OO-JPT    | B737-8K5     | TUI Belgium            | f/v JAF4154/5071 |
| OM-ACJ     | B747-433(F) | Air Cargo Global        | f/v CCC36P/4718 | OO-JWB    | PC-12/47E    | Nextgen Partners       |                  |
| PH-TXA     | Ce510       | JetNetherlands          | 03              | 22.M-BELL | PC-12/47E    | B L Bell               |                  |
| 03.PH-TXA  | Ce510       | JetNetherlands          |                 | 23.D-ASBG | Falcon 900LX | Airservices Bremgarten |                  |
| TF-AMU     | B747-48EF   | Astral Aviation         | 04 ACP2601/4721 | F-HELA    | ERJ145EU     | Enhance Aero           | SVB985/6         |
| 04.CS-DXY  | Ce560XLS    | NetJets Europe          |                 | G-PKHA    | PC-12/47E    | Pilatus Beheer         | 24               |
| 05.CS-DQA  | Ce560XLS    | NetJets Europe          |                 | OE-FFB    | Ce510        | GlobeAir               | 24 GAC877Z/858N  |
| D-CCAA     | Lj35A       | DRF                     | AMB307          | OO-JWB    | PC-12/47E    | Nextgen Partners       |                  |
| OO-HCAE    | AS355N      | Heli & Co               |                 | 24.OY-HJB | EC155B       | NHV                    | arr              |
| TF-AMU     | B747-48EF   | Astral Aviation         | ACP4722/3       | 25.F-HCEV | Beech B200GT | DGAC                   | 26 2x            |
| 06.CS-GLB  | Global 6000 | NetJets Europe          | NJE512D/505D    | G-PHKA    | PC-12/47E    | Pilatus Beheer         | 26               |
| D-ISIS     | Ce525(M2)   | Artemed Aviation        | 08              | 26.D-IADV | Ce551        | Advance Air            | tst              |
| F-HCPB     | Ce525       | Bleu Azur               |                 | ER-BBJ    | B747-412F    | Aerotrans Cargo        | ATG6620/1        |
| OO-NSR     | H175        | NHV                     | del             | F-HCEV    | Beech B200GT | DGAC                   | 27               |
| 07.9H-FOM  | EMB500      | Luxwing                 | LWG591/502      | M-ARTY    | PC-12/47E    | Creston (UK)           | arr              |
| G-TXTV     | A109E       | Arena Aviation          |                 | 28.HB-IHY | A320-214     | Edelweiss Air          | EDW1331/5331     |
| HB-JLG     | CL-350      | TAG Aviation            | FPG288          | N194ER    | Ce510        | Blue Sky Aviation      | 30               |
| OE-FOA     | Ce525A      | Avcon Jet               | AOJ46D          | 30.D-IGCS | Beech C90GTx |                        |                  |
| 08.N740CK  | B747-4H6F   | Kalitta Air             | 10 CKS9585/208  | EC-KES    | Ce525A       | Taespejo Portugal      |                  |
| OO-HCE     | AS355N      | Heli & Co               |                 | ER-BAM    | B747-409F    | Aerotrans Cargo        | 31 ATG2282/3     |
| 09.EC-GXJ  | SA226TC     | Flightline              | 2x FTL001/2     | HB-JWA    | CL-650       | REGA                   | SAZ051/052       |
| G-KALS     | CL-300      | Sovereign Business Jets | 10              | OO-JWB    | PC-12/47E    | Nextgen Partners       | 31               |
| 10.5441/VO | AS555AN     | EG03.067                |                 | TF-AMU    | B747-48EF    | Astral Aviation        | ACP2637/2617     |
| 41yl       | An-2        | 1.Eskadrill             | 11              | 31.CS-TRJ | A321-231     | 21sq                   | 2x BAF634        |



The 1st Air Cavalry Brigade from Fort Hood (TX) deployed to Europe at the end of 2017, in relation to Operation Atlantic Resolve. They returned their choppers to their home in Texas via Zeebrugge. Pictured CH-47F Chinook 15-08181, operated by 2-227th AVN, was one of them. (Zeebrugge, 3 July 2018, Nik Deblauwe)

|           |               |                               |                 |   |  |                         |             |
|-----------|---------------|-------------------------------|-----------------|---|--|-------------------------|-------------|
| CS-DFK    | Falcon 2000EX | NetJets Europe                | NJE093/         | LX-EBE  | Ce560XLS   | Flying Group Luxembourg | tst         |
| M-ARTY    | PC-12/47E     | Creston (UK)                  |                 | LX-LGM  | DHC-8-402  | Luxair                  | div LGL4591 |
| 11.ER-BBJ | B747-412F     | Aerotrans Cargo               | 12 ATG6611/2    | OO-JWB  | PC-12/47E  | Nextgen Partners        | 01          |
| 12.9H-SKF | Falcon 7X     | TAG Aviation (Malta)          | 15              | <u>EgyptAir Cargo:</u>  |  |                         |             |
| 13.F-HRGD | ERJ145LU      | Aero4M                        | AEH372F/152F    | SU-GAS  | 01, 03, 05, 08, 12, 15, 19, 27                         |                         |             |
| N5MV      | Falcon 900EX  | Bloomberg Services            | 15              | SU-GAY  | 10, 22, 24, 29   |                         |             |
| N711WV    | Falcon 900B   | Ross Airplane                 | 15              | <u>TUI Belgium:</u>   |  |                         |             |
| OO-PCI    | PC-12/47E     | European Aircraft Privat Club |                 | OO-JAD  | 06-19 daily  |                         |             |
| UR-CGV    | An-12BP       | Ukraine Air All.              | 14 UKL5027/4071 | OO-JAV  | 01, 02, 03, 04, 05, 17, 18, 19, 20, 21, 22, 24, 25, 26 |                         |             |
| 14.F-HRAV | ERJ145LU      | Aero4M                        | AEH561F/372     | OO-JBG  | 05/06  |                         |             |
| G-ZENJ    | Lj75          | Zenith Aviation               | BZE1A/B         | OO-JLO  | 10, 11, 11/12  |                         |             |
| HB-JLG    | CL-350        | TAG Aviation                  |                 | OO-JPT  | 20-26 daily  |                         |             |
| LX-LAB    | PC-12/45      | Jetfly Aviation               |                 | OO-JVA  | 04-19 daily  |                         |             |
| 15.LX-JFH | PC-12/45      | Jetfly Aviation               | 16              | OO-TEA  | 01-04, 20-31 daily                                     |                         |             |
| M-ARTY    | PC-12/47E     | Creston (UK)                  |                 | OO-TMA  | 27-31 daily  |                         |             |
| OO-JWB    | PC-12/47E     | Nextgen Partners              | 16              | OO-TMB  | 01-07, 10-31 daily                                     |                         |             |
| 17.D-CAWR | Ce560 Encore+ | Aerowest                      |                 | OO-TMY  | 03-10 daily, 27, 28                                    |                         |             |
| G-NIKO    | A321-231      | Thomas Cook Airlines          | div TCX1461     | OO-TUV  | 13, 14, 30/31  |                         |             |
| OO-JWB    | PC-12/47E     | Nextgen Partners              | 18              | The Heli & Co helicopter on the 5th carried a DHL sticker on its fuselage. The newly delivered H175 on the 6th was ferried to its new base Aberdeen via Norwich on the 13th. The Thomas Cook Airbus on the 17th diverted to Ostend while on its way from Kefalonia, Greece to Gatwick. On the 31st a Cessna on a test flight and Luxair on a London City diversion. |  |                         |             |
| OO-PCJ    | PC-12/47E     | EAPC                          |                 | <u>Credits:</u> Replo.be. Nik Deblauwe, Andre Deblauwe.   |  |                         |             |
| 18.F-GZTD | B737-73V      | ASL Airlines France           | FPO807F/807     |   |  |                         |             |
| F-HRAV    | ERJ15LU       | Aero4M                        | AEH562          |   |  |                         |             |
| M-ARTY    | PC-12/47E     | Creston (UK)                  | 24              |   |  |                         |             |
| OO-CFW    | PC-12/47E     | Nextgen Partners              |                 |   |  |                         |             |

# Civil News



Boeing brought the first Dreamliner destined for Bangladesh Airlines as S2-AJS to Farnborough. The aircraft is seen here doing its demonstration flight with US registration N1015B. In the last couple of years Boeing always demonstrated the larger versions of the 787 (the 787-9 and 787-10) at the major trade shows Le Bourget and Farnborough, so it was quite a surprise that they demonstrated a 787-8 at this year's show. Probably they want to raise new and more interest in the shorter 787-8 now that they have improved the manufacturing of the 787-8, to bring it more in line with the 787-9 and 787-10 production (see Manufacturers News Scramble 468 - Page 39). The aircraft was ferried back to Everett (WA) after the air show and was finally delivered to Dhaka on 18 August. (Farnborough, 16 July 2018, Malcolm Nason)

## Airliner News

### Asia

#### Bangladesh

Biman Bangladesh Airlines has acquired three DHC-8-400s, which are expected to be delivered in 2020.

#### Indonesia

TransNusa will lease three additional ATR72-600s. The BAe146s and Fokker 70 will leave the fleet, as the airline moves to become an all ATR-operator.

#### Nepal

Shree Airlines will add three DHC-8-400s to its fleet of four CRJs.

#### Philippines

Cebu Pacific Air has finalised a deal with lessor Avalon over the lease of five A320neos. The aircraft are expected to be delivered in 2019.

### Latin America

#### Peru

Peruvian Airlines expects to add four B737-300s before the end of the year to cope with the international ambitions of the airline. With those additions to the airline, the number of B737s is expanded from twelve to sixteen.

### North America

As American Airlines will raise the number of seats in its B737-800s and A321s it will defer delivery of 22 A321neos to 2024, as the increase in seats means that the new aircraft are not needed yet.

## Jetliners

|      |            |             |        |  |
|------|------------|-------------|--------|--|
| A318 | -112 (ACJ) | <b>3363</b> | D-APWG | K5-Aviation, ex B-7777 of Minth Group. Delivered on 28 July.   |
| A319 | -112       | <b>1916</b> | EP-THB | Tehran Air, ex UR-CQR of Taban Air. Delivered in July. Aircraft was operated for Taban Air by Khors Aircompany.                                  |
| A320 | -115       | <b>2762</b> | D-ASTO | Germania, ex B-6229 of Chengdu Airlines. Delivered on 27 July.   |
|      | -211       | <b>662</b>  | YL-LCN | SmartLynx, ex easyJet, Returned from lease on 16 July.   |
|      | -232       | <b>2097</b> | VT-IHW | IndiGo, ex A7-ADF of Qatar Airways. Delivered on 17 August. Registered in between as OE-IAV of Castl lake.                                       |
|      | -214       | <b>2388</b> | VT-IHT | IndiGo, ex EC-JFF of Vueling Airlines. Delivered on 11 August. Registered in between as EI-GGU of Wings Capital Partners.                        |
|      | -214       | <b>2668</b> | D-ASGK | Sundair, ex D-ABHI of Air Berlin. Delivered on 10 August.  |
|      | -214       | <b>3422</b> | D-ABDT | Eurowings, ex Air Berlin. Delivered on 17 August. The aircraft was supposed to be delivered to NIK as OE-LOA, but the aircraft was not taken up. |
|      | -214       | <b>4057</b> | N259NV | Allegiant Air, ex HZ-AS12 of Saudia - Saudi Arabian Airlines. Delivered on 8 August.   |
|      | -214       | <b>4394</b> | OE-IGT | GECAS - General Electric Capital Aviation Services, ex HZ-AS37 of Saudia - Saudi Arabian Airlines. Registered in the US on 27 July.              |
|      | -214       | <b>4397</b> | OE-IGU | GECAS - General Electric Capital Aviation Services, ex HZ-AS34 of Saudia - Saudi Arabian Airlines. Registered in the US on 27 July.              |
|      | -214       | <b>7779</b> | HB-JXK | easyJet Switzerland, ex G-EZRL of easyJet. Transferred on 30 July.   |
|      | -271N      | <b>8249</b> | D-AINK | Lufthansa. Delivered on 30 July. Test registration was D-AVVB.   |
|      | -251N      | <b>8338</b> | G-UZJH | easyJet. Delivered on 10 August. Test registration was D-AUBH.   |
|      | -251N      | <b>8356</b> | G-UZHK | easyJet. Delivered on 9 August. Test registration was D-AUBU.  |

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|      |         |              |          |   |
|------|---------|--------------|----------|---|
|      | -271N   | <b>8383</b>  | D-AINL   | Lufthansa. Delivered on 17 August. Test registration was D-AXAU.  |
|      | -214    | <b>8428</b>  | HZ-AS79  | Saudia - Saudi Arabian Airlines. Delivered on 16 August. Test registration was D-AUBI.  |
| A321 | -231    | <b>3575</b>  | VQ-BRO   | Nordwind Airlines, ex G-OZBU of Monarch Airlines. Delivered on 23 August.   |
|      | -271N   | <b>8090</b>  | P4-KDE   | Air Astana. Delivered on 28 July. Test registration was D-AVYZ.   |
|      | -251N   | <b>8288</b>  | OY-PAD   | Primera Air Scandinavia. Delivered on 31 July. Test registration was D-AVYJ.  |
|      | -251N   | <b>8312</b>  | OY-PAE   | Primera Air Scandinavia. Delivered on 14 August. Test registration was D-AVZS.  |
|      | -251NX  | <b>8369</b>  | G-UZMB   | easyJet. Delivered on 23 August. Test registration was D-AZAD.  |
|      | -231    | <b>8401</b>  | OH-LZU   | Finnair. Delivered on 27 July. Test registration was D-AZAH.  |
| A330 | -202    | <b>211</b>   | CS-TQP   | XL Airways France, ex Hi Fly. Delivered on lease on 21 June.  |
|      | -203    | <b>472</b>   | EI-GEW   | I Fly, ex CDB Aviation. Delivered on 4 August. Former PT-MVG of TAM Brasil.   |
|      | -243    | <b>491</b>   | TC-OCM   | Saudia - Saudi Arabian Airlines, ex Onur Air. Delivered on lease early July.  |
|      | -243    | <b>525</b>   | TC-OCO   | Onur Air, ex OE-IER of Hong Kong Aviation Capital. Delivered on 7 August. Former A6-EAP of Emirates.  |
|      | -243    | <b>525</b>   | TC-OCO   | Saudia - Saudi Arabian Airlines, ex Onur Air. Delivered on lease 10 August.   |
|      | -243F   | <b>600</b>   | SU-GCE   | EgyptAir, ex EgyptAir. Re-delivered after freighter conversion at Dresden on 4 August.  |
|      | -243F   | <b>1032</b>  | D-       | EAT Leipzig, ex A6-DCA of Etihad Airways. On order.   |
|      | -223    | <b>1221</b>  | TC-LOI   | Turkish Airlines, ex VP-BYV of Nordwind Airlines. Returned to Turkish Airlines early May 2018 and returned to service with Turkish on 7 August.                                       |
|      | -243F   | <b>1524</b>  | D-ALMA   | EAT Leipzig, ex A6-DCD of Etihad Airways. Delivered on 14 August.   |
|      | -343E   | <b>1843</b>  | B-1004   | Lucky Air. Delivered on 10 August. Test registration was F-WWCI.  |
|      | -343E   | <b>1849</b>  | B-302D   | Tianjin Airlines. Delivered on 8 August. Test registration was F-WWYE and B-005E.   |
|      | -343E   | <b>1855</b>  | B-1048   | Hainan Airlines. Delivered on 27 July. Test registration was F-WWCK.  |
|      | -202    | <b>1882</b>  | F-HLVM   | LEVEL. Delivered on 31 July. Test registration was F-WWCG.  |
| A340 | -313X   | <b>387</b>   | YA-KMH   | Kam Air (addition Scramble 471 – Page 46)   |
|      | -313E   | <b>556</b>   | HB-JMD   | Edelweiss Air, ex Swiss. Transferred on 13 August.  |
|      | -313E   | <b>921</b>   | OO-ABD   | Air Belgium, ex F-WXAI of Airbus Asset Management. Delivered on 15 August. Former OH-LQD of Finnair.  |
| A350 | -941    | <b>60</b>    | B-301D   | Sichuan Airlines. Delivered in a special "Panda" colour scheme on 8 August. First A350 for Sichuan. Airframe originally intended for SriLankan. Test registration was F-WZFK.         |
|      | -941    | <b>167</b>   | B-1086   | Air China. Delivered on 7 August. First A350 for Air China. Test registration was F-WZHG.   |
|      | -941    | <b>227</b>   | EC-MYX   | Iberia Líneas Aéreas de España. Delivered on 27 July. Test registration was F-WZHC.   |
|      | -941    | <b>228</b>   | RP-C3503 | Philippines - Philippine Airlines. Delivered on 14 August. Test registration was F-WZNZ.  |
| A380 | -841    | <b>255</b>   | 9V-SKZ   | Singapore Airlines. Delivered on 27 July. Test registration was F-WWAM.   |
| B737 | -322    | <b>24717</b> | UR-CRL   | Dream Wind, ex TT-DHC of Felix Airways. Delivered in July.  |
|      | -436SF  | <b>25407</b> | N407AU   | Kalitta Charters II, ex Automatic LLC. Delivered after freighter conversion on 7 August. Former G-DOCF of British Airways.  |
|      | -3H4    | <b>26571</b> | LZ-MVK   | Air Lubo - ALK Airlines, ex N360SW of Southwest Airlines. Delivered on 27 July.   |
|      | -522    | <b>26684</b> | UP-B3723 | SCAT, ex LY-AWE of the same company. Reregistered late July. The aircraft was leased by SCAT from Small Planet Airlines.  |
|      | -36N    | <b>28669</b> | 9H-LBI   | Wings of Lebanon, ex Hyperion Aviation. Delivered on lease on 11 August. Aircraft was delivered to Hyperion Aviation early this summer. Aircraft is former PZ-TCO of Surinam Airways. |
|      | -490SF  | <b>28886</b> | OE-IAM   | ASL Airlines Belgium, ex N791AS of Alaska Airlines. Delivered after freighter conversion on 26 July.  |
|      | -524    | <b>28916</b> | VQ-BOO   | ?, ex EI-UNH of Transaero Imperial. Delivered on 31 July.   |
|      | -81Q    | <b>29051</b> | EI-FFK   | AlbaStar, ex Air Italy. Delivered on 14 August.   |
|      | -34SSF  | <b>29108</b> | B-1110   | Longhao Airlines (addition Scramble 471 – Page 47)  |
|      | -8D6BCF | <b>30202</b> | 7T-VJJ   | Air Algérie. Re-delivered after freighter conversion at Jinan on 29 July.   |
|      | -8AL    | <b>35070</b> | N276EA   | Swift Air, ex Smartwings. Returned from summer lease on 3 August.   |
|      | -8JP    | <b>37817</b> | HL8305   | Jeju Air, ex EI-FJI of Norwegian. Delivered on 30 July.   |



The first corporate jet version of the A320 NEO rolled out of the factory at Hamburg-Finkenwerder this summer. The aircraft is marketed by Airbus as ACJ320NEO. The aircraft is scheduled to be delivered to Farnborough based Acropolis Aviation as G-KELT in the fourth quarter of this year, after which the aircraft will be outfitted by Swiss company AMAC Aerospace in Basel. It will be outfitted with a nineteen seat-cabin and a private master bedroom with luxury en-suite bathroom. AMAC is scheduled to complete the project within twelve months. Airbus has secured nine orders for the ACJ320NEO family, of which three are the smaller ACJ319NEO variant. (Airbus, Hamburg-Finkenwerder, 15 August 2018)

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LEVEL is the long-haul low cost airline from the British Airways led International Consolidated Airlines Group (IAG). The airline started operations in summer 2017 and currently operates three Spanish registered A330-200s from Barcelona and two French registered A330-200s from Paris-Orly. The services from Barcelona are operated under Iberia's AOC (air operator certificate) and flight codes, while the services from Paris-Orly are operated under AOC of IAG subsidiary OpenSkies. The LEVEL A330-200s are configured in two classes: economy (293 seats) and premium-economy (21 seats) and the airline offers in-flight catering and entertainment, wi-fi and checked luggage options. LEVEL also participates in IAG's Avios loyalty scheme. In the summer of 2018 LEVEL also started short-haul, low-cost flights from a new base at Vienna, operated by a new Vueling subsidiary, Anisec Luftfahrt with its own Austrian AOC with an initial fleet of four Austrian registered Airbus A321's. Seen here is Airbus A330-200 EC-MYA, which was delivered to the airline in June 2018. It arrived at Brussels on 6 July 2018 for maintenance using an Iberia flightnumber. (Steven Picalausa)

|      |          |              |        |   |
|------|----------|--------------|--------|---|
|      | -800     | <b>41230</b> | VQ-BHR | Aeroflot. Delivered on 20 August. Line # 7071.  |
|      | -8       | <b>42832</b> | LN-BKA | Norwegian. Delivered on 13 August. Line # 7040.   |
|      | -8       | <b>42833</b> | LN-BKB | Norwegian. Delivered on 16 August. Line # 7042.   |
|      | -8       | <b>60032</b> | TC-LCA | Turkish Airlines. Delivered on 17 August. First 737 MAX for Turkish Airlines. Line # 7048.      |
|      | -800     | <b>60177</b> | VP-BSQ | Nordwind Airlines. Delivered on 28 July. Line # 6969.   |
|      | -800     | <b>60180</b> | VP-BSZ | Nordwind Airlines. Delivered on 1 July. Line # 7063.  |
|      | -800     | <b>60591</b> | EC-MXM | Air Europa. Delivered on 30 July. Line # 7072.  |
|      | -8       | <b>60974</b> | A6-FMF | FlyDubai. Delivered on 1 August. Line # 7018.   |
|      | -800     | <b>63704</b> | TC-CRF | Pegasus Airlines. Delivered on 27 July. Line # 7061.  |
|      | -800     | <b>63705</b> | TC-CRG | Pegasus Airlines. Delivered on 1 August. Line # 7076.   |
| B747 | -4H6BDSF | <b>25700</b> | TF-AMM | Astral Aviation, ex Air Atlanta Icelandic. Delivered on lease on 30 July.                       |
|      | -4R7F    | <b>29731</b> | LX-OCV | Cargolux, ex Cargolux Italia. Returned to Cargolux after three Italian years on 29 June.        |
|      | -422     | <b>30023</b> | 5N-ADM | MaxAir, ex N128UA of United Airlines. Delivered on 2 August.                                    |
|      | -41R     | <b>32746</b> | ER-BAE | Flynas, ex Terra Avia. Delivered on Hajj lease on 12 July.                                      |
|      | -4B5F    | <b>32809</b> | N715CK | Kalitta Air, ex HL7434 of Korean Air. Delivered on 11 August.                                   |
| B757 | -223     | <b>25731</b> | VQ-BKK | Aviastar-TU, ex N689AA of American Airlines. Delivered on 12 August.                            |
|      | -2B7SF   | <b>27245</b> | B-205S | SF Airlines, ex N937UW of American Airlines. Delivered after freighter conversion on 21 August. |
|      | -2B7SF   | <b>27806</b> | B-602L | SF Airlines, ex N941UW of American Airlines. Delivered after freighter conversion on 17 August. |
| B767 | -33AER   | <b>25535</b> | UR-AZD | Azur Air Ukraine, ex D-AZUC of Azur Air Germany. Transferred to Ukraine on 20 August.           |
|      | -3Q8ER   | <b>28206</b> | LV-ZYV | LATAM Airlines Argentina, ex CC-CML of LATAM Airlines Chile. Transferred on 21 August.          |
|      | -34PER   | <b>33048</b> | CS-TSU | euroAtlantic Airways, ex B-2491 of Hainan Airlines. Delivered on 8 August.                      |



EuroAtlantic acquired a "new" Boeing 767-300ER this summer. The aircraft is former Hainan Airlines B-2491 and is seen here arriving at Shannon, still in full Hainan colours but already with its new CS-TSU registration. At Shannon the aircraft was painted into euroAtlantic colours, delivered to Lisbon on 8 August. The aircraft was immediately placed it on a lease to flyNas. (5 July 2018, Malcolm Nason)



Widerøe is the launch customer of the new Embraer E2-jet family, of which it ordered twelve. Embraer launched the E-jet E2 family at the Paris Air Show in 2013, to replace the predecessor E-jet family. Contrary to the GE CF34 powered "1st" generation E-jets, the E2 is powered by Pratt & Whitney's Geared Turbofan engines, which offer 12-15% better fuel burn. Besides these new engines other improvements to the E2 are new wing aerodynamics, full fly-by-wire flight controls and all kinds of advancements in other systems. The E190-E2 has the same size as the E190-E1, while the E175-E2 and E195-E2 have a stretched fuselage. There will not be an E2 version of the smallest E170. As of late summer 2018 Embraer has received 240 fixed orders, 75 options and 422 Letters of Intent (LoI) for the new E2 family. Widerøe – a long time operator of only Dash 8s - took delivery of its first E190-E2 on 6 April 2018 and was the first airline to take it into service. Seen here is LN-WEA, the first of the three E190-E2s currently delivered to the airline. (Tromsø, 25 June 2018, Marco van Halum)

|         |        |                 |         |  |
|---------|--------|-----------------|---------|--|
|         | -34PER | <b>33048</b>    | CS-TSU  | flyNas, ex euroAtlantic Airways. Immediately placed on a lease to Flynas on 8 August.  |
|         | -300F  | <b>62500</b>    | N165FE  | FedEx Express. Delivered on 3 August. Line # 1157.   |
| B777    | -212ER | <b>28529</b>    | 5N-BVY  | Med-View Airline (addition Scramble 471 – Page 47).  |
|         | -35EER | <b>32644</b>    | ZK-OKT  | Air New Zealand, ex B-16717 of EVA Air. Delivered on 4 August.   |
|         | -2U8ER | <b>33683</b>    | N783KW  | KMW Leasing, ex 5Y-KQS of Kenya Airways. Registered in the US on 2 August. Aircraft has been stored at Nairobi since 2 January 2015.       |
|         | -300ER | <b>42362</b>    | A6-EQN  | Emirates. Delivered on 3 August. Line # 1564.  |
|         | -300ER | <b>64087</b>    | A7-BET  | Qatar Airways. Delivered on 7 August. Line # 1561.   |
| B787    | -9     | <b>36239</b>    | VH-ZNF  | QANTAS. Delivered on 18 August. Line # 742.  |
|         | -9     | <b>37129</b>    | 9V-OJH  | Scoot. Delivered on 26 July. Line # 695.   |
|         | -9     | <b>38793</b>    | ET-AUR  | Ethiopian Airlines. Delivered on 11 August. Line # 739.  |
|         | -9     | <b>38803</b>    | B-1169  | China Southern Airlines. Delivered on 22 August. Line # 737.   |
|         | -9     | <b>39982</b>    | A9C-FC  | Gulf Air. Delivered on 28 July. Line # 721.  |
|         | -8     | <b>40126</b>    | S2-AJS  | Biman Bangladesh Airlines. Delivered on 18 August. First 787 for Biman and Boeing's 787 demonstrator at Farnborough this year. Line # 726. |
|         | -9     | <b>42506</b>    | PH-BHP  | KLM Royal Dutch Airlines. Delivered on 16 August. Line # 740.  |
|         | -9     | <b>61521</b>    | JA897A  | ANA - All Nippon Airways. Delivered on 26 July. Line # 732.  |
|         | -9     | <b>63312</b>    | LN-     | Norwegian, ex G-CKNY of Norwegian UK. Reregistered in Norway on 13 August.   |
|         | -9     | <b>63394</b>    | 4X-EDF  | El Al Israel Airlines. Delivered in a 70th Anniversary retro colour scheme on 13 August.   |
|         | -9     | <b>63982</b>    | B-1128  | China Southern Airlines. Delivered on 25 July. Line # 725.   |
| CRJ     | 900    | <b>15231</b>    | EI-GEB  | CityJet, ex OY-KFF of SAS / Cimber. Delivered on 27 July.  |
|         | 1000   | <b>19054</b>    | 9H-MPA  | Binter Canarias, ex EC-MPA of Air Nostrum. Transferred on 3 August. Operates for Binter Canarias.  |
| CS A220 | -300   | <b>55036</b>    | HB-JCP  | Swiss. Delivered on 20 August.   |
| ERJ     | 145EP  | <b>145070</b>   | SE-DZA  | Regourd Aviation, ex G-RJXR of BMI Regional. Delivered as G-RJXR on 15 August. Operated by Aero4M.   |
|         | 135BJ  | <b>14500966</b> | N200KP  | Legacy 966 Inc. Trustee, ex N966JS. Re-registered on 21 August.  |
|         | 135BJ  | <b>14501071</b> | VN-A268 | Vietstar Airlines, ex N898JS of Bharat Hotels Ltd. Delivered in July.  |
|         | 135BJ  | <b>14501122</b> | N742SP  | Our Plane LLC, ex T7-UBS of SkyJet Aviation Services. Registered on 14 August.   |
|         | 135BJ  | <b>14501233</b> | D-ATOP  | Air Hamburg Private Jets. Delivered on 31 July.  |
|         | 190AR  | <b>19000230</b> | VP-BZI  | Pegas Fly, ex 2-CYAJ of Aldus Portfolio Leasing Ltd. Delivered on 8 August.  |
|         | 195AR  | <b>19000240</b> | SP-LNI  | LOT Polish Airlines, ex PR-AYC of Azul Linhas Aéreas Brasileiras. Delivered on 18 August.  |
|         | 190AR  | <b>19000259</b> | VP-BZJ  | Pegas Fly, ex N982TA of Wells Fargo Trust Co NA Trustee. Delivered on 18 August.   |
|         | 195AR  | <b>19000669</b> | SP-LNM  | LOT Polish Airlines, ex PR-AUD of Azul Linhas Aéreas Brasileiras. Delivered on 28 July.  |

Credits: Airfleets, Airline-List, Flightglobal, Planespotters and Skyliner.

## Commuters

|       |       |            |        |   |
|-------|-------|------------|--------|---|
| ATR42 | -320  | <b>264</b> | C-GVGX | Air North, ex HB-AFF of ASL Airlines Switzerland. Delivered on 14 August.     |
|       | -320  | <b>333</b> | F-HBCS | Chalair, ex CS-DVL of Lease Fly. Back with Chalair and registered on 29 June. |
|       | -500  | <b>542</b> | SX-TEN | Sky Express, ex F-GPYL of HOP!. Delivered on 3 July as F-GPYL.                |
| ATR72 | -212A | <b>785</b> | OK-NFV | CSA Czech Airlines, ex OY-YBN of Billund Leasing I Ltd. Per 31 July.          |

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|       |      |            |        |   |
|-------|------|------------|--------|---|
| DHC-6 | -200 | <b>45</b>  | N94MG  | UMB Bank NA Trustee, ex 9A-TOC of European Coastal Airlines. Registered on 30 July. |
| Saab  | 340B | <b>219</b> | ES-NSA | NyxAir, ex N219AE of Wells Fargo Bank. Delivered on 22 August.                      |
|       | 340B | <b>248</b> | ES-NSC | NyxAir, ex SE-KXD of NextJet. Delivered in June.                                    |

## Propliners

|                     |       |              |          |   |
|---------------------|-------|--------------|----------|---|
| Curtiss             | C-46F | <b>22521</b> | N1822M   | Everts Air Fuel, one of the many casualties in last month's issue of Propliners, had a serious mishap at the airstrip at Manley Hot Springs (AK). An Everts crew went out there to dismantle the airplane. They had returned the main fuselage by barge back to their Fairbanks base before the end of July, and the other parts were trucked and flown back. It will be a long project, but they hope to fit another forward section to this frame and have her back in the air. #SalmonEllasNoseJob |
| De Havilland DH.89A |       | <b>6782</b>  | N683DH   | Historic Flight Foundations Dragon Rapide, painted as 'G-AHXW Railway Air Service', crashed at the air show in Abbotsfort (BC) on 11 August 2018.   |
| DHC                 | 2     | <b>763</b>   | ZK-SBV   | Air Charter Karamea. Made a first flight after reassembly at Motueka on 31 July 2018. Painted in a retro kind of colour scheme. Ex VH-SYS.  |
|                     | 2     | <b>1022</b>  | N323KT   | K2 Aviation. Crashed during a sightseeing flight from Talkeetna (AK) on 4 August 2018. See Dustpan & Brush for more details.  |
|                     | 2     | <b>1130</b>  | N770TH   | Hans Munich, noted at Campbell River (BC) on 12 August. This is former C-GAQJ that was cancelled from the Canadian register on 20 July.   |
| Douglas             | C-47  | <b>4785</b>  | C-FFAY   | Bought by Basler Turbo Conversions, registration cancelled from Canada as exported to USA on 30 July, N47218 has been reserved. However, the airplane has been stored since 2001, and was little more than just a fuselage. If it is going to Oshkosh, it will be by road.  |
|                     | C-47  | <b>6055</b>  | RA-05738 | This Dak flew in 2015 as part of the Alsib memorial from Alaska to Russia. Then still registered as N4550J it was noted flying until 2017 in Russia. It is actually offered for sale on the internet by a British broker in antique aircraft, but the registration is no longer active on the official register after the update of June 2018. It does however feature in the programmes for the Normandy memorial and Berlin airlift memorial in 2019.   |
|                     | C-47  | <b>6223</b>  | 4X-AES   | Arkia Airlines, preserved at the downtown Eilat Airport. Has been removed from its position and was noted on a flatbed transport on 29 July 2018. A new airport is being build just north of Eilat, which will replace the downtown airport for domestic flights and the tiny civil ramp at the Ovda air base sixty kilometres north of Eilat, in use for international services. The new Ramon Airport is scheduled to open early 2019. The DC-3 is expected to have a new home there.               |
|                     | BT67  | <b>9043</b>  | N141PR   | AirTec, noted in full colours and with the new turbo engines fitted, in the hangar of Basler Turbo conversions at Oshkosh (WI). This recent rebuild is former N59NA, the Dak named 'Bones'. Picture had no date reported, but Flightaware tracked a 6.5 hours delivery flight from Oshkosh (WI) to Goose Bay (Newf.) on 21 August.  |
|                     | C-47A | <b>10035</b> | RA-2944G | Alsib, ex N12BA. Also part of the Alsib memorial, like former N4550J above, also noted flying until the summer of 2017. Never noted with this Russian registration out in the open just yet, nor reported in the official register of Russia. It is announced in the programmes for the Normandy memorial and Berlin Airlift memorial gatherings in 2019 with this registration.  |
|                     | C-47A | <b>12597</b> | C-FDTB   | Buffalo Airways has had this since 1995, but has been parked at Red Deer (BC) since. The registration was cancelled on 30 July as exported to the USA. Looks like together with c/n <b>4785</b> , both going to Basler Turbo Conversions.   |
|                     | C-47J | <b>26958</b> | CC-PJN   | Long time resident of Melipilla-Santa Teresa del Almendrai airfield near Santiago de Chile, has been bought by an individual who is in the process of moving it off the airport.  |
|                     | DC-6A | <b>44075</b> | N6174C   | Everts Air Cargo, 'Good Grief', was taken out of service after the end of the flying season in 2016. It ferried to Chena Hot Springs, a resort town sixty miles from Fairbanks. The DC-6 still looks complete and in good condition, but is expected to be converted to a bar or restaurant there.  |
| Grumman             | G-111 | <b>G-218</b> | N122FB   | Barron Aviation is saving this flock of Albatrosses that has been stored at Pinal Air Park in Marana (AZ)   |



This ATR72-600 was ordered in 2014 by Danish Nordic Aviation Capital (NAC), the world's largest regional aircraft leasing company. The aircraft was delivered to the leasing company in late December 2017, but NAC probably had not found a lessee for the aircraft so it was flown from Toulouse to Billund in an all white colour scheme for storage, on 5 January 2018. Finally in the summer of 2018, NAC found an airline where it could place the aircraft and the ATR was ferried first to Mönchengladbach for some entry into service preparations with Far Eastern Air Transport and later to Maastricht for painting at MAAS Aviation. The aircraft is seen here at Maastricht in full FAT colours, but still with its Danish OY-YCE registration. It was ferried back to Billund on 8 August and Bill de Koning was present to take this picture prior to its departure.

|          |         |              |          |
|----------|---------|--------------|----------|
|          | G-111   | <b>G-332</b> | N113FB   |
|          | G-111   | <b>G-432</b> | N125FB   |
| Junkers  | 52/3M   | <b>6595</b>  | HB-HOT   |
| Lockheed | L-1649A | <b>1042</b>  | ZS-DVJ   |
| PBY      | 5A      | <b>300</b>   | PH-PBY   |
|          | 6A      | <b>1566</b>  | HK-2115P |

for decades. The seven aircraft will now gather at Hannibal (MO). Barron has limited spares for this move, so they will remove the engines after each ferry and ship them back to Marana to be fitted on the next one. N122FB was the third one to fly out on 12 August 2018.

Barron Aviation, this was the first Albatross they ferried from Marana to Hannibal (MO) on 3 May 2018. Barron Aviation, this was the second Albatross that ferried on 4 July 2018.

Ju-Air. One off the Tante-Ju historical aircraft operated by Ju-Air from Dubendorf, Switzerland, crashed in the alps near Piz Segnas on 4 August 2018. Dustpan & Brush has more details.

South African Airways Museum, at Rand Airport in Johannesburg, is rebuilding their Starliner at its new home. On 8 August the wings and fuselage were put together again. A big step in the process!

More terrible news came from Lelystad. The team that operates the Dutch Catalina reported they can no longer keep her in the air. The damage that was sustained last year was a costly repair, also keeping the Catalina grounded for the first half of the 2018 season was not cheap. It was announced when the Cat had just completed its repair and annual check, late July 2018, that it would complete the 2018 season and then be sold off. But the first weekend after that, one of the engines sustained severe damage and will have to be replaced before the sale, and they were forced to completely cancel the 2018 flying season.

The former Villavicencio Catalina started a Transatlantic sea journey late 2017. We can now confirm the airplane arrived via Bremerhaven in Oldenburg, Germany, where a new owner tries to rebuild it, possibly to airworthy state.

Credits: Aad van der Voet, Ruud Leeuw, Michael Prophet, Ad-Jan Altevoigt, Neil Aird (DHC2), Ralph Pettersen (Conniesurvivors) online propliner and photo communities.



In April 2016 Grumman G-21 Goose N600ZE was bought by Mike Rinker. It started its career with the US Navy and BuNo 84805. The aircraft is showing its capabilities here at Oshkosh Sea Plane Base (WI) on 25 July 2018. (Ad Jan Altevoigt)

## Fokker News

|     |       |              |        |   |
|-----|-------|--------------|--------|---|
| F27 | -050  | <b>20105</b> | SE-MFP | Amapola Flyg, ex OO-VLJ VLM Airlines. Left Antwerp 26 July on delivery to Malmö-Sturup.   |
|     | -050  | 20127        | OO-VLO | Amapola Flyg. Was seen at Antwerp 13 July while being stripped of useful parts. Largus Aviation has acquired these two Fokkers for Amapola Flyg, with SE-MFP already being flown to Sweden (see above) and this one remaining at Antwerp as a source for Amapola's increasing Fokker-fleet. Amapola engineers are dismantling the Fokker for useful spare parts, the fuselage will be donated to a fire services training centre, possibly Belgian Limburg.   |
|     | -050  | 20151        | SE-LIR | Amapola Flyg. Arrived at Lelystad 8 August, after a ferry from Stockholm-Arlanda, and was repainted into all white colours. Returned to Arlanda on 21 August.   |
|     | -050  | 20188        | HK-    | Gran Colombia de Aviación, ex YV2976 Avior Regional.  |
|     | -050  | 20198        | HK-    | Gran Colombia de Aviación, ex YV2948 Avior Regional. Both of them were delivered from Barinas, Venezuela, to Cali, Colombia, where former YV2976 arrived on 22 August and this one the day before. They were in basic Avior colours and without titles.   |
|     | -050  | 20264        | SE-    | Amapola Flyg, ex OO-VLZ VLM Airlines. Ferried from Antwerp to Malmö-Sturup on 22 August, as VG9001. Will receive a C-check before being sold to Amapola.  |
|     | -050  | 20307        | RP-C   | LEASCOR, ex PK-TNS TransNusa Air Services. Having been withdrawn from service by TransNusa the Fokker is now under refurbishment in Indonesia and is expected to be delivered to the Philippines in August of this year.  |
| F28 | -0100 | <b>11228</b> | PK-PJN | Pelita Air. According to a picture on Instagram, this Fokker was seen at Tehran-Mehrabad late July 2018, inside an Iran Aseman Airlines hangar. Last month we reported that Iran Aseman acquired a former Indonesian Fokker for spare parts, and it was actually registered EP-ASN (ex PK-TWN <b>11335</b> ). However, with this photographic evidence it would suggest that they purchased another Fokker for spares, or PK-TWN was never the one they bought and PK-PJN was! This particular airframe was withdrawn from service and placed into storage at Pondock Cabe in December 2014. We would love to hear more about this! |

|       |              |          |  |
|-------|--------------|----------|--|
| -0100 | <b>11470</b> | UP-F1009 | Air Djibouti, ex Safi Airways. Bek Air found a new operator for this Fokker and Air Djibouti is the lucky one. They repainted the aircraft for the Red Sea Airlines operator but still retained the Kazakh registration.             |
| -0100 | <b>11496</b> | UP-F1007 | Bek Air, ex Safi Airways. Seen Astana 23 May in full Bek Air colours.  |
| -0100 | <b>11500</b> | UP-F1005 | Bek Air, ex Safi Airways. Seen Almaty 4 April in full Bek Air colours. Safi Airways has now returned its Fokkers from lease and they are operating for Bek Air again.  |
| -0100 | <b>11503</b> | EP-MIS   | Karun Airlines, ex Naft Airlines. Was seen with new titles at Tehran on 15 July.   |
| -0070 | <b>11567</b> | P2-ANA   | Air Niugini, ex PH-KZA KLM Cityhopper. Was already registered as such November 2017, but only recently the P2-reg became known. Was last seen at Singapore-Seletar on 15 April, still in basic KLM Cityhopper colours and as PH-KZA. |
| -0070 | <b>11582</b> | P2-ANB   | Air Niugini, ex PH-KZD KLM Cityhopper. As above and registered September 2017. Also seen at Seletar on the same day as PH-KZA and in the same condition.   |

Credits: Walter Van Brempt, Merv Crowe, Andrew Deaks, Skyliner.

## Bizjets

|            |         |                |        |  |
|------------|---------|----------------|--------|--|
| Beech      | 400XT   | <b>RK-327</b>  | G-FXMR | Former N454FL of Flight Options was sold to Flexjet.   |
| BAe125     | 900     | <b>HA-0092</b> | F-HICU | Ferried to Bordeaux on 11 July, ex TC-NRY.   |
| Cessna     | 501     | <b>0105</b>    | N2648X | TS Aviation, registered on 1 December. Was ferried from the US to Toussus-le-Noble later that month and seems to be based there now. |
|            | 510     | <b>0019</b>    | D-INEZ | HanseSky GmbH, ex OE-FCP. Noted at Innsbruck on 15 July.   |
|            | 525     | <b>0286</b>    | N454MA | Marv Air LLC, ex D-INFS. Registered on 31 July.  |
|            | 525     | <b>0987</b>    | D-IOVA | ProAir Aviation, started its delivery flight on 25 July.   |
|            | 525A    | <b>0015</b>    | D-IBCG | ProAir Aviation, ex N610SF. Registered in June.  |
|            | 525B    | <b>0162</b>    | N525LB | Lonely Bird LLC, ex G-YEDC. Registered on 17 July.   |
|            | 525B    | <b>0544</b>    | SP-CUD | Jet Story, ex N52144. Delivered to Warsaw on 24 July.  |
|            | 550     | <b>1022</b>    | OE-GCH | Speedwings Executive Jet GmbH, ex LN-IDD. Registered in June.  |
|            | 551     | <b>0201</b>    | SX-CDY | Kapajet, ex EC-MCF. Registered in December.  |
|            | 560XLS+ | <b>6166</b>    | N166TX | Textron Aviation Inc, ex D-CTXT. Registered on 2 August.   |
|            | 560XLS+ | <b>6249</b>    | YU-TBA | Swisslion-Takovo d.o.o. Delivered through Billund on 1 July.   |
|            | 680+    | <b>0525</b>    | N680JC | TVPX ARS, ex PH-CTR. Registered on 24 July.  |
| Challenger | 300     | <b>20172</b>   | D-BOOM | Windrose Air, ex RA-67223. Registered on 23 May.   |
|            | 300     | <b>20223</b>   | N229PP | Clearwater Fine Foods Inc, re-registered from N229BP on 23 July.   |
|            | 300     | <b>20298</b>   | N311FC | TFC Holdings LLC, re-registered from N334EC on 12 July.  |
|            | 300     | <b>20432</b>   | C-FAJW | Aurora Jet Partners, re-registered from C-GDIL on 23 July.   |
|            | 350     | <b>20741</b>   | N229BP | Bombardier Aerospace Corp, re-registered from N805RP on 31 July.   |
|            | 350     | <b>20746</b>   | N757QS | NetJets, registered on 12 July. Ex C-GOXA.   |
|            | 350     | <b>20748</b>   | N10SE  | Bombardier Aerospace Corp, ex C-GOXD. Registered on 11 July.   |
|            | 601-3A  | <b>5097</b>    | YV3393 | N227CP was cancelled to Venezuela on 21 November 2017 and is now operated by Servicios Aereos TEA2015 S.A.                           |
|            | 604     | <b>5451</b>    | N726RF | Steve Rooney, re-registered from N604DF on 19 July.  |
|            | 604     | <b>5475</b>    | C-GJDS | Jeffco Aviation Ltd, ex N524LD. Registered on 10 July.   |
|            | 604     | <b>5553</b>    | N604WG | Red River Aircraft Leasing LLC, ex C-GRLE. Registered on 27 July.  |
|            | 604     | <b>5583</b>    | T7-RAK | DV Aviation Al-Futtaim, ex N604HQ. Noted at Stansted on 12 July.   |
|            | 604     | <b>5598</b>    | M-ASIM | ExecuJet Middle East, ex N959AM. Registered on 2 July.   |
|            | 605     | <b>5751</b>    | N405TK | Flying Star III LLC, re-registered from N917RS on 19 July.   |
|            | 605     | <b>5892</b>    | N794SE | SPG Management LLC, ex M-AYRU. Registered on 31 July.  |
| Eclipse    | EA500   | <b>000107</b>  | N706PT | Cancelled 10 August, permanently retired.  |
|            | EA500   | <b>000186</b>  | N222BE | N222BE Inc Trustee, ex N204ZQ, Registered on 17 August.  |
|            | EA500   | <b>000246</b>  | OE-FXJ | Reserved for Smartline 24 July, ex D-INDY.   |



Israeli bizjets are not that common in the Netherlands, except for Arkia's Gulfstream IV-SP 4X-CPX. Therefore Hawker 4X-CUZ is a welcome change for the Dutch spotters. 4X-CUZ has been operated by Arrow Aviation since August 2016. (Maastricht, 4 July 2018, Björn van der Velpen)



Planet Nine Private Air is a new bizjet operator that intends to operate four Falcon 7Xs within a short timeframe. N19NE was added to the fleet in June and was previously operated by Planair as VQ-BAA. (Antwerp, 23 July 2018, Walter Van Brempt)

|            |         |                 |        |   |
|------------|---------|-----------------|--------|---|
| Embraer    | EA550   | <b>550-1001</b> | 9H-BFH | Since June D-ICII, then 9H-BFH of BFH Baden-Charter in July, ex N550F.  |
|            | 500     | <b>50000185</b> | N316BL | Former G-ITSU of Sovereign Business Jets was recently sold to BSL Aviation.   |
|            | 505     | <b>50500356</b> | OE-FDW | Operator in Austria is now known as International Jet Management. Addition Scramble 471 – Page 50.                                  |
|            | 505     | <b>50500417</b> | D-CDMO | This brand new Phenom (ex N417EE) was delivered to Dimor Aero in Germany. Addition to Scramble 467 - Page 45.                       |
| Falcon     | 545     | <b>55010035</b> | D-BOLD | Another Phenom was sold in Germany, this time former PR-LQG.  |
|            | 550     | <b>55000031</b> | N351PF | This ex D-BEER of Air Hamburg Private Jets was sold back to the factory.  |
|            | 7X      | <b>41</b>       | CS-SMH | Executive Jet Management Europe, ex OO-NAD. Departed Basel for delivery on 13 July.   |
|            | 7X      | <b>76</b>       | 9H-AGO | After HB-JSN was cancelled in December it became 9H-AGO.  |
|            | 7X      | <b>76</b>       | 606    | After 9H-AGO this Falcon became 606 with the Hungarian Air Force. It was delivered on 3 August while still carrying 9H-AGO as well. |
|            | 7X      | <b>79</b>       | N119NE | Planet Nine Private Air LLC, ex HZ-SPAG. Registered on 1 August.  |
|            | 7X      | <b>114</b>      | F-HKAR | Dassault Aviation, ex 9H-MAK. Registered on 18 July.  |
|            | 7X      | <b>143</b>      | M-SUNY | Hawker Pacific Asia Pte Ltd, ex F-HMOE. Registered on 6 July.   |
|            | 7X      | <b>184</b>      | N979JW | S.C. Johnson & Son Inc, ex SX-JET. Registered on 2 July.  |
|            | 7X      | <b>221</b>      | VP-CEX | Across The Universe Ltd, ex N487C. Registered on 3 July.  |
| Global     | 7X      | <b>258</b>      | 9H-SFK | TAG Aviation Malta, ex F-HIPK. Registered in June.  |
|            | 7X      | <b>423</b>      | T7-SGS | Former M-VITC, which was stored at Bournemouth since its delivery last November, was first noted as T7-SGS on 30 July.              |
|            | 8X      | <b>439</b>      | F-GCDP | Dassault Aviation, ex F-WWVS. Registered on 2 July.   |
|            | 50      | <b>187</b>      | N50FG  | Falcon Group IV LLC, re-registered from N133NM on 3 July.   |
|            | 900B    | <b>141</b>      | ZS-DFJ | Cirano Investments 307 (Pty) Ltd, ex M-SAIR. Registered on 25 March.  |
|            | 900B    | <b>150</b>      | N306SH | N306SH LLC, re-registered from N73MN on 3 July.   |
|            | 900LX   | <b>19</b>       | N890LT | Life Time Inc, re-registered from N88ND on 31 July.   |
|            | 900EX   | <b>57</b>       | N406EA | Bank of America NA, ex C-GXPZ. Registered on 26 July.   |
|            | 900EX   | <b>85</b>       | N76PY  | CGP Holdco LLC, re-registered from N76PW on 11 July.  |
|            | 900LX   | <b>134</b>      | EP-IGC | Government of Iran, ex EI-ZMA. Noted as Moscow-Vnukovo on 11 July.  |
|            | 900LX   | <b>256</b>      | M-DUBS | Ameriana Aviation Ltd, ex G-YCKF. Registered on 30 July.  |
|            | 2000    | <b>44</b>       | N301AF | Air4 Aviation LLC, re-registered from N303CL on 26 July.  |
|            | 2000    | <b>152</b>      | N61JM  | Jast Air, ex C-FMOS. Registered on 31 July.   |
|            | 2000LX  | <b>177</b>      | N222MS | Stavola Aviation Inc, ex N900FS. Registered on 6 July.  |
|            | 2000LX  | <b>238</b>      | N46F   | TVPX Aircraft Solutions, re-registered from N532CC on 6 August.   |
|            | 2000S   | <b>707</b>      | PH-WTC | Former HS-KPA was noted at Guernsey on 25 July.   |
|            | Express | <b>9060</b>     | D-AUWE | FAI Rent-A-Jet, ex M-ATAR. Re-registered on 22 June.  |
|            | Express | <b>9126</b>     | TC-TSR | MNG Jet, ex A7-AAM of Government of Qatar. Delivered in July.   |
|            | XRS     | <b>9223</b>     | 9H-MAO | Gama Aviation Ltd, ex VP-BAH. Re-registered in August.  |
|            | XRS     | <b>9277</b>     | N194WF | Challenger Administration LLC, ex N194WM. Re-registered on 21 August.   |
| Gulfstream | 5000    | <b>9334</b>     | P4-AVA | Ex 9H-PVL of Emperor Aviation. Registered in August.  |
|            | 6000    | <b>9697</b>     | 2-HONE | Privajet, ex 9H-ONE. Re-registered in July.   |
|            | 5000    | <b>9715</b>     | T7-BLQ | TAG Aviation San Marino, ex VP-BLQ of TAG Aviation Asia. Transferred in July.   |
|            | C-20B   | <b>465</b>      | N34JE  | Lion Aviation, re-registered from N36JE on 2 August.  |
|            | IV      | <b>1064</b>     | N483RA | TVPX Aircraft Solutions, ex XA-AEX. Registered on 13 July.  |
|            | IV      | <b>1094</b>     | PR-KEA | Noted Salvador 23 July, ex N199DF.  |
|            | IV      | <b>1111</b>     | N511KA | Kolob Canyons Air Services, re-registered from N511PA on 25 July.   |
|            | IV      | <b>1112</b>     | N584ER | MSP Recovery Aviation re-registered from N112WJ on 18 July.   |
|            | IV      | <b>1195</b>     | N999AH | 861VSP LLC, re-registered from N888PM on 26 July.   |
|            | IVSP    | <b>1302</b>     | N821SS | GC Aviation, re-registered from N819SS on 18 July.  |
|            | IVSP    | <b>1412</b>     | H11040 | Helidosa Aviation Group, ex N65CC. Noted Medellin on 13 August.   |
|            | IVSP    | <b>1436</b>     | N423JS | 1436 Holdings LLC, re-registered from N436VR on 6 August.   |
|            | IVSP    | <b>1457</b>     | N1624K | Delta Private Jets, re-registered from N305CF on 5 July.  |
|            | V       | <b>502</b>      | N786JM | Pated LLC, re-registered from N502KA on 16 July.  |
|            | V       | <b>699</b>      | N885LT | Troutt LLC, re-registered from N885KT on 12 July.   |

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|          |          |               |        |  |
|----------|----------|---------------|--------|--|
|          | G400     | <b>1521</b>   | N960JS | 1521 Holdings LLC, ex N413QS. Registered on 9 July.  |
|          | G400     | <b>1522</b>   | N232ZK | TVPX Aircraft Solutions, re-registered from N854SD on 13 July.   |
|          | G450     | <b>4064</b>   | HZ-A22 | N338TZ was cancelled to Saudi Arabia on 6 February.  |
|          | G450     | <b>4164</b>   | N622GK | Holman Enterprises Inc, re-registered from N718JS on 16 July.  |
|          | G500     | <b>5067</b>   | N790DC | Dynamic Healthcare Solutions Inc, re-registered from N50HA on 6 August.  |
|          | G550     | <b>5148</b>   | N103AK | Pacific Diversified Investments Inc, ex VP-BCC. Registered on 30 July.   |
|          | G550     | <b>5251</b>   | N550CK | CK Royalty and Investment Management LLC, re-registered from N251GV on 20 July.  |
|          | G550     | <b>5370</b>   | N721MN | Mandalay Resort Group, re-registered from N721MM on 23 July.   |
|          | G550     | <b>5566</b>   | B-3358 | Delivered from Appleton (WI) on 29 June. Ex N566GA.  |
|          | G550     | <b>5570</b>   | B-3327 | Delivered to its new owner Century Cruises from Brunswick (GA) on 31 July. Ex N570GA.  |
|          | G650ER   | <b>6087</b>   | N188WR | Las Vegas Jet LLC, re-registered from N711SW on 13 July.   |
|          | G650     | <b>6214</b>   | T7-GTS | Empire Aviation San Marino, ex VP-CPM. Noted Guernsey on 16 July.  |
|          | G650ER   | <b>6314</b>   | N988NC | Twenty-First Century Fox Inc, ex N314GA. Registered on 11 July.  |
|          | G650ER   | <b>6315</b>   | N900NC | Twenty-First Century Fox Inc, ex N315GA. Registered on 24 July.  |
|          | G650ER   | <b>6318</b>   | VP-CGP | Gama Aviation, ex N618GD. Registered on 27 July.   |
| IAI      | IAI1124  | <b>154</b>    | N176DT | Cancelled 9 August, permanently retired.   |
|          | IAI1124  | <b>228</b>    | N795FM | Cancelled 10 August, permanently retired.  |
|          | IAI1124A | <b>295</b>    | N730CA | Cancelled 10 August, permanently retired.  |
|          | IAI1124A | <b>442</b>    | YV-    | Ex N830C, exported to Venezuela on 10 August.  |
|          | G200     | <b>62</b>     | ?      | G450 c/n <b>4152</b> was registered XA-DRE in May, fate of this G200 is not known yet.   |
|          | G200     | <b>63</b>     | N877RU | Registered 26 July to Skyline Enterprises, ex HK-5154.   |
|          | G200     | <b>208</b>    | XA-    | N94FY cancelled 3 August, exported to Mexico.  |
|          | G280     | <b>2154</b>   | N254GA | Bank of Utah, registered 1 August.   |
|          | G280     | <b>2156</b>   | N256GA | Bank of Utah, registered 21 August.  |
|          | G280     | <b>2157</b>   | N257GA | Reserved 2 August.   |
| Learjet  | 45       | <b>45-122</b> | D-CQAA | Ex N945FD of Family Dollar was sold to an unknown operator in Germany.   |
|          | 45       | <b>45-167</b> | G-OICU | Ex G-GMAA of Gama Aviation was sold to Capital Air Ambulance in July.  |
|          | 60       | <b>60-341</b> | N521NW | Former M-YCYS of CYS was registered to Southern Cross Aircraft.  |
| Pilatus  | PC-24    | <b>109</b>    | N357ET | Former HB-VSJ of Pilatus Flugzeugwerke was sold Pilatus Business Aircraft in the US in August.                                   |
|          | PC-24    | <b>113</b>    | HB-VSN | Registered to Pilatus Flugzeugwerke 5 August.  |
| Raytheon | 390      | <b>RB-60</b>  | D-IETB | Former M-PREI of DAKI Aviation was sold to an unknown operator in Germany. German registration is still reserved at this moment. |

Credit: Jez Masterman.

## Bizprops

|         |      |                |        |  |
|---------|------|----------------|--------|--|
| Beech   | C90B | <b>LJ-1371</b> | D-IBJG | J. Gottlieb changed its English registration G-CKUC into a German registration. Aircraft now based at Stuttgart. |
|         | F90  | <b>LA-88</b>   | N6VJ   | Former LN-HSC of Fischer A/S was recently sold to Fisher of Lake Inc.  |
|         | B250 | <b>BY-313</b>  | LN-KGW | Ex N313KA of Textron was sold to Nutrimar A/S in Norway.   |
| Cessna  | 208B | <b>5307</b>    | D-FEIC | Registered on 2 May, ex N850AM. Operated by IAS Itzehoer Airservice GmbH.  |
|         | 208B | <b>5451</b>    | LN-LOL | TerraTec A/S, ex N127TW. Registered on 5 June.   |
|         | 421C | <b>1078</b>    | OK-AAZ | Fly Solutions, ex OM-DAA. Registered on 16 June 2016, apparently we missed this one.                             |
|         | 425  | <b>0035</b>    | YU-BTS | Ex D-IATS, noted at Hannover on 6 June.  |
| Piaggio | P180 | <b>1033</b>    | G-RJPI | Registered to Switair on 4 July, and cancelled already on 3 August.  |
|         | P180 | <b>1104</b>    | N139SL | Cancelled on 9 August, permanently retired.  |
|         | P180 | <b>1198</b>    | C-GLWQ | Delivered to Skyservice Business Aviation on 30 July, ex Chartright Air.   |



OY-JJT has been carrying COWI titles since at least May of this year when it was noted at Groningen. It was converted by Blackhawk Modifications a couple of years ago and is now known as a King Air C90XP. (Antwerp, 4 July 2018, Walter Van Brempt)



So far, only four PC-12s are operated in China and this example will likely be the fifth one. HB-FXQ carries construction number 1748 and will become B-102U with Asian Express Aviation upon delivery. (Stans-Buochs, 13 July 2018, Stephan Widmer)

|                       |                         |   |   |
|-----------------------|-------------------------|---|---|
| Pilatus               | PC-6/B2-H4 <b>810</b>   | D-FANO  | Former EI-IAN of The Irish Parachute Club was sold to Sky Lease GmbH and is now based at Dahlemer Binz.             |
|                       | PC-6/B2-H4 <b>909</b>   | F-OPCB  | Former S9-LOL of the Paraclub de Bourbon was recently changed into the French register for the same owner/operator. |
|                       | PC-12/47E <b>1275</b>   | G-FLXI  | Former M-TOMS of C J Airways Ltd. was sold to Flexifly Aircraft Hire.   |
|                       | PC-12/47E <b>1416</b>   | OE-EAU  | Former HB-FWV of Jetfly Aviation was sold to PC 12 GmbH & Co.   |
|                       | PC-12/47E <b>1807</b>   | N807NG  | Former HB-FSR of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in July.                |
|                       | PC-12/47E <b>1808</b>   | N18NX   | Former HB-FSS of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in July.                |
|                       | PC-12/47E <b>1809</b>   | N809LA  | Former HB-FST of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in July.                |
|                       | PC-12/47E <b>1811</b>   | N811NG  | Former HB-FSV of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.              |
|                       | PC-12/47E <b>1814</b>   | N814NG  | Former HB-FSW of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.              |
|                       | PC-12/47E <b>1815</b>   | HB-FSZ  | Registered to Pilatus Flugzeugwerke 16 July.  |
|                       | PC-12/47E <b>1816</b>   | HB-FQA  | Registered to Pilatus Flugzeugwerke 25 July.  |
|                       | PC-12/47E <b>1817</b>   | HB-FQB  | Registered to Pilatus Flugzeugwerke 25 July.  |
| PC-12/47E <b>1819</b> | HB-FQD                  | Registered to Pilatus Flugzeugwerke 7 August. |   |
| Piper                 | 31 <b>245</b>           | F-HGPS  | IMAO, ex 9H-FMF. Registered on 7 December 2017.   |
|                       | 46-600TP <b>4698076</b> | OK-CHD  | Noted Riga on 26 July.  |
| SOCATA                | TBM-700C2 <b>264</b>    | N700LG  | Former D-FNBU of U. Busche & P. Goldschmidt was sold to Fordice Construction Co.                                    |
|                       | TBM-850 <b>610</b>      | D-FFFH  | Former D-FALF was recently re-registered with SOCATA. Based at Bonn.  |
|                       | TBM-930 <b>1226</b>     | D-FAFM  | This brand new TBM was written in the German register. New owner not known yet. Aircraft based at Arnsberg.         |
|                       | TBM-930 <b>1230</b>     | D-FMCP  | This brand new TBM was written in the German register. New owner not known yet. Aircraft based at Damme.            |

## Soviet Updates

Go to the Soviet Transports database on the Scramble website for full known histories, including extensive info on crashes, colour schemes et cetera. To get the most from this extensive database (some 140,000 records) consider using the advanced search options.

Near the bottom of the same page (Soviet Transport database on [www.scramble.nl](http://www.scramble.nl)) is a link to the Soviet Transports downloads page featuring an illustrated guide to ST construction numbers. It can be downloaded free of charge together with production lists of all types included in the Soviet Transports database and a list of abbreviations, translations, location codes and a Google Earth KMZ file with all airports in the Soviet Transports database.

|         |                    |             |                       |       |         |   |
|---------|--------------------|-------------|-----------------------|-------|---------|---|
| An-2P   | <b>1G117-56</b>    | N2445       | William S Glover      | rgd   | 24mar15 | canx 10aug18  |
| An-2TP  | <b>1G137-35</b>    | 9S-CFH      | Air Kasai, n/t        | TSH   | 14jul18 |   |
| An-2TD  | <b>1G180-46</b>    | LV-HQF      | grey c/s, n/t         | Photo | 29jul18 | at Corrientes-Cañada Quiroz; ex SP-AJNZ (3)             |
| An-2TD  | <b>1G187-27</b>    | ES-CAN      |                       | rgd   | jul18   | ex SP-NLK   |
| An-2R   | <b>1G193-54</b>    | UR-SAF      | Sevastopol Russia     |       | 21aug18 | at Sevastopol-Yukharina Balka with large titles         |
| An-2R   | <b>1G201-29</b>    | 9S-CFS      | Air Kasai, n/t        | w/o   | 27jul18 | crashed on take off Kamacho due to an Engine failure    |
| An-2R   | <b>1G210-55</b>    | N2AN (2)    | American Airpower     | dam   | 10jan16 | flipped over in a forced landing attempt; canx 10aug18  |
| An-2R   | <b>1G221-44</b>    | 9S-CZP      | Air Kasai, n/t        | TSH   | 14jul18 |   |
| An-2R   | <b>1G223-19</b>    | RF-02329(2) | cream c/n, n/t        | Sht   | sep17   | ex RA-40395   |
| An-2R   | <b>1G230-17</b>    | RA-33580    | cream c/s, n/t        | Photo | 21jul18 | active in the Krasnodar region                          |
| An-2    | ---                | RF-90518    | Russian Air Force     | Photo | jul18   | coded "05 yellow  |
| An-14A  | <b>. 021 10</b>    | not known   | ex Soviet Air Force ? |       | jul10   | hulk sat at Dorki, and later jan13 at Bolshoye Gryzlovo |
| An-24RV | <b>6 73 106 04</b> | RA-47355    | Angara 403 Airlines   | IKT   | 19aug18 |   |
| An-26B  | <b>114 04</b>      | UP-AN611    | KazAirTrans           | w/o   | 20jul18 | photos show and a broken fuselage so w/o                |

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|           |                           |               |                            |       |         |  |
|-----------|---------------------------|---------------|----------------------------|-------|---------|--|
| An-26     | <b>114 06</b>             | YK-ANH        | Syrian Air Force           | mfd   | 1981    | in Syrianair c/s; seen nov96   |
| An-26B    | <b>122 01</b>             | LZ-FLL        | Edwin Air Cargo            | LJU   | 04aug18 | large "Edwin" titles; l/n WAW 09aug18  |
| An-26     | ---                       | RF-36011      | Russian Air Force          | Photo | jul18   | grey c/s also said to be carrying "53" red   |
| An-28     | <b>1AJ 004-06 ?</b>       | UR-CQQ        | all white, n/t             | Kck   | 15aug18 | c/n not confirmed but regarding silver/blue spinners, silver tail leading edge and other features ex UR-CKQ? |
| M28       | <b>AJE 003-35</b>         | 12-0335       | USAF Special Ops           | COS   | 11Jul15 | carries 20335 on the tail  |
| An-74-200 | <b>365 470 98 965</b>     | EK-74036      | Ayk Avia                   | w/o   | 16apr18 | at Kir Airstrip in South Sudan; canx 11may18   |
| Il-38     | <b>0810 109 07</b>        | RF-75323      | Russian Navy               | VVO   | jul18   | still coded "25" red on the fin  |
| Il-22     | <b>03936 09306</b>        | RF-75899      | Russian Air Force          | Photo | jul18   | 'VVS Rossi' titles on the tail; ex RA-75899  |
| Il-62MGr  | <b>45 46 2 5 7</b>        | EW-450TR      | Rada Airlines              | KRT   | 16aug18 | damaged when overshoot on landing, repairable ?  |
| Il-76TD   | <b>10334 18596</b>        | UP-I7650      | unknown                    | rgd   | jul18   | ex ER-IAY  |
| Il-76     | ---                       | EW-510TH      | United Nations             | MSQ   | 30jul18 | in a/w c/s with WFP 'World Food Programme' titles  |
| Ka-26     | <b>75 051 03 ?</b>        | CCCP-19619    | Aeroflot                   | OVm   | 05aug18 | not confirmed this is the original CCCP-19619  |
| Ka-27M    | <b>5235001023307 ?</b>    | RF-19115      | Russian Navy               | Photo | 29jul18 | over St. Petersburg; coded "31" red  |
| Ka-29     | <b>52350025118813</b>     | RF-34192      | Russian Navy               | ARH   | aug18   | coded "23" red   |
| Ka-31     | <b>5232004162714 ?</b>    | RF-34166      | Russian Navy               | Photo | 29jul18 | over St. Petersburg; coded "90" red  |
| Ka-52     | ---                       | RF-16153      | Russian Air Force          | Photo | may18   | coded "82" red   |
| L-410UVP  | <b>83 11 12</b>           | CCCP-67421    | Barnaul Airlines           | canx  | 06jun96 | seen dumped at Kostanay, Kazakhstan 27jul18  |
| Li-2T     | <b>184 332 09</b>         | HA-LIX        | Gold Timer Foundation      | Photo | jun18   | in RAF c/s in waterpaint at Rudniki for some days serialled FD795 on left, and KG477 on right side           |
| Li-2      | <b>184 391 04</b>         | CCCP-16191    | AFL/Yakutiya-Nyu           | NYU   | aug18   | wreck seen overgrown by trees  |
| Li-2      | <b>2 34 400 09</b>        | CCCP-54925    | AFL/Yakutiya-MJZ           | NYU   | aug18   | wreck seen overgrown by trees  |
| Mi-2      | <b>53 3940 015</b>        | RA-23992      | Zyryanskaya OAE            |       | aug18   | sat derelict at Srednekolymsk  |
| Mi-2      | <b>54 4337 085</b>        | UR-EXH        | Motor Sich                 | rgd   | 26feb18 | f/n Zaporizhzhya-Shirokye 2018 with modified nose  |
| Mi-2      | <b>54 5620 048</b>        | UR-VBG        | Motor Sich                 | rgd   | 17jul18 |  |
| Mi-2      | <b>52 8438 123</b>        | CCCP-20692(2) | Aeroflot                   | Photo | 28jul18 | at the "Faeton" technical museum at Zaporizhzhya   |
| Mi-2      | <b>5210050 017</b>        | RA-15629      | privately owned            | dam   | 06aug18 | in the Tyumen region when made a forced landing  |
| Mi-2      | <b>5410429 117</b>        | RA-15652(2)   | Kavkaztrans                | w/o   | 02aug18 | on a crop-spraying flight in the Poltavskaya district  |
| Mi-2      | <b>5410927 059</b>        | RA-15757(2)   | Vyatkaavia                 | dam   | 16aug15 | repaired; l/n Ivanovskaya 02jul18, c/n checked   |
| Mi-2      | ---                       | RA-1433G      | privately owned            | Ovm   | 05aug18 | ex RF-00501; in register as Mi-2OAN YeEVS03.0915   |
| Mi-8PS-9  | <b>86 99</b>              | XDMX-007      | Azerb. Spec State Prot Svc | Eng   | 02aug18 | ex 4K-27026  |
| Mi-8TV    | <b>9 77 52 08</b>         | "11" yellow   | Russian Air Force          | Photo | 1999    | AT Volosovo  |
| Mi-8T     | <b>9 84 15671</b>         | RA-22871      | Kazan Avn Enterprise       | CEK   | 16aug18 | in full c/s with 'Kazanskoye aviapredpriyatiye' titles   |
| Mi-8MTV-1 | <b>9 6112</b>             | UR-KGS        | Air Taurus                 | rgd   | 14aug18 | to Alfa Aviation Inc. of the USA; ex RA-27173  |
| Mi-8MTV-1 | <b>9 7433</b>             | RA-22808(2)   | Polyarnyye Avialinii       | rgd   | 19jun18 | f/n Yakutsk-Magan 08aug18  |
| Mi-171A1  | <b>59489617778</b>        | UR-CPG        | Kroonk                     | rgd   | 21may18 | to the AAL Group; canx between 10aug18 and 17aug18; ex HK-4796   |
| Mi-171    | <b>8AMT00804092603U</b>   | UR-CRT        | Kroonk                     | rgd   | 13jul18 | to the AAL Group; ferried UTP-UTH-HAN 27jul18; canx between 10aug18 and 17aug18; ex HK-4902X, to ?           |
| Mi-171    | <b>8AMT00804092604U</b>   | UR-CRW        | Kroonk                     | rgd   | 13jul18 | to the AAL Group; ferried UTP-UTH-HAN 28jul18; canx between 10aug18 and 17aug18; ex HK-4903X, to ?           |
| Mi-8AMT   | <b>8AMT00643084205U</b>   | RA-25640(2)   | UTair                      | w/o   | 04aug18 | collided with the underslung load of Mi-8 RA-22427   |
| Mi-8AMT   | <b>AMTS00643147418U ?</b> | RF-90307      | Russian Air Force          | OVB   | 31jul18 | coded "418" blue   |



The identity of this Antonov An-28 UR-CQQ is not yet known. Regarding the colours, a possible candidate is former UR-CKQ (1AJ 004-06). The aircraft is pictured at Kaliningrad-Chkalovsk. (15 August 2018, Simon Wallwork)

|           |                         |               |                       |       |         |   |
|-----------|-------------------------|---------------|-----------------------|-------|---------|---|
| Mi-8AMT   | <b>AMTS00643147420U</b> | RF-90390      | Russian Air Force     | OVB   | 29jul18 | coded "420" blue  |
| Mi-171A2  | <b>171A02643140101U</b> | "514" grey    | Vertolyoty Rossii     | dam   | 03aug18 | on a landing on soft ground at mount Elbrus   |
| Mi-17-1V  | <b>356M118 ?</b>        | Z3363         | Indian Air Force      | OVB   | 16aug18 | in grey c/s with large black exhaust areas  |
| Mi-17V-5  | <b>404M05</b>           | 5Y-DCI        | Kenya Police          | dam   | 15aug18 | made an emergency landing in the Boni Forest  |
| Mi-8      | ---                     | RF-04459      | Russian Air Force     | Photo | may18   | also carried code "72" red  |
| Mi-8MT    | ---                     | RF-90803      | Russian Air Force     | Azp   | aug18   | coded "44" blue   |
| Mi-8T     | ---                     | RF-91892      | Russian Air Force     | Plt   | apr18   |   |
| Mi-8AMTSh | ---                     | RF-92482      | Russian Navy          | Photo | 29jul18 | over St. Petersburg; coded "21" red   |
| Mi-8AMTSh | ---                     | RF-92494      | Russian Navy          | Photo | 29jul18 | over St. Petersburg; coded "22" red   |
| Mi-171E   | ---                     | LH911761      | Chinese Army          | KRL   | 29jul18 |   |
| Mi-171E   | ---                     | LH911768      | Chinese Army          | KRL   | 29jul18 |   |
| Mi-171E   | ---                     | LH911792      | Chinese Army          | Photo | jul18   |   |
| Mi-171E   | ---                     | LH971732      | Chinese Army          | CEK   | 16aug18 | opb 76th Brigade  |
| Mi-171E   | ---                     | LH972730      | Chinese Army          | CEK   | 16aug18 | opb 77th Brigade  |
| Mi-17V-5  | ---                     | LH951726      | Chinese Army          | Photo | jul18   | opb 81st Brigade  |
| Mi-17V-5  | ---                     | LH961762      | Chinese Army          | Photo | jul18   | opb 78th Brigade  |
| Mi-17V-5  | ---                     | LH992715      | Chinese Army          | Photo | aug18   | opb 72nd Brigade  |
| Mi-171    | ---                     | LH992765      | Chinese Army          | Photo | jun18   | opb 72nd Brigade  |
| Mi-8      | ---                     | H10           | Libyan Air Force      | Photo | 27may18 | reportedly just delivered; l/n 11jul18  |
| Mi-8      | ---                     | UR-VBD        | all white, n/t        | OZH   | 28jul18 | not on register !   |
| Mi-8MT    | ---                     | "239" yellow  | Ukraine Army Aviation | Photo | 02aug18 |   |
| Mi-172    | <b>862M43</b>           | 61029         | Venezuelan Air Force  | Ovn   | 31jul18 | ex 1402   |
| Mi-17V-5  | ---                     | 00764         | Venezuelan Air Force  | CCS   | 03jul18 |   |
| Mi-24R    | <b>353 342 39 12936</b> | "46" white    | Belarus Air Force     | Rzd   | 03aug18 | c/n now known   |
| Mi-24R    | <b>353 342 39 12942</b> | "47" white    | Belarus Air Force     | Rzd   | 03aug18 | c/n now known   |
| Mi-24R    | <b>353 342 39 12966</b> | "48" white    | Belarus Air Force     | Mma   | 31jul18 | c/n now known   |
| Mi-24D    | <b>M340 147</b>         | 0147          | Czech Air Force       | Photo | 13aug18 | preseved Freyung, Germany   |
| Mi-24     | ---                     | RF-93079      | Russian Air Force     | OVB   | 09aug18 | coded "09" yellow; l/n OVB 11aug18  |
| Mi-35M    | ---                     | "1108" yellow | Vertolyoty Rossii     | Kub   | 18aug18 | with 'Vertolyoty Rossii'/'Russian Helicopters' and 'Rostvertol' titles              |
| Mi-26T2V  | <b>34001212157</b>      | "3112" yellow | Vertolyoty Rossii     | Ror   | 17aug18 | with 'Vertolyoty Rossii'/'Russian Helicopters' and 'Rostvertol' titles; ex RA-06257 |
| RRJ-95B   | <b>95 120</b>           | EI-FWG        | Brussels Airlines     | rgd   | 27jun18 | h/o 29jun18 and ferried from VCE to BRU same day                                    |
| RRJ-95B   | <b>95 151</b>           | RA-89109      | Aeroflot              | h/o   | 17aug18 | named 'V. Vereshchagin'   |
| RRJ-95B   | <b>95 162</b>           | RA-89114      | Aeroflot              | h/o   | 17aug18 | named 'V. Chkalov'  |
| RRJ-95B   | <b>95 163</b>           | 97013(6)      | primer                | ff    | 30may18 | for Cityjet   |
| RRJ-95B   | <b>95 166</b>           | 89115         | primer                | ff    | unknown | ferried via OVB to ULY 28apr18; for Aeroflot  |
| RRJ-95B   | <b>95 168</b>           | 97004(6)      | primer                | ff    | 25jul18 | for Interjet  |
| RRJ-95B   | <b>95 169</b>           | 97002(7)      | primer                | ff    | 30jul18 | for Cityjet   |
| Tu-16     | <b>7 2 037 27</b>       | "08" red      | Soviet Air Force      |       |         | photo   |
| Tu-16     | <b>1 88 20 02</b>       | "34"          | Soviet Air Force      |       |         | photo based at Tartu in 1985  |
| Tu-22M3   | <b>44 67 5 2 1</b>      | "49" red      | Russian Air Force     | Vob   | 18aug12 | c/n checked; used as a GIA by VUNTs at Voronezh                                     |
| Tu-22M3   | <b>40109 1 3 5</b>      | "47" red      | Russian Air Force     | Vob   | 18aug12 | c/n checked; used as a GIA by VUNTs at Voronezh                                     |
| Tu-134A   | <b>46130</b>            | RA-65010      | Kosmos                | VKO   | 14jul18 | wfu   |
| Tu-134A-3 | <b>63158</b>            | RA-65979      | FSB                   | VKO   | 14jul18 | wfu; was canx between 16feb18 and 22mar18   |
| Tu-154M   | <b>87A752</b>           | RA-85625      | Gazpromavia           | MRV   | 14jun16 | stored and broken up MRV aug18  |
| Tu-154M   | <b>91A906</b>           | CCCP-85724    | AFL/Vnukovo           | canx  | 10nov16 | scrapped at OVB jul18   |
| Yak-12M   | ---                     | CCCP-K808     | Aeroflot              |       |         | photo in all-silver c/s with Red Cross  |
| Yak-12    | ---                     | CCCP-05749    | Aeroflot              |       |         | photo black and white photo, probably in all-dark green c/s                         |
| Yak-12    | ---                     | CCCP-72801    | Aeroflot              |       |         | photo black and white photo, with cheatline   |
| Yak-12    | ---                     | CCCP-90586    | Aeroflot              |       |         | photo in light blue c/s with dark blue cheatline                                    |
| Yak-12    | ---                     | CCCP-90686    | Aeroflot              |       |         | photo black and white photo with cheatline and titles                               |
| Yak-18T   | <b>22202044755</b>      | UR-OSV        |                       | rgd   | 08aug18 | ex UR-SLA   |
| Yak-18T   | ---                     | RA-2627G      | AK im. Baluyeva       | Vor   | aug18   | engineless  |
| ARJ21-700 | <b>10 04</b>            | B-001P        | COMAC                 | PVG   | 15aug18 | ex B-00NX   |
| H6K       | ---                     | 20118         | Chinese Air Force     | Xia   | jun14   | l/n Ryazan-Dyagilevo 01aug18  |
| H6K       | ---                     | 20119         | Chinese Air Force     | CGQ   | jul15   | l/n Ryazan-Dyagilevo 01aug18  |
| MA60      | <b>05 09</b>            | B-3709        | Joy Air               | rgd   | 26oct16 | f/n as such DLC 12aug18   |
| MA60      | <b>10 04</b>            | B-3722        | Joy Air               | rgd   | 26oct16 | f/n as such XIA 02aug18   |
| KJ500H    | ---                     | 81036         | Chinese Navy          | Photo | aug18   | 3th. Div.   |
| Y8C       | ---                     | 20572         | Chinese Air Force     | Photo | aug18   | 16th Div/47th Reg; l/n CGQ 03sep16  |
| Y9        | <b>51 18 03</b>         | 10253 (2)     | Chinese Air Force     | OVB   | 20jul18 | l/n Ryazan-Dyagilevo 08aug18; c/n now known   |
| Y9        | ---                     | 10158         | Chinese Air Force     | URC   | 09jul18 | bluish grey c/s with white undersides and red code, with titles                     |

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# Wrecks & Relics



Andrew London visited the paintball site at Santa Susanna, Spain, and checked the previously unknown Alouette 2. It was marked 2052 on the nose and still had ALAT code AQP on the side. (8 August 2018)

## Belarus

### Minsk

The location of MiG-29 15 red was last month listed under Minsk, Ukraine, this should of course be under Minsk, Belarus.

## Bulgaria

### Plovdiv

|     |           |        |                  |       |
|-----|-----------|--------|------------------|-------|
| 145 | L-39ZA    | stored | <b>035145</b>    | jul18 |
| 215 | L-39ZA    | stored | <b>035215</b>    | jul18 |
| 833 | L-39ZA    | stored | <b>633833</b>    | jul18 |
| 907 | L-39ZA    | stored | <b>633907</b>    | jul18 |
| 25  | MiG-21UM  | stored | <b>516999261</b> | jul18 |
| 013 | MiG-21bis | stored | <b>75094013</b>  | jul18 |
| 127 | MiG-21bis | stored | <b>75094127</b>  | jul18 |
| 249 | MiG-21bis | stored | <b>75094249</b>  | jul18 |
| 324 | MiG-21bis | stored | <b>75094324</b>  | jul18 |
| 370 | MiG-21bis | stored | <b>75094370</b>  | jul18 |
| 383 | MiG-21bis | stored | <b>75094383</b>  | jul18 |
| 850 | MiG-21bis | stored | <b>75028850</b>  | jul18 |

All are stored in a warehouse in an industrial estate.

### Locations

Three more locations are confirmed. The Stroevo MiG-21bis 427 is at N42.23761, E24.68742, MiG-21bis 045 from Evlogievo is at N43.62817, E24.88071 and the Popovitsa L-29 40 is at N42.12229, E25.05468.

## Czechia

### Boršice

|         |      |        |               |       |
|---------|------|--------|---------------|-------|
| 3240/40 | L-29 | stored | <b>993240</b> | aug18 |
| 3242    | L-29 | stored | <b>993242</b> | aug18 |

Both are stored inside a warehouse in the town. 3240 came from the Boršice airfield and 3242 from Piešťany.

### Český Brod

MiG-15bis 3259 has gone from the private collection here. MiG-21F-13 0304 and MiG-21MF 9801 are still here (l/n aug18).

### Stařeč

The unknown Delfin we mentioned last month has been checked and is L-29 2330 (a former Pisek aircraft).

### Vodochody

More ex stored L-159As have received American markings; 6009 to N270EM, 6011 to N271EM and 6013 to N277EM.

## Vyškov

The six instructional airframes of the University of Defence have been checked in August. They were still there, however L-39ZA 2350 has been replaced by L-39ZA 2415.

## France

### Bordeaux Mérignac (33)

|          |       |             |                 |       |
|----------|-------|-------------|-----------------|-------|
| 43981/81 | SNJ-5 | restoration | <b>88-16323</b> | feb18 |
|----------|-------|-------------|-----------------|-------|

The Harvard is with the CAEA and came from Lann Bihoué.

### Cognac Châteaubernard (16)

|     |      |           |            |    |
|-----|------|-----------|------------|----|
| 119 | TB30 | preserved | <b>119</b> | 18 |
|-----|------|-----------|------------|----|

The Epsilon is preserved inside a building with its tail removed.

### Peyrehorade (40)

|        |        |               |                  |       |
|--------|--------|---------------|------------------|-------|
| F-ZBBB | CeF406 | instructional | <b>F406-0039</b> | feb18 |
|--------|--------|---------------|------------------|-------|

This ex Douanes Cessna is now with the Lycée Jean Taris.

### Saint Flour Coltines (15)

|     |       |        |            |    |
|-----|-------|--------|------------|----|
| 199 | D140E | F-GSVD | <b>199</b> | 17 |
|-----|-------|--------|------------|----|

The former Châteaudun storage Jodel was registered in August 2017 to an owner at Saint Flour. This airfield is at N45.07496, E2.98950.

### Saint Victoret (13)

|        |         |                   |            |       |
|--------|---------|-------------------|------------|-------|
| (2024) | SA321GV | stored, ex Orange | <b>188</b> | mar18 |
|--------|---------|-------------------|------------|-------|

The ex Iraqi Super Frelon is now with the Musée de l'Aviation de Saint Victoret.

## Germany

### Berlin Gatow (BE)

|         |            |                      |             |       |
|---------|------------|----------------------|-------------|-------|
| (76+66) | Alouette 2 | stored, ex Bad Oeyn. | <b>1732</b> | jun18 |
| 99+07   | G91R/3     | stored, ex Dresden   | <b>460</b>  | jun18 |
| DF+316  | F-84F      | stored, ex Dresden   |             | jun18 |

The museum welcomed back three of its aircraft. All are stored in hangar 6.

### Cochstedt (ST)

Ex French Army L-19E 24539/D-ELIR was noted at Saltsgiter in June 2018. It will be based at Cochstedt in due time.

### Eilenburg Roitzschjora (SN)

|        |          |                      |               |       |
|--------|----------|----------------------|---------------|-------|
| 97+09  | Elster B | D-EMEL               | <b>016</b>    | jun18 |
| (0408) | CSS-13   | D-EHML, ex Jahnsdorf | <b>0408</b>   | jun18 |
|        | Yak-52   | SP-YDN, ex Köthen    | <b>856113</b> | jun18 |

The Elster is listed in EMOOS as base unknown.

## Hodenhagen (NI)

Noted on overhaul with Classic Aviation in June 2018 was Auster 5 TJ527/D-ECIL. It was said it was based at Weser Wümmen.

## Lehning (BB)

93+80 Mi-8PS stored, ex Bückeburg **10597** jun18  
Mi-4A 571 is still at the military training area, it is some kilometres away from the other aircraft, deep in the woods.

## Paderborn Lippstadt (NW)

Ex Swedish Sk12 (a Fw44J Stieglitz) 622/D-EMNN has been sold and now lives at Bagby, UK

## Hungary

### Kövesgyűrűpuszta

|       |            |                           |               |       |
|-------|------------|---------------------------|---------------|-------|
| 96+07 | Mi-24D     | stored, ex Budapest       | <b>110165</b> | jul18 |
| 96+24 | Mi-24D     | stored, ex Tata           | <b>B4071</b>  | jul18 |
| 96+27 | Mi-24D     | stored, ex Budapest       | <b>110162</b> | jul18 |
| 96+28 | Mi-24D     | stored, ex Budapest       | <b>110164</b> | jul18 |
| 730   | Mi-8S      | stored, ex Budapest       | <b>200730</b> | jul18 |
| 10422 | Mi-8T      | 628, stored, ex Buda.     | <b>200128</b> | jul18 |
| 10428 | Mi-8T      | stored, ex Budapest       | <b>10428</b>  | jul18 |
| 10444 | Mi-8T      | stored, ex Budapest       | <b>10444</b>  | jul18 |
| 406   | MiG-21PF   | stored, ex Szolnok        | <b>760406</b> | jul18 |
| 2221  | MiG-21F-13 | stored, ex Tata           | <b>742221</b> | jul18 |
| 2311  | MiG-21F-13 | stored, ex Szolnok        | <b>742311</b> | jul18 |
| (42)  | Mi-2       | HA-BCG, stored, ex Soviet |               | jul18 |

A new collection has been set up near Veszprém (N47.03027, E17.79475).

## Slovakia

### Orechová Potôň

33 yellow Mi-24D 0102, preserved **340102** aug18  
The ex Milovice Mi-24 has been added to the collection at the Slovakiaring race track. The collection's Mi-2 remains still unknown, as the c/n plate has been removed.

### Stará Ľubovňa

3041 MiG-21UM preserved **516913041** jun18  
The former Piešťany MiG-21 is now preserved outside at the Vojenská expozícia Michala Strenka at N49.31613, E 20.69706.

## Spain

### Santa Susanna

|          |            |                    |             |       |
|----------|------------|--------------------|-------------|-------|
| 2052/AQP | Alouette 2 | stored, ex ALAT    | <b>2052</b> | aug18 |
| 1562/AHB | Alouette 3 | stored, ex ALAT    | <b>1562</b> | aug18 |
|          | Alouette 3 | stored, c/s F-RBPX |             | aug18 |

The paintball field of the Activ Natura has been checked. The Alouette 2 has now been identified. On the second Alouette 3 only callsign F-RBPX could be found. This Alouette 3 might be 2254 (ex Marseille).

## Sevilla San Pablo

The new markings for two formerly stored CASA 212-200s are known. TR.12D-78 (ex EC-LSL) has become N587AB and TR.12D-80 (ex EC-LSK) N8517A.

## United Kingdom

### Doncaster, South Yorkshire

(AE-406) UH-1H preserved **13190** aug18  
The South Yorkshire Aircraft Museum took delivery of the cabin of an ex Argentine Huey from RAF Valley on 8 August 2018. Formerly an instructional aircraft at SARTU, it is currently painted in the colours of an RAF Griffin.

### Goodwood, West Sussex

Boulton Aviation have repainted their T-6G 49-3072/(G-TEXN). It is now in false RAF colours as "KF402/HT-Y".

### Hendon, London

The RAF Museum has placed the cockpit of WC-130E 64-0553 on display. It is on loan from the Pima Air Museum.

### Horsham, West Sussex

Three of the Australian Navy Sea King Mk50/50As at Aerospace Logistics have now been unpacked from their bags, comprising N16-114/05, N16-238/20, N16-239/21.

### Long Stratton, Norfolk

F-ZWWW Tiger stored **PT1** aug18  
A Tiger prototype can be found at a Stratton Motor Car workshop in Wellesley Road. It is at a remote workshop, not the main site.

### Manmoel, Wales

Updating last month; Hunter F51 WT720 (E-408), went to Lee-on-Solent, Hampshire, where it will be restored and displayed.

### Woking, Surrey

Hunter T7 XL623 was removed from its pole on 22 July 2018, and will eventually be taken to Dunsfold for assessment and restoration.

Credits: Phil Adkin, Alan Allen, Ed Davison, Paco Rivas, Václav Kudela, Andrew London, Klaas van Os, Andy Patsalides, Barry Wilde, Peto Yaanoshca.



Phil Adkin was quick to check the Delfin at Stařeč, Czechia, we mentioned last month and it is L-29 2330. (4 August 2018)

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During the 2018 edition of the EAA AirVenture at Oshkosh (WI), Ad Jan Altevogt ran into this former Dutch Spitfire Mk.IX MK959, once H-15/3W-15. For many years the fighter served as a gate guard at Eindhoven AB before it was sold to the USA for restoration in 1994, where it received the registration NX959RT. (24 July 2018)

## Netherlands

After a ground-up restoration by the Biggin Heritage Hangar, Spitfire Mk.XVIe TB885 (CBAF.10917) made its first flight on 4 August. The fighter is finished in the original colours of '3W-V', like it was flown in early 1945 while in use with RAF 322 (Dutch) squadron. The aircraft is owned by Dutchman Frits van Eerd, CEO of supermarket chain Jumbo. TB885 now flies under British registration, G-CKUE, but will receive a Dutch one after moving to Holland.

In a letter to their sponsors, the chairmen of the Friends of the Catalina and the Catalina Exploitation Foundations had to spread bad news. The organisations regretfully had to inform everyone that from October 2018 their Dutch Catalina PH-PBY/16-218 will no longer be flying in the Netherlands, even though it has been fully restored and is operational again. The beloved Cat will most likely be sold abroad. Four reasons were given for their decision: the first was the inability to recover the loss of income after the aircraft had been grounded following the landing incident with stuck nose gear in August 2017. The second was the fact that financial support from government and private sources was almost zero. The third reason was the fact that flying with sponsors had now been deemed a commercial activity by the government, leading to less income generated due to taxation. And reason number four was that through a lack of skilled volunteers more and more help had to be hired at cost to maintain and service the Catalina. Very, very sad!

## France

As part of the 75th anniversary of D-Day and the Battle of Normandy in June 2019, preparations have begun for an exceptional commemoration. Next to the 'Daks over Normandy' event already mentioned in our section, there is a new, thrilling, initiative. From 6 to 9 June 2019, the French association 'L-Birds back to Normandy' is organizing an unprecedented gathering of liaison aircraft, often referred to as L-Birds (L for Liaison). This gathering will include Piper L-4 Grasshoppers, Stinson L-5 Sentinels and other rare L-Birds, some of which are the only airworthy remaining examples! More than 40 liaison aircraft, all authentic and in their wartime colours will fly to Normandy from all over Europe. This will be the largest concentration of liaison aircraft since 1945, all being veterans and representing the various types of liaison aircraft used by the belligerents during the war. They will be displayed together, flown by pilots from thirteen different countries.

The rallying point before the commemorative flights will be the Saint André de l'Eure airfield, a former German base which became Advanced Landing Ground B-24 when the Allies took control. This airbase was home to C-47 Dakotas and hundreds of L-Birds during the Battle of Normandy.

## Norway

The crash remains of Royal Norwegian AF Supermarine Spitfire Mk.IX MK997 'CP-A' were finally beached on 13 August, at Lake Samsjoen. Divers had located the large pieces and using flotation bags had brought them in close to the shoreline some weeks ago. A helicopter was then used to ferry the parts around the shore line to a vehicle access point. Seven years ago (2011) the centre section of the fuselage, containing the remains of pilot 2nd Lt. Finn Thorstensen, was already recovered. He died in the crash of MK997 on 4 August 1950 and is honoured in a memorial on the shore of Lake Samsjoen. Given the amazing condition of the wreckage, it will most certainly fly again. Already in December 2017 the Norwegian Flying Aces stated it would be rebuilt as a two seat flier. MK997 will eventually join Spitfire Tr.IX EN570 LN-AOA already under rebuild to two seater

## Russian Federation

Earlier this year, the Russian Wings of Victory Foundation had located the wreck of a single seat Ilyushin Il-2 on the bottom of a lake in the area of Murmansk. It was salvaged by WVF volunteers on 8 August. During an attack on the German airfield of Luostari on 22 August 1943, the Sturmovik was hit by enemy fire. Then its pilot, Captain Kaličev Alexander Ivanovich, managed to return to his own territory and make an emergency landing on the surface of the lake. The plane eventually sank to a depth of 18 metres. Regarding the long duration of submersion, the wreckage is in remarkable good condition. It is already decided that the Il-2 will be sent to Boris Osetinsky's Aviarestoration Company in Novosibirsk to be restored to flying condition. This is the same company that has restored the other two flying Sturmoviks in the world.

## Switzerland

In 2012, three young people discovered a plane's propeller on the Gauli glacier. The heatwave of the past weeks has now uncovered the rest of the wreckage debris of USAAF Douglas C-53 Skytrooper 42-68846. (The Skytrooper was a military, passenger-only, variant of the civilian Douglas DC-3 airliner) While traveling from Austria to Italy it collided with the Gauli



The Cavanaugh Flight Museum of Addison (TX) is the proud owner of Douglas AE-1E 135152 (N65164). It is one of the few survivors of the 218 aircraft that were built of this three seat AEW version of the Skyraider. (Oshkosh (WI), 27 July 2018, Ad Jan Altevogt)

Glacier at an altitude of 10,990 feet (3,350 m) on 19 November 1946. Four crew members and eight passengers were on board during the crash. Several people were injured but there were no fatalities. Among the passengers were high-ranking U.S. service members traveling with relatives. The crew and passengers were rescued six days later. At first met by Swiss soldiers on skis, they were flown to safety on 24 November. Swiss Air Force pilots Captain Victor Hug and Major Pista Hitz who had managed to land two Fieseler Storch aircraft on the glacier beside the rescuers.

### United Kingdom

Former Aviation Heritage Ltd. (Air Atlantique) DeHavilland DH112 Venom FB1 G-VENM (824) was cancelled from the British register on 13 August. The 1955 built twin boomer was once part of the Swiss Air Force, flying as J-1614. The fighter, flying as RAF WK436, will be shipped to the USA. It was bought by Marty Tibbits.

### United States

On 15 July 1942, due to poor weather and limited visibility, six P-38 fighters of 94th Fighter Squadron/1st FG and two escorting/navigating B-17 bombers were forced to return to Greenland en route to the British Isles during Operation Bolero. The aircraft were forced to conduct an emergency landing on the

glaciers of Greenland, and though all the crew members were rescued nine days later, the aircraft were left behind. Over the decades, the ever-shifting ice sheets of Greenland buried the aircraft, known as the Lost Squadron, under between 250 and 300 feet of ice. Fifty years later, in 1992, one of the P-38s was extracted from the ice and restored to flying condition: the famous P-38F 41-7630 'Glacier Girl' made its first post restoration flight in 2002. This Lightning is now part of the Lewis Air Legends collection of San Antonio (TX) Recently, a second P-38 has been located, The aircraft has been identified as the P-38 'Echo' piloted by Robert Wilson on that dramatic day in 1942. The search team, with support from the governments of Greenland, the United States, and the United Kingdom, plans to return next summer to begin the extraction process of the P-38. Like during the recovery of Glacier Girl, the team will use large heat plates to tunnel down to the aircraft, and then send workers down to clear out a cavern around the plane with blasts of hot water. The P-38 will be disassembled and sent up piece by piece. And the search team has more to discover, because in the same area not only the remaining four Lightnings and the two B-17s, but also a Grumman JRF-1 Duck and a Douglas C-53 can be expected.

Credits: CBS news, l'Echarpe Blanche, Flypast.



Developed parallel with the more familiar F-86 Sabre, the FJ-4B Fury was a dedicated US Navy/USMC fighter. This Fury, 143575 (N400FS) is the only flying example of its kind. The registration reveals its last operator, Flight Systems, for which it flew from 1977 to 1982 during trials with Pershing missiles. (Oshkosh (WI), 26 July 2018, Ad Jan Altevogt)

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# Dustpan & Brush



On 10 August a 29-year old Horizon Air employee stole this Alaska Horizon Dash 8-400 from the Plane Cargo 1-apron, at the north end of Seattle-Tacoma (SeaTac for the locals) (WA), taxied to runway 16C and took off without Air Traffic Control clearance. Several attempts to call the aircraft went without a reply, so two F-15 Eagles from Portland based Oregon ANG's 142nd Fighter Wing "Redhawks" (under command by NORAD) were scrambled for an intercept. ATC managed to get hold of the aircraft, and the sole person onboard identified himself as Rich. He described himself as "a man in crisis." After some casual chitchat with the controllers and some aerobatics (he performed a barrel roll!) he ended up crashing the Dash into a forest at Ketron Island (WA), about 22 miles south-west of Seattle-Tacoma, about one hour after departing Seattle. (Seattle-Tacoma, 27 July 2014, Kees van Boven)

## Additions & Corrections:

11nov17 64-13213 T-38C **N5642** w/o  
See Scramble 463.

27jan18 A46-311 EA-18G **AG-11** w/o  
Final decision has been made, and not in the Growler's favour; it has been declared damaged beyond economical repair.  
See Scramble 466.

09jul18 103 rd Mi-8MTV w/o  
See Scramble 471.

16jul18 723 IAR-99C w/o  
See Scramble 471.

17jul18 17002 MUH-1 w/o  
See Scramble 471.

## New Accidents:

14apr18 EK-74036 An-74-200 **36547098965** w/o  
An Antonov An-74 of Ayk Avia was damaged in an accident at Akola village, South Sudan. Photos have emerged online, showing the aircraft in a field near a river. The aircraft sustained damage to the undercarriage and a fuel tank in the wing began to leak. The engines were removed and the aircraft has been left in the field, meaning it is considered as a write-off.

17jul18 2048 T-6C+ w/o  
The Fuerza Aérea Mexicana lost a T-6C+ of Escuadrón Aéreo 402 when it crashed at Base Aérea Militar No 2 General Antonio Cárdenas Rodríguez, Ixtepec, Oaxaca, after it suffered an inflight mechanical failure while on a training flight. Both pilots ejected safely.

26jul18 UP-B5705 B757-204 **27237** dam  
SCAT Airlines flight DV5038, from Hurghada, Egypt to Almaty, Kazakhstan, was landing on runway 23L when the chartered Sunday Airlines Boeing 757 suffered a tail strike. The flight crew performed a go-around and landed safely 25 minutes later. No one was injured but the aircraft sustained substantial damage.

27jul18 9S-GFS An-2R **1G201-29** w/o  
An Antonov 2 operated by Air Kasai was destroyed when it crashed and burned three kilometres from Kamako, Democratic Republic of the Congo. There are said to have been seven persons onboard the aircraft. The pilot and one passenger survived the accident.

|         |         |            |                |
|---------|---------|------------|----------------|
| 28jul18 | YJ-AL2  | BN-2A-27   | <b>609</b> dam |
| 28jul18 | YJ-AV71 | ATR72-212A | <b>720</b> dam |
| 28jul18 | YJ-OO9  | BN-2A-8    | <b>65</b> w/o  |

An ATR72-500 of Air Vanuatu was operating flight NF239 from Tanna-White Grass Airport to Port Vila-Bauerfield Airport, Vanuatu, when the flight suffered a loss of power of one of the engines. At that time the aircraft overflew the island of Erromango, and was twenty minutes from Port Vila. According to a passenger, thick smoke filled the cabin. The engine was shut down by the crew. The flight continued to the destination, since it was only a short distance away. During landing, the aircraft is said to have departed the side of the runway. It impacted a parked BN-2 Islander of Unity Airlines and severing the vertical stabilizer of another parked BN-2 Islander of Air Taxi Vanatau.

On 3 August Papua New Guinea's Accident Investigation Commission (AIC) reported the investigation has been delegated to them, the ATR was about 57nm south of Port Vila when the crew heard a loud bang followed by a low oil pressure indication for the right hand engine and the activation of all three Elec-Smoke, Fwd Smoke, Aft Smoke indications. The right hand engine was shut down and proceeded to Port Vila, where the aircraft landed and immediately veered off the runway, crossed a taxiway onto the General Aviation parking area and hit two Britten Norman Islanders before coming to a stop.

One week later, on 10 August, AIC released their preliminary report stating the crew heard a bang, the engine instruments showed a loss of oil pressure on the right hand engine and smoke entered the aircraft. The right hand engine was shut down. The crew reported there were aircraft control anomalies with uncommanded roll actions by the aircraft. During initial touch down the aircraft veered left and tracked towards a hangar about 450 metres from the runway and impacted two unoccupied Britten Normal Islanders. The captain reported they had no nose wheel steering or brakes and were unable to stop the aircraft. After impact and coming to a stop an orderly aircraft evacuation was performed.

|         |        |          |                    |
|---------|--------|----------|--------------------|
| 29jul18 | PP-SZN | BeC90GTi | <b>LJ-1910</b> w/o |
|---------|--------|----------|--------------------|

A Beechcraft C90 King Air of Videplast, a plastics company, crashed onto the runway at Campo de Marte Airport in São Paulo, with seven people onboard around 18:10 local time. Prior to landing the crew reported a malfunction in the

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landing gear and made two low passes over the airport. The third time, making a new approach, it turned 180 degrees around the longitudinal axis and crashed onto the runway inverted and finished on a taxiway. One of the two pilots onboard died.

30jul18 RA-40649 An-2R **1G213-56** dam  
A private Antonov 2 crashed under unknown circumstances in the Evenki District, Krasnoyarsk Krai, injuring two passengers. The crew of two and one passenger were OK.

30jul18 C-GRRS PA-60-602P **60-8265026** w/o  
Subsequent to an inflight emergency, the private Piper AeroStar impacted an adjacent field during the landing attempt at Greenville Municipal Airport (ME). The airplane sustained unreported damage and the three occupants onboard received fatal injuries. The NTSB (National Transportation Safety Board) said, "the twin-engine propeller aircraft reported a loss of power".

30jul18 B-70QC Bell 429 **57157** w/o  
A Bell 429 GlobalRanger with four people onboard crashed into a park in the Chinese capital of Beijing. The female pilot gets a hero status as she was able to steer her 429, owned by Reignwood Star Aviation, away from crowded areas before it crashed in the north-eastern part of the city. A video showed the helicopter losing control in mid-air and corkscrewed to the ground before crashing. Incredibly, all people survived the crash.

31jul18 XA-GAL ERJ190AR **19000173** w/o  
AeroMéxico Connect flight AM2431 crashed during take-off from runway 03 at Durango-Guadalupe Victoria International Airport, due to a sudden change in weather conditions. A post-impact fire ensued, destroying the aircraft, but all four crew members and 99 passengers survived the accident. During the emergency evacuation two passengers and the captain received serious injuries, 83 people received minor ones. Some occupants already gave TV interviews within two hours after the accident.

The Embraer was prepared for the return flight when there was a broken layer of cumulonimbus clouds at 2,500ft. Airport weather information shows that a thunderstorm had developed by 15:18 hour's local time and the temperature had dropped from 28°C to 20°C over the previous hour.



*AeroMéxico Connect flight AM2431 was lined up on runway 03 at Durango-Guadalupe Victoria International Airport, Mexico, on 31 July, when a developing thunderstorm overhead the airport started causing trouble. Shortly before departure weather conditions already started to deteriorate, resulting in a supercell. Risks associated with a supercell are, among others, severe down draughts, also known as windshear events. This is what caused Embraer 190 XA-GAL to never get properly airborne before going off the runway, where a post-impact fire ensued, which in the end destroyed the aircraft. (Mexico, 21 July 2018, Enrique Giese)*

It was reported that the aircraft commenced the take-off roll on runway 03 about 15:30 hours local time (planned departure time was 15:09 hours). According to a statement from the governor of Durango, the aircraft became airborne but lost altitude after being "affected by a gust of wind". The aircraft "descended abruptly" and hit the ground to the left of the runway, left wing first. Both engines broke away during the subsequent ground slide. The aircraft came to rest about 380m past the runway threshold and 320m past the paved end of the runway, slightly to the left of the extended centreline. The length of runway 03 is 2,900m.

The following day, Mexico's Ministry of Transport (SCT) reported the aircraft failed to take-off and never became airborne, but veered off the runway and ran through rough terrain, causing substantial damage to the aircraft, including both engines detaching from the airframe. The crew immediately initiated an evacuation of the aircraft, within ninety seconds, after coming to a standstill before a fire broke out, consuming the aircraft. The same day Mexico's DGAC reported the black boxes have been recovered and are being sent for read out. On 3 August the National Union of Air Traffic Controllers in Mexico reported the decision to depart rested solely with the captain of the flight. The controller provided the captain with the current weather information. Here are two videos showing what happened, filmed from the cabin:

[www.youtube.com/watch?v=Enx9o7irrGc](http://www.youtube.com/watch?v=Enx9o7irrGc)

[www.youtube.com/watch?v=KbWLVuiLFA4](http://www.youtube.com/watch?v=KbWLVuiLFA4)

This is a video of the storm moving over Durango: [www.youtube.com/watch?v=pRJ5-T9dwpY](http://www.youtube.com/watch?v=pRJ5-T9dwpY)

31jul18 LV-IYC Be95-B55 **TE-279** w/o  
A twin engine Beech Baron of Acindar crashed under unknown circumstances five miles from Resistencia, Chaco, Argentina. The occupants survived.

01aug18 C-FNCI PA-31-310 **31-8112007** w/o  
The Piper Navajo C of Aries Aviation Services departed Penticton Airport (Alb.) on a survey flight to Calgary-Springbank (Alb). En route, during unknown circumstances, it struck the rocky slope of a mountain located in the Rae Glacier, near Kananaskis. Both occupants, a pilot and a technician, were killed.



Sadly all crew and passengers of this Ju-Air 'Tante Ju' Junkers Ju-52 HB-HOT perished after it crashed at Martinsloch-Piz Segnas, Switzerland, during a sightseeing flight, on 4 August. Five helicopters were dispatched for rescue and recovery and the wreckage was located at the western flank of Piz Segnas. Since these oldtimers are not required by regulation to carry an FDR (Flight Data Recorder) and/or CVR (Cockpit Voice Recorder), it will be extremely challenging for the investigators to find out what exactly happened. They will have to rely on eye witness accounts, of which there were a few. It is seen here 25 years ago, on 22 May 1993, at Dusseldorf by Walter Heukensfeld.

01aug18 RA-15652 Mi-2 **5410429117** w/o

A Mi-2 of Kavkaztrans crashed onto a rice field during an aerial application flight near Novomishastovskaya, Krasnoarmeysky district. The aircraft caught fire and the pilot died.

04aug18 RA-25640 Mi-8AMT **8AMT00643084205U** w/o

Two UTair Mi-8s took-off close to each other at the Vankor oil field, near Igarka, Turukhansk, Krasnoyarsk region, Siberia. The first take-off was carried out by Mi-8AMT RA-22427 with an external cargo load and without passengers. The second was performed by Mi-8AMT RA-25640 with passengers (oil workers reportedly employed by Rosneft). According to preliminary information, after take-off, the passenger Mi-8AMT collided with the external load of the other helicopter, crashed about two kilometres from the airfield and caught fire. All three crew members and fifteen passengers were sadly killed. The crew of the other helicopter dropped the external cargo suspension and landed without injuries.

04aug18 HB-HOT Ju-52 **6595** w/o

A Ju-Air "Tante Ju" (Junkers Ju-52), impacted terrain near Martinsloch-Piz Segnas, Switzerland, and came to rest at an elevation of about 2,540m/8,330ft, at about 16:50 hours local time. Five helicopters were dispatched for rescue and recovery and the wreckage was located on the western flank of Piz Segnas. A flight restriction to protect rescue and recovery operation was issued. Ground observers watched the aircraft flying in the area over Obersaxen, Switzerland, south of Piz Segnas and estimated they were flying at 11,000ft. On Saturdays during the summer season Ju-Air regularly conducts scenic round flights departing from Dübendorf via Surselva, Val Lumnez and back via Martinsloch. This flight takes place among high elevation, with terrain rising from 2,600m up to 3,000m. Mode-S Data show HB-HOT departing and climbing through 4,500ft between 16:20 and 16:25, while on a flight from Locarno to Dübendorf. Sadly all three crew members and seventeen passengers did not survive the crash.

On 6 August a ground witness, a military pilot, reported he had observed the aircraft from his garden about ten minutes prior to the accident. He saw the aircraft rolling to initiate a left turn when all of the sudden the aircraft tipped over to the left and nose down. One of the motors roared up and seconds later the aircraft was stabilized again and continued its flight

normally. The military pilot believes this was a first indication of a serious control problem. It is probable, the witness continued, that they had the problem again up in the mountains and were not able to correct it. If the controls fail in this scenario with the aircraft tipping to the side, the nose drops and the aircraft impacts ground near vertical.

On the same day another ground witness, located at the alpine hut at Segnesspass/Martinsloch, reported that the aircraft was tracking north passing Martinsloch, but before overflying the ridge the aircraft entered a left turn and then went down, as if following a plumb line. Initiating the turn until impact lasted less than fifteen seconds.

04aug18 1803 T-35B **226** w/o

The Fuerza Aérea Republica Dominicana lost a T-35B Pillán while it was conducting a patrol mission at the Haiti border, when it came down near Elías Piña. FARD Pilláns are often used in this role, to secure the border area. Two helicopters were immediately dispatched to the area and one brought the injured co-pilot first to the hospital Elías Piña and after onwards to the military hospital at San Isidro air base, near Santa Domingo. The captain, who lost his life in the crash, was evacuated from the scene with the second helicopter.

This is the fourth FARD Pillan write-off, out of eight aircraft delivered in 1999-2000. Pillán 1803 is said to have been involved in a previous accident on 11 August 2016, but has apparently since been repaired. The Pilláns are operated by the Escuela de Aviacion (flight school) of the FARD.

04aug18 N323KT DHC-2 Mk.I **1022** w/o

Alaska National Guard crews were attempting to reach a K2 Aviation Beaver that crashed in Denali National Park near North America's tallest peak. Lt. Col. Candis Olmstead, with the State Department of Military and Veterans Affairs, said the crash was first reported at about 18:00 local time. It was carrying four Polish tourists plus its pilot, with no immediate word on their condition. "An Air Guard HC-130 is flying over the coordinates that came in from an ELT and offered by the (crashed) pilot, who has a satellite phone and was talking with the private air tour company he works for," Olmstead wrote. "Searchers don't have eyes on (the) aircraft yet because of cloud cover between them and the aircraft." Flightseeing firm K2 Aviation said it was the operator of the DHC-2 Beaver, which had been on a flight near the Kahiltna

Glacier at the time it went down. In addition to the Hercules, an HH-60 Pave Hawk and Guard para rescue men had been sent to Talkeetna, where the aircraft was based.

The aircraft was located on 6 August. A park ranger was winched down and after digging through the snow confirmed five fatalities. The bodies remain on scene due to bad weather and heavy clouds. "It will be challenging to extract the wreckage", according to the authorities.

Five days later, on 11 August, the National Park Service declared it will end its efforts to recover the bodies and wreckage. "The decision has been made that it is not feasible to recover the bodies or aircraft," said spokeswoman Katherine Belcher.

05aug18 N727RP Ce414 414-0385 w/o

Unfortunately a Cessna 414 of Category III Aviation crashed on a busy parking lot, about 1,500m before the runway of John Wayne Airport, near the city of Santa Ana (CA). The pilot and four passengers were killed in the crash. Shortly before landing at John Wayne Airport the pilot declared an emergency during the approach, before crashing vertically nose down and impacting at least one car on a commercial centre parking lot at the 3800 block of Bristol Street in Santa Ana. The reason for the crash is not known. The unfortunate Cessna was registered to Category III Aviation. All passengers worked for the Northern California Real Estate consulting firm.

This video shows the actual crash, and you can clearly see the aircraft going straight down: [www.youtube.com/watch?v=Dta0DtPv5FA](http://www.youtube.com/watch?v=Dta0DtPv5FA)

06aug18 RA-15629 Mi-2 5210050017 dam

Veltal-Avia Airlines' Mi-2 crashed under unknown circumstances near the Uvat locality, Uvatsky district, Tyumen Region, with both occupants surviving the mishap. Exactly what happened is unclear.

07aug18 N961AA Da20D 205 w/o

Quite a few Falcon 20s were rebuilt to freighter versions, initially for cargo feeders like FedEx. This particular Falcon, operated by Alliance Air Charter, not however, but takes nothing away from the crash it was involved in. It was enroute from Santiago de Querétaro to Laredo (TX) with automotive parts, but diverted to San Luis Potosi with engine problems. While approaching by night, the crew was forced to make an emergency landing, striking the ground, losing its undercarriage and came to rest in an agricultural area located in Peñasco,

about six kilometres north-east of the runway 14 threshold. The left wing was bent and partially torn off. Both crew members were slightly injured and the aircraft was damaged beyond repair. Sadly a donkey was killed in the accident.

07aug18 VT-UDN Ce208B 208B2420 dam

Supreme Airlines had one of its Cessna Grand Caravans, operating passenger flight 503 from Japur to Lalgargh Air-strip, overrun the runway at Lalgargh. It impacted a wall and received substantial damage. Apparently a flock of birds was to blame for the incident. Luckily none of the nine occupants were injured.

07aug18 N607RA Bell 206B-2 678 w/o

The Bell JetRanger II of Ranger Aviation impacted terrain at Basin City, Franklin County (WA) while making a low level turn during an aerial application. The helicopter was destroyed, but there were no reported injuries.

09aug18 CN-RGT B787-8 35509 dam

09aug18 TC-JJZ B777-3F2ER 44122 dam

Royal Air Maroc flight AT911, from Istanbul-Atatürk International Airport to Casablanca-Mohamed V Airport operated by Dreamliner CN-RGT, struck the tail section of a parked THY Turkish Airlines Boeing 777-300. The Boeing 787-8 was pushed back from gate 226 at 17:37 local time and subsequently started taxiing on taxiway A, towards the departure runway. The right hand wing tip of the aircraft impacted the underside of the tail section of the Boeing 777, ripping away the APU covers, which was parked at gate 218. The Boeing 777 had arrived from New York-JFK as flight TK12 and arrived at the gate at 17:18 hours.

09aug18 PH-CJX BeG58 TH-2499 w/o

This brand new private Beech Baron, delivered from the factory on 28 June and had only operated six flights since, departed Lelystad Airport, the Netherlands, at 11:04 on a (likely type rating) check ride to Münster-Osnabrück Airport, Germany. Onboard were a German instructor (59) and the Dutch owner of the aircraft (Bert Verwelius, 64). The pilot carried out an approach to runway 07 at Münster-Osnabrück Airport and performed a go-around, which is normal for a check ride. During the second approach to runway 07 the unfortunate Baron crashed and preliminary information suggests that the aircraft went off the runway and flipped over. It came to rest inverted close to the perimeter fence. Airport operations were subsequently suspended until ca. 16.30h.



Brand new and already a write-off! Not an impressive record for this Dutch Beech Baron, which crashed at Münster-Osnabrück Airport, Germany, during a check ride for the Dutch owner, on 9 August. (Lelystad, 18 July 2018, Richard Poeser)

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Another oldtimer that bit the dust during a sightseeing flight, this time a K2 Aviation Beaver, based at Talkeetna (AK), that crashed in Denali National Park near North America's tallest peak. Walter Heukensfeld paid a visit to this lovely little airfield on 13 May 2015, where he could walk around and take this picture of N323KT.

10aug18 N449QX DHC-8-402 4410 w/o

Not your every day accident!

An Alaska Airlines (operated by Horizon Air) de Havilland Dash 8 was taken for a spin by 29 year old Horizon Air employee, obviously without authorisation. He managed to start up and taxi the Dash and took off from Seattle-Tacoma's runway 16C. The aircraft was subsequently seen in what appeared to be aerobatics or uncontrolled flight. Two F-15 Eagles from Portland were dispatched at supersonic speed (and creating sonic booms). The Dash 8 crashed into a forest at Ketron Island (WA), about 22 miles south-west of Seattle-Tacoma, about one hour after departing Seattle.

Initial reports suggest that the Eagles shot down the Dash 8, but they were denied by the Department of Defence and North American Aerospace Defense Command (NORAD).

This is a video of what took place: [www.youtube.com/watch?v=LeYVtVg6aGs](http://www.youtube.com/watch?v=LeYVtVg6aGs)

This is part of the transcript:

Rich: ...Some gas to go check out the Olympics and errr, yeah. Air traffic controller (ATC): Ok and Rich, do you know, are you able to tell what altitude you are at?

Rich: Yeah that's all mumbo... I have no idea what all that means, I wouldn't know how to punch it in. I'm off autopilot. (Inaudible)

Rich: You taking me to the jets?

ATC: Nah I'm not taking you to any jets, I'm actually keeping you away from aircraft that are trying to land at Sea-Tac.

Rich: Oh ok yeah I don't wanna screw with that. I'm glad you're not, you know, screwing up everyone else's day on account of me.

ATC: (Inaudible) Can we just shut down?

Rich: I'm down to 21 hundred, I started like 30 something.

ATC: Rich you said you had 2,100 pounds of fuel left?

Rich: Yeah I don't know what the burnage... burnout... is like on take-off, but yeah it's burned quite a bit faster than I expected.

ATC: (Inaudible)

Rich: Ah man those guys would rough me up if I tried landing that. I think I might mess something up there too. I wouldn't want to do that. I'll hopefully... Oh they've probably got anti-aircraft!"

ATC: No they don't have any of that stuff. We're just trying to find a place for you to land safely.

Rich: Yeah I'm not quite ready to bring it down just yet, but holy smokes I've got to stop looking at the fuel because it's going down quick.

ATC: Ok Rich if you could, could you start a left-hand turn, and we'll take you down to the southeast please.

Rich: This is probably like jail time for life, huh? I mean I would hope it is for a guy like me.

ATC: Well Rich we're not going to worry or think about that, but could you start a left-hand turn please?

Rich: Hey, you think if I land this successfully (inaudible) would give me a job as a pilot?

ATC: You know I think they would give you a job doing anything if you can pull this off.

Rich: Yeeeeeahhhh right! Nah I'm a white guy... (audio cuts).

ATC: If you wanted to land, probably the best bet is that runway just ahead and to your left. Again that's McChord field, um, if you wanted to try that might be the best way to set up and see if you can land there, or just like the pilot suggests another option would be over Puget Sound into the water.

Rich: Dang, you talk to McChord yet? Because I don't think I'd be happy with you telling me I could land like that, because I could mess stuff up.

ATC: Well Rich I already spoke to 'em and just like me, what we want to see is you not get hurt or anybody else get hurt, so like I said if you want to try to land that's probably the best place to go.

Rich: Hey I want the coordinates of that orca, with err, you know the mama orca with the baby, I wanna go see that guy.

10aug18 JA200G Bell 412EP 36132 w/o

All contact with the Toho Air Service Bell 412 was lost after 10:01 local time, and the helicopter was subsequently found crashed near Mt. Yokote, Gunma prefecture, before 15:00. All nine onboard received fatal injuries. The Bell 412EP, named "Haruna" (after Mt. Haruna), was on an inspection flight for a new mountain trail which would be opened the following day. Those aboard were two prefectural disaster management officials, two employees of Toho Air Service and five firefighters, according to the prefectural government.

10aug18 PP-MES AS350B2 4501 w/o

A Helibrás Esquilo of the Polícia Militar do Estado do Espírito Santo made a forced landing on a farm football field at Domingo Martins, Espírito Santo, with four persons onboard. It collided with the football goal crossbar and soon after hit the ground, sustaining a lot of damage. None of the occupants were injured.

11aug18 PK-HVQ PAC750XL 144 ? w/o

A PAC 750XL of Dimonim Air, with two pilots and seven passengers, was reported missing on a flight between Tanahmerah Airport and Oksibil Airport, Papua, Indonesia. The flight should have a duration of 42 minutes but failed to arrive at Oksibil. Search operations were being conducted once it did not arrive. Some people in a nearby village reported they heard loud sounds and an explosion. The wreckage of the plane was located near Oksibil Airport. Eight occupants died in the crash, a boy was the only survivor.

The aircraft made the first contact with Oksibil Tower at 05.11 UTC (Universal Time Coordinated, also known as Zulu-time, with Indonesia being nine hours ahead, making it 14:11 local time), with Air Traffic Control communicating to them the weather report. At 05.17z (14:17) the PAC reported overhead the airport at 7,000ft. After the overhead position, communication between Oksibil Tower officers and the plane was immediately cut off. Oksibil Tower officials also were unable to communicate outside the Oksibil area using cell phones due to signal conditions.

11aug18 N683DH DH.89A 6782 dam

Built in 1946, this vintage Dragon Rapide of Historic Flight Foundation (still with its former and original British registration G-AHXW painted on) experienced a loss of directional control and subsequent runway excursion during a take-off at the Abbotsford International Airshow at Abbotsford Airport (B.C.). It was not conducting a display flight but the vintage biplane sustained substantial damage subsequent to the landing gear collapse. Three occupants suffered non-life-threatening injuries, one had serious injuries, and one was in critical condition.

12aug18 Mi-8 w/o

Five dead and thirteen injured was the sad outcome after a Mi-8 of an unknown operator crashed at a height of 4,200m, near the Isomoili Somoni peak, part of the Pamir mountain range, Tajikistan. The helicopter was carrying mountain climbers from the base camp. It is said that bad weather conditions have played a part in the cause of the accident. The Mi-8 tried to land on the edge of the Fortambek glacier, some 300 kilometres (186 miles) east of the Tajik capital, Dushanbe. At 7,495m (24,590ft), the Isomoili Somoni mountain is Tajikistan's highest and a major tourist attraction. Of the five that perished were three Russian mountaineers and two Tajik crew members. The other thirteen occupants survived and were rescued.

13aug18 5Y-ZBR Ce208B 208B0446 dam

A Cessna Grand Caravan, owned by ZB Air - Z. Boskovic Air Charters but flown for and in the colours of Médecin Sans Frontières, crashed under unknown circumstances in South Sudan.

13aug18 N526CP Ce525 525-0099 w/o

On Sunday a man had an argument with his wife and was detained by the police. He bailed himself out, went to Spanish Fork-Springville Airport (UT) at night, stole the Vancon Holdings Citation and flew to the neighbourhood where he lived, in Payson (UT). He intended to kill his wife and child by crashing into his own house on purpose. He paid for this with his life and luckily his wife and child were unharmed, although they were at home at the time of the accident.

15aug18 B-KPY B777-367ER 37899 dam

The right hand wing tip of a Cathay Pacific Airways Triple Seven sustained serious damage after impacting a floodlight pole during push back from remote parking stand 835 at Rome's Fiumicino Airport, Italy. It was being pushed back to reposition to the gate, so the crew and passengers could board for flight CX292, back to Hong Kong-Chek Lap Kok International Airport, early in the morning.

15aug18 Be58 TH- w/o

A Beech Baron was found burnt out near Blue Creek Village, Orange Walk, Belize, with no signs of any occupants. It probably had been used for drugs trafficking.

15aug18 N448UA A320-232 842 dam

15aug18 N13270 B737-724 28939 dam

A United Airlines Airbus A320, operating UA645 to Portland (OR), clipped wings with a stationary United Airlines Boeing 737-700, operating UA2746 to Cleveland (OH), during push back from gate C30 at Chicago O'Hare International Airport (IL). The amount of aircraft damage has not been ascertained and there were no reported injuries. Flight UA645 left with a heavy delay on A320 N447UA, flight UA2764 was cancelled. We can only assume they were damaged enough to be taken off the line.

On a funny side note. It was CBS Chicago who first broke the news, with the initial reading: "BREAKING: Two planes have collided at O'Hare. Story is developing," which drew criticism from several Twitter users, who called CBS's reporting "irresponsible," given that both planes were on the ground and no victims had been reported as of yet.



Due to hardly any damage to this Rada Airlines Ilyushin 62, EW-450TR, it was not worthy of a mention in *Dustpan & Brush*, but a nice picture of this rare aircraft type is always welcome! The Il-62 landed on 16 August at Karthoum's runway 18, Sudan, at 02:22 local time in the morning, having pretty much completed flight RDA1012 from Cairo, Egypt, from where it left the previous day. It continued to the end of the runway, turned right to a heading of about 215 degrees and came to a stop 180 metres from the runway end and became stuck in mud. There were no injuries, the aircraft sustained no apparent damage, and was already back in the air again shortly after this incident. (Liège, 8 August 2018, Guido Wolfs)

16aug18 B-5498 B737-85C **37574** dam  
Xiamen Airlines flight MF8667 left Xiamen, China for the flight to Manila-Ninoy Aquino International Airport, Philippines, with eight crew members and 157 passengers, and suffered a runway excursion after landing on runway 24. At 23:08 hours local time the flight had descended to FL180 (18,000ft) towards Manila, where it entered a holding pattern to the north-east of the airport for about fourteen minutes before positioning for an approach to runway 24. The approach was aborted at 23:40 and the aircraft positioned for another approach. The aircraft touched down at 23:55 but went off the runway. At the time of the accident a thunderstorm was passing overhead the airport. Photos from the scene indicated that the no.1 (left hand) engine had separated from the wing after the excursion.

16aug18 N54331 TH-67A **5270** w/o  
 The Little Rock Police Department TH-67A Creek (US Army designation of the Bell 206B-3) rolled over during a maintenance ground run. The sole person onboard was seriously injured while the helicopter was destroyed. A police spokesman said "a senior pilot was doing a test run after new equipment (a new battery) was put in the helicopter when a straight-line wind came through and tipped the helicopter" over.

17aug18 VH-JWB BK117B-2 **1094** w/o  
Sydney Helicopters lost one of their Kawasaki BK117s after it crashed into a tree, while fighting fires at Mount Kingiman, Milton, near Ulladulla (NSW). The pilot and sole occupant was sadly killed in the accident.

17aug18 T-38C w/o  
 A T-38C Talon of the USAF's 71st Fighter Training Wing, 25th Fighter Training Squadron "Shooters", based at Vance AFB (OK), crashed seventy miles west of Enid (OK). The instructor pilot, the sole person onboard of the dual seat aircraft, was performing a training mission and safely ejected and was not seriously injured. The aircraft was a total loss after it suffered a total loss of engine power.

18aug18 N8052G Bell 206B-3 **4050** w/o  
 A Bell JetRanger III of the Nevada Department of Wildlife crashed near Battle Mountain (NV) which initiated a bush fire. At least one occupant sustained serious injuries, the fate of the other three was not known.

19aug18 UH-60M w/o  
 One US special force soldier was killed and six or nine were wounded when a US Army Black Hawk crashed near al-Qaim (on the Iraqi-Syrian border, in central west Iraq). According to an Operation Inherent Resolve (OIR) spokesman, "the H-60 was conducting a partnered counterterrorism mission in support of Operation Inherent Resolve in western Iraq. All personnel were recovered by Coalition forces immediately following the incident, and three were evacuated for further treatment. There are no indications the crash was caused by hostile fire." It belonged to the Special Operations Aviation Regiment (SOAR) "Night Stalkers".

19aug18 N404AV DHC-8-402 **4010** dam  
 An LC Perú de Havilland Dash 8-400, operating flight LCB1323 from Lima to Ayacucho (Peru), was on approach to Ayacucho when the crew received an unsafe indication for the nose gear. The crew performed a missed approach, worked the related checklists and decided to return to Lima. There they performed a low approach to Lima's runway 15 which confirmed the nose gear was not down. The aircraft subsequently positioned for another approach to runway 15 and landed about 2:48 hours after departure. The crew held the nose up as long as possible before lowering the nose onto the runway causing sparks and smoke from the doors. It came to a stop without further incident, the passengers evacuated the aircraft. The Dash received minor damage.

19aug18 D-FOJB An-2T **1G86-42** dam  
 A well-known An-2 in this region, operated by Ostthüringer Fallschirmsportclub, sustained substantial damage at Gera-Leumnitz Airport, Germany, when the right hand wings caught fire during start-up of the engine. The skydivers and pilot were able to evacuate and the fire was put out by fire services. It appears a flame was emitted from the engine exhaust on the right hand side of the engine.

21aug18 JAS39C w/o  
 A JAS39 Gripen of the Svenska Flygvapnet (Swedish Air Force), call sign GATOR25, crashed some nine kilometres north of Ronneby, at Möljeryd, after the fighter experienced a bird hit. Luckily, the pilot of the Gripen managed to eject himself to safety and was picked up by rescue teams. The incident happened around 09:41hrs local time. The Gripen was said to be on its way back to the base when birds crossed its flight path.

21aug18 F-HGFS PA-31 **31-245** dam  
 Less than five kilometres Limoges-Bellegarde Airport in France this IMAO owned Piper Navajo crashed, with both occupants receiving serious injuries. It had left Limoges at 10:30, to carry out mapping work over the region of Ussel, Corrèze, which is one of the specialities of IMAO, an aerial data acquisition company. The flight was originally scheduled to last four hours. The pilot reportedly attempted an emergency landing due to a fuel shortage. The airplane struck tree tops then stalled and crashed in a field located near Verneuil-sur-Vienne, some five kilometres west of the airfield. Both occupants were seriously injured and the aircraft was damaged beyond repair.

21aug18 Mi-2 dam  
 During a local training flight from Latkowo this Polish Air Force Mi-2 suffered a hard landing, with the associated damage. Both crew members were shaken but not stirred. Exactly what caused the incident is unknown.

22aug18 B-16852 ATR72-212A **1387** dam  
 A Mandarin Airlines ATR72-600 sustained substantial damage after it contacted a number of runway edge lights during landing at Taichung's runway 36, Taiwan. It had left Magong, Penghu Islands, earlier as flight AE788, with a crew of four and seventy passengers. At the time of the incident there was a thunderstorm overhead the airport, moving to the west.

22aug18 TI-BDH PA-34-220T **34-8233204** w/o  
 The sole person onboard this Aerobell Airlines Piper Seneca III was killed when it crashed under unknown circumstances three miles from San Francisco de la Fortuna, Alajuela, Costa Rica, south of Cerro Burrito.

22aug18 Mi-8AMTSh w/o  
 A Mi-8 of the Russian Air Force spun out of control while attempting to land at Uprun airfield. It crashed and caught fire. The crew escaped the helicopter safely.

22aug18 LZ- PA-44 dam  
 The pilot of this private Piper 44 tried to land at Shumen airport, Bulgaria, but failed to do so. The twin engines plane crash landed in a nearby field. Both occupants survived the crash.

23aug18 N215SF T-28B **200-86** w/o  
 A North American T-28B Trojan (ex BuNo 137723) of Aviation Speciality crashed under unknown circumstances and burst into flames close to the runway threshold at Anoka County-Blaine Airport, (MN). The experienced pilot (65) was seriously injured and airlifted to hospital.

Credits: ASN, Aviation Herald, B3A, JACDEC, FlightRadar24, KTVA.com

# Military News & Updates



The Royal Netherlands Air Force trains a lot to get familiar with their first two F-35s. Rob van Disseldorp made some nice pictures of the first RNLAf F-35 with serial F-001 while bashing the Rainbow Canyon low flying training area. (Rainbow Canyon, 21 July 2018)

Because of our standardization we sometimes use type, unit and serial presentations that may strongly differ from those used by the manufacturer or user. It is therefore possible that the information sent by you can deviate from the information we publish.

## Europe

### Belgium

Luchtcomponent/Composante Air/Air Component [AF]

#### Alpha Jet 1B+

AT31                      museum                      ex 11sq/AJetS                      **B31/1142**                      jul18

### Austria

Österreichische Luftstreitkräfte (AF)

The Austrian Bundesheer will receive an undisclosed extra budget to procure three additional S-70A Black Hawk helicopters, as part of the so-called 'Katastrophen-schutzpaket'. The Black Hawk helicopter is considered a particularly reliable and versatile multi-purpose helicopter, which is also suitable for use in high mountains and in bad weather conditions, which are very common in Austria. In Austria, many people and politicians have the rescue operation after the avalanche disaster at Galtür in 1999 in memory. By the time rescue crews managed to arrive, 31 people – locals and tourists – had died. That time, the US armed forces helped Austria with Black Hawks. With these additional funds, the mittlere Transporthubschrauberstaffel (mTHSStA) stationed at Tulln-Langenlebarn will be increased from nine to twelve examples.

In addition to the purchase of the three Black Hawks, the government also agreed to the acquisition of successor models for the currently 21 Alouette III helicopters, which are in use since 1968. Although the old Alouettes are basically still fit to fly for years, there are problems with the spare parts, which are becoming scarce, because hardly any army in the world still flies this helicopter.

### Bulgaria

Bulgarski Voenno-Vuzdushni Sili (AF)

On 24 July 2018 the Bulgarian MoD issued a tender for the overhaul of two Mi-17 and four Mi-24 helicopters.

Following the loss of Mi-17 417 **103M14** on 11 June 2018 only two other Mi-17s were confirmed to be active in 2017 being 418 **103M15** and 419 **103M17**. The current tender involves 419

**103M17** and 421 **415M02** which was last noted active in 2013 and is believed to have been in storage over the past few years after running out of hours.

The tender for the four Mi-24Vs include the four Mi-24Vs that are still in storage following the overhaul of 142 **150724** in late 2015 and 143 **150725** which emerged from overhaul in 21 December 2017. The following helicopters were confirmed as being involved: 140 **150722**, 141 **150723**, 144 **150726** and 146 **150721**. All were last noted in storage at their former home base Krumovo in 2015.

### Cyprus

Ethniki Froua, Diikissi Aeroporias (AF)

#### Mi-35P

811                      450 ME/P                      **023362**                      jul18  
This Hind was physically inspected, and the construction number was confirmed.

#### SA342L1

352                      450 ME/P                      **2193**                      jul18  
353                      450 ME/P                      **2196**                      jul18  
354                      450 ME/P                      **2197**                      jul18  
355                      450 ME/P                      **2199**                      jul18

The remaining Gazelle that needed checking for the construction number was also finally checked. All have been physically checked now so the verdict of all Gazelles is as shown.

### Czech Republic

#### vzdušných sil (AF)

In Scramble 464 were reported an order for six Enstrom 480B-G by the LOM Praha Company. On 21 June 2018 the first two Enstroms were delivered to the Air Training Centre at Pardubice being:

#### Enstrom 480B-G

0473                      ex N829GY                      CLV-LOM                      jun18                      **5240**  
0474                      ex N829JK                      CLV-LOM                      jun18                      **5241**

The Air Force is planning to order two additional C295Ms from Airbus. The two new C295Ms are replacing two Yak-40s that are due for retirement in 2020. With the two new aircraft the Czech Air Force will operate a total of six C295s.

Also in Scramble 464 we reported an order for twelve UH-1Y helicopter for the Czech Air Force. Despite the fact that the US Congress has approved the order we failed to report that the deal has stalled since and no order has been signed to date.

On 2 August 2018 the first of three L-159T2 trainers made its first flight from at Aero Vodochody. The L-159T2 is a highly upgraded version of the L-159T1 trainer that is being used by the Czech Air Force. It appears that L-159A 6028 was used for the first conversion as the first aircraft was wearing this serial. L-159A 6028 **156028** is known to have been in storage at Vodochody since 7 October 2003. The two other airframes slated for conversion are 6031 **156031** and 6038 **156038**. All three are due to enter service with 213.vlt at Caslav in the last quarter of this year. The delivery of the three L-159T2s will mean the end of the L-39ZA in Czech Air Force service. Only three L-39ZA remain in service being 5013, 5017 and 5019.

Also not reported by us so far is a rundown of the L-159s that have been delivered to the Iraqi Air Force. Details are believed to be as follows:

#### L-159A

|      |              |                  |               |
|------|--------------|------------------|---------------|
| 6001 | for spares   | ex std Vodochody | <b>156001</b> |
| 6002 | for spares   | ex std Vodochody | <b>156002</b> |
| 6004 | for spares   | ex std Vodochody | <b>156004</b> |
| 6006 | as IQAF-5907 | ex std Vodochody | <b>156006</b> |
| 6008 | as IQAF-5908 | ex std Vodochody | <b>156008</b> |
| 6010 | as IQAF-5909 | ex std Vodochody | <b>156010</b> |
| 6014 | as IQAF-5906 | ex std Vodochody | <b>156014</b> |
| 6025 | as IQAF-5910 | ex std Vodochody | <b>156025</b> |
| 6037 | as IQAF-5911 | ex std Vodochody | <b>156037</b> |
| 6045 | as IQAF-5912 | ex std Vodochody | <b>156045</b> |
| 6049 | as IQAF-5903 | ex 212.tl        | <b>156049</b> |
| 6055 | as IQAF-5904 | ex 212.tl        | <b>156055</b> |
| 6068 | as IQAF-5905 | ex 212.tl        | <b>156068</b> |

#### L-159T1

|      |              |            |               |
|------|--------------|------------|---------------|
| 6069 | as IQAF-5901 | ex 213.vlt | <b>156069</b> |
|------|--------------|------------|---------------|

Additional L-159E Honey Badgers that found their way to Draken International after our rundown in Scramble 464 are:

#### L-159E

|      |           |                  |               |
|------|-----------|------------------|---------------|
| 6009 | to N270EM | ex std Vodochody | <b>156009</b> |
| 6011 | to N271EM | ex std Vodochody | <b>156011</b> |
| 6013 | to N277EM | ex std Vodochody | <b>156013</b> |

This makes a total of fifteen aircraft that are known to us to date.

Contrary to earlier reports the Czech Air Force will continue to operate the Mi-24/Mi-35 fleet in the foreseeable future as a contract for the overhaul of an unknown number of helicopters was signed with LOM Praha s.p. in December 2014. According to a news item on [www.czechairforce.com](http://www.czechairforce.com) two Mi-24Vs were transported to Kbely by road for overhaul in November 2015. The first helicopter Mi-24V 7353 returned to

Namest nad Oslavou in December 2017 and the second, 0981 returned in February 2018. Number three and four are 3367 and 7360 which were due back at Namest in August 2018. A fifth one, 3370 will be completed in 2019. It is fantastic news that after Bulgaria and Hungary also the Czech air force continues to operate the mighty Devil's Chariot as the Hind was called by mujahideen forces in Afghanistan in the 1980s. The 2014 service contract with LOM Praha is for four Mi-8PS, five Mi-17s, sixteen Mi-171Sh and seventeen Mi-24V/Mi-35s.

## Denmark

### Flyvevåbnet (AF)

The final two MH-60R Seahawks for Esk 723 were delivered to Karup on board a USAF C-17A on 31 July 2018. The order for nine Seahawks was made in November 2012 with deliveries scheduled for 2016-2018. Sikorsky started building the first Danish MH-60R on 20 March 2014 and in May 2016 the first three were handed over in Palm Beach (FL). All Seahawks were built as standard US Navy, with an extensive modification programme run to get it up to Danish requirements.

### MH-60R

|       |         |             |
|-------|---------|-------------|
| N-978 | Esk 723 | d/d 31jul18 |
| N-979 | Esk 723 | d/d 31jul18 |

## Germany

### Luftwaffe (AF)

Different sources within the Bundeswehr reported that the German Air Force is in an urgent need for at least 70 light utility training helicopters.

A German Air Force and Airbus Helicopters spokesman confirmed these rumours although no details about a possible order of new helicopters were announced.

The German Air Force has already 15 Airbus Helicopters H145M light utility helicopters on strength for Special Forces operations with HSG64 and the Air Force is very happy with the reliability of this helicopter. So additional orders of this type are likely underway.

ETNN = Nörvenich

ETSI = Ingolstadt-Manching

### A321-231

|       |          |              |                   |
|-------|----------|--------------|-------------------|
| 15+04 | FBS BMVg | ex Lufthansa | <b>1214</b> aug18 |
|-------|----------|--------------|-------------------|

On the 5th of January 2017 the German Air Force ordered a single Airbus A321 for VIP duties. This former Lufthansa A321 was overhauled by Airbus and finally handed over to the German Air Force in August 2018.



On their way to and from Fairford, NH-90s NH-219 and NH-221 of 1.HK made a fuel stop at Rotterdam- The Hague Airport. Ben Uffen captured their departure on their way back to their home base Utti in Finland. (16 July 2018)

Personal copy



As mentioned in the military news section; the German Air Force is very happy with the reliability of their H145 fleet. The German Air Force has 15 H145s on strength with HSG64. During the "60 Jahre Saarlandbrigade" airshow they showed for which purpose they use their H145 helicopters. (Saarlouis, 18 August 2018, Reinold Kalsbeek)

|                           |       |                                 |                     |
|---------------------------|-------|---------------------------------|---------------------|
| <b>A400M</b>              |       |                                 |                     |
| 54+21                     | LTG62 | ex Airbus Military              | <b>079</b> aug18    |
| <b>EF2000</b>             |       |                                 |                     |
| 30+57                     | TLG71 | ex TLG31                        | <b>GS041</b> aug18  |
| 30+58                     | TLG71 | ex TLG31                        | <b>GS042</b> aug18  |
| 31+46                     | EADS  | f/n ETNN 2aug18                 | aug18               |
| 31+48                     | EADS  | f/n ETSI 9aug18                 | aug18               |
| <b>EF2000T</b>            |       |                                 |                     |
| 31+28                     | EADS  | f/n ETSI 3aug18                 | <b>GT0031</b> aug18 |
| <b>NH90-TTH</b>           |       |                                 |                     |
| 78+39                     | THR30 | f/n database                    | jul18               |
| <b>Tornado IDS</b>        |       |                                 |                     |
| 44+30                     | TLG51 | ex GAFFTC <b>330/GS091/4130</b> | aug18               |
| <b>Heeresflieger (AR)</b> |       |                                 |                     |
| <b>Tiger UHT</b>          |       |                                 |                     |
| 74+67                     | KHR36 | ex Airbus heli.                 | aug18               |

## Greece

### Elliniko Polemiki Aeroporia (AF)

The end of the Mescalero is near! On July 9th, the Hellenic Air Force announced that it had ordered twelve Tecnam P2002JF low wing trainer aircraft. The contract was signed in the presence of the Minister of National Defense, Mr. Panos Kammenos and the Chief of General Staff, Vice-Chief Christos Christodoulou. The order is the result of a tender that was initiated in June 2016. The P2002JF will replace the T-41Ds that are currently operated by 360 MAE at Tatoi/Dekelia. In addition to the twelve P2002JF aircraft ordered, Tecnam will provide a SOFTEK simulator and a computer-based integrated training system with support services. The Tecnam P2002JF is a two-seat, single engine, low wing primary training aircraft that is Powered by the ROTAX 912 engine. The HAF T-41D fleet has been in service for more than 48 years. The first aircraft were delivered in 1969. A total of 21 Mescaleros were delivered, the HAF lost three in service. At least fourteen are still in service today.

## Hungary

### Magyar Légierő (AF)

In Scramble 464 we reported the overhaul of up to eight Mi-24s for the Hungarian Air Force. Eight helicopters were eventually transported to Russia for overhaul in November

2018. It is expected that the first overhauled Hinds will return to Hungary later this year or will have returned by the time these pages are read.

Following the overhaul of some Mi-17s, the overhaul of the Mi-24s mentioned above, the purchase of a small number of Zlin 242 trainers and two Airbus A319s more good news came from Hungary over the past few months. The first was that in addition to the two Zlin 242s that were delivered in 2017 two additional Zlins were delivered on 22 March 2018 under the Zrinyi 2026 Military Modernisation Program. This time two Zlin 143LSi arrived at Szolnok. The Zlins replace the Yak-52 in the Hungarian Air Force. The serials of the Zlins are still unknown to us. According to some sources the Zlins are now assigned to the MH.86HE or the 86th Helicopter Base at Szolnok. Previously also the Yak-52s were based at Szolnok but assigned to the 59th Fighter Base (MH 59. Sz.D. REB.) at Kecskemet.

Also as part of Zrinyi 2026, on 28 June 2018 the Hungarian MoD announced an order for 20 Airbus H145M armed light utility helicopters. The order includes a range of weapons, fast roping, and self-protection systems.

To complete the good news the Magyar Légierő took delivery of a Falcon 7x on 3 August 2018 when second hand aircraft c/n 76 arrived at Kecskemet where it will be assigned to the resident MH 59. Sz.D. REB. On delivery the aircraft was registered both 606 and 9H-AGO which was removed shortly after delivery.

Meanwhile the Hungarian Air Force seems to have depleted its An-26 fleet to just one aircraft. If true, it seems that 406 **3406** is the sole surviving aircraft. The fate of 405 **3405**, 407 **3407** and 603 **3606** is unknown to us.

### Rendorseg (PO)

One additional MD902 to those listed in Scramble 464 was recently taken on charge. The helicopter is serialled R-909 and has c/n 900-00111. Its former registration G-CMBS was recently cancelled in the UK civil register.

## Italy

### Aeronautica Militare (AF)

The Prime Minister Giuseppe Conte announced that he would revoke the leasing contract for the Airbus 340-500 I-TALY

stipulated by his predecessor Matteo Renzi. On what has been called 'the Air Force Renzi' Since February 2016 the so-called 'Air Force Renzi' has been placed in an Alitalia hangar, with Alitalia responsible for the safety and maintenance of the aircraft. It is rarely seen outside or making flights. The crew on board is composed of pilots of the Aeronautica Militare. The A340 was purchased under leasing to meet a need, which of making longer flights without needing a technical stop for refueling. The A340-500 has a range of 16,600 kilometers, while the other aircraft used for the flights of the Italian Prime Minister (such as an Airbus A319CJ) has a range of about 8,600 kilometers. One of the great unknowns on the Airbus leased by the Italian government concerned the cost of this operation. Many hypotheses have been made over the years, but nobody seems to know the exact figures. Today the same Matteo Renzi stresses that he never used the plane.

Guardia Costiera (PO)

On 16 July 2016, the 4<sup>a</sup> Seizone Elicotteri of the Guardia Costiera was established at Decimomannu (CA) with the arrival of the AW139CP MM81885/11-05. They will be working closely together with the Aeronautica Militare 80° Centro CSAR AB212s. This new airborne component of the Coast Guard will operate in Sardinia with vehicles, crews and technical personnel for activities as Search And Rescue (SAR), surveillance of fishing activities and biological resources and the protection of the marine and coastal environment.

#### AW139CP

MM81885/11-05 4<sup>a</sup> Seizone ex 1<sup>a</sup> Seizone **31584** jul18

#### Norway

Norske Luftforsvaret (AF)

#### F-35A-4

5210 Lockheed-Martin f/f 17aug18 **AM-16**

#### Poland

Sily Powietrzne (AF)

Disaster struck the Polish Air Force in its 100th anniversary year. After the loss of its first MiG-29 in 28 years of operations another MiG-29 was lost on 6 July 2018. This time the crash involved a former German Air Force MiG-29G from the 41.elt at Malbork. The pilot of the aircraft, serial 4103 c/n 2960526301/3705 ejected from the aircraft but was found dead near the wreckage of his jet. Following the crash the Polish Air Force has started an investigation on a possible malfunction of the aircraft's K-36 ejection seat. This has resulted in the grounding of not only the entire MiG-29 fleet,

but also the Su-22s as they are fitted with the same type of seat. The grounding was still in effect in mid-August resulting in both types being absent in the 100th anniversary flypast over Warsaw on 15th August and the 100th anniversary airshow at Radom.

Back in August 2011 the Polish MoD signed a contract with the WZL-2 company at Bydgoszcz for the overhaul and extensive upgrade of the thirteen MiG-29A and three MiG-29UB strong fleet of the 23.BLT Minsk Mazowiecki. The program, which included a digital cockpit, was completed in the 2011-2014 timeframe. We failed to notice that the upgraded MiG-29s were designated MiG-29M and MiG-29UBM ever since. The following aircraft have been upgraded to MiG-29M/UBM standard:

#### MiG-29M

|     |             |       |                        |         |
|-----|-------------|-------|------------------------|---------|
| 38  |             | 1.elt | <b>2960532038/4203</b> | jun17   |
| 40  |             | 1.elt | <b>2960532040/4205</b> | aug17   |
| 54  |             | 1.elt | <b>2960532354/4213</b> | jun17   |
| 56  |             | 1.elt | <b>2960532356/4215</b> | sep17   |
| 59  |             | 1.elt | <b>2960532359/4302</b> | apr18   |
| 67  | w/o 18dec17 | 1.elt | <b>2960526367/3814</b> |         |
| 83  |             | 1.elt | <b>2960526383/3904</b> | jun1611 |
| 89  |             | 1.elt | <b>2960526389/3906</b> | jun17   |
| 105 |             | 1.elt | <b>2960535105/4414</b> | jun18   |
| 108 |             | 1.elt | <b>2960535108/4415</b> | may18   |
| 111 |             | 1.elt | <b>2960535111/4501</b> | jun18   |
| 114 |             | 1.elt | <b>2960535114/4502</b> | may18   |
| 115 |             | 1.elt | <b>2960535115/4503</b> | jun17   |

#### MiG-29UBM

|    |  |       |                     |       |
|----|--|-------|---------------------|-------|
| 15 |  | 1.elt | <b>N50903014615</b> | sep17 |
| 28 |  | 1.elt | <b>N50903014528</b> | oct17 |
| 42 |  | 1.elt | <b>N50903014642</b> | aug16 |

#### Romania

Fortele Aeriene Romane (AF)

In April 2004 Baza 57 Aeriana was disbanded and Mihail Kogalniceanu air base became an annex of Baza 86 Aeriana at Borcea-Fetesti. The based Puma squadron that had arrived from Tuzla a few years earlier became Escadrila 863 Elicoptere and was later renumbered 862. However, on 1 July 2018 Baza 57 Aeriana was re-established and Escadrila 862 Elicoptere was renumbered as Escadrila 572 Elicoptere in the process. Baza 57 Aeriana is also housing the MiG-21 Lancers of Escadrila 861 Aviatie Lupta but despite the Puma squadron being designated 572, the Lancers are still subordinate to their parent unit Baza 86 Aeriana at Borcea and therefore retain its current designation 861.



Four F-2000s of 36o Stormo visited Neuburg in August 2018 to train with the local Eurofighters of TLG74. (9 August 2018, Dietmar Fenners).



Seldom seen outside Spain are the Beech C90s of the Spanish Air Force. Luckily two different C90s paid a visit to Eindhoven Airbase the last months. Manolito Jaarsma was in the neighborhood to capture the arrival of E.22-01 of 409 Esc. (4 July 2018)

Portugal's MoD recently confirmed that it will sell five additional F-16s to the Romanian Air Force. The Portuguese MoD will acquire five F-16s from the USA to replace them. The ambition of the Romanian Air Force is to purchase up to 36 additional F-16s in the future to equip three squadrons. Additional F-16s could come from the USA, Greece and Israel.

### Slovakia

#### Vzdušné Sily Ozbrojených Síľ SR (AF)

For some years the Slovak Air Force is looking for a replacement for its fleet of MiG-29AS/UBS Fulcrums with the JAS39 Gripen being a strong candidate due to the close cooperation with the Czech Air Force. However, on 11 July 2018 the Slovak MoD announced that it intends to buy fourteen F-16C/D block 70/72 from Lockheed-Martin. The purchase was approved by the US Congress in April this year. Time will tell if the deal eventually will go ahead.

In 2008 the Slovak Air Force selected the C-27J as the successor for its ageing fleet of An-24 and An-26 transports. However, it took until 2014 until a contract was signed. On 24 October 2017, 19 months after retiring the last An-26, the first of an order for two aircraft arrived at Malacky-Kuchyna with the delivery of C-27J 1931. The second aircraft arrived on 10 April 2018.

#### C-27J

1962                      Dopravné Kridlo ex CSX62306                      10apr18

A year after the arrival of the first two UH-60M Blackhawks to the Slovak Air Force two additional helicopters out of an order for nine recently arrived in Slovakia on 12 July 2018.

#### UH-60M

7641                      FMS 15-27641      Vrtul'nikové kridlo (VrK)                      12jul18  
7642                      FMS 15-27642      Vrtul'nikové kridlo (VrK)                      12jul18

### Spain

LEAB = Albacete

LEVS = Cuatro Vientos

#### Ejército del Aire (AF)

#### A400M

TK.23-03/31-23      Ala 31                      #10076, d/d 25jul18                      076      jul18

#### Mirage F1M

C.14-56/14-31      Draken Intl                      ex std LEAB                      jul18  
C.14-64/14-37      Draken Intl                      ex std LEAB                      aug18  
C.14-66/14-38      std LEVS                      ex std LEAB                      jul18

Two more Mirages have been confirmed with Draken Intl at Lakeland (FL). A photograph taken in their hanger showed a fuselage with the registration N572EM on a piece of paper

taped over the location of the code. Whether or not this ties up with either of the two mentioned above is unclear at this moment. C.14-66 is a new inmate of the Museo del Aire (also see Scramble 471 – Page 60).

### Turkey

#### Türk Hava Kuvvetleri (AF)

**A400M**  
17-0078                      221 Filo                      078      jun18

**F-4E**  
66-0314                      MKE                      for scrap                      2533      mar17  
67-0227                      MKE                      for scrap, not 66-0307                      2886      mar17

**F-16C**  
89-0031                      152 Filo                      w/o 22mar18                      4R-49

**F-35A**  
18-0001                      Lockheed                      AT-1      may18  
18-0002                      Lockheed                      AT-2      jun18

On 13 August, U.S. President Donald Trump signed a Defense Authorization Act that prohibits the delivery of F-35A aircraft to Turkey if it buys Russia's S-400 air defense system. Some news-outlets report that the Turkish pilots that were training on the two F-35 at Luke AFB have flown back to Turkey, although this is pending confirmation. On 21 June, Turkey officially received its first F-35A during a hand-over ceremony at Lockheed's Fort Worth plant in Texas. It flew, together with the second TurAF F-35A, to Luke AFB from where the Turkish instructor pilots will conduct their work-up to this future TurAF asset.

#### Hürkus B

17-102                      TAI                      proto 2, f/n                      jul18  
17-103                      TAI                      f/n                      jun18  
17-104                      TAI                      f/n                      jun18  
18-105                      TAI                      f/n                      jun18

#### Türk Kara Kuvvetleri (AR)

On 1 August, the aircraft and helicopters of the Turkish Army Aviation School finally moved from Ankara-Güvercinlik to Isparta Süleyman Demirel, some 320 km to the south-west of the Turkish capital. Over 50 planes and 100 helicopters were transferred. Already in 2010, the Turkish Army planned to move out of Güvercinlik and the building process at Isparta started in 2012, a new runway, parallel to the 23/05 runway used by the civilian airport has been constructed. As part of the \$150 million project, Koçoğlu took care of the construction of the Army Aviation Command headquarters building, three hangars (for helicopters and fixed-wing aircraft),

four helipads, two runways, a maintenance centre, as well as other educational buildings and dormitories. The following units have transferred to Isparta:

**Kara Havacılık Okul Komutanlığı (Army Aviation School Command)**

**Kurslar Tabur Komutanlığı (Course Battalion Command)**

Sabit Kanat Uçuş Eğitim Kurulu (Fixed Wing Flight Training Course), operating CeT182T, T-42A, Ce421B

Döner Kanat Uçuş Eğitim Kurulu (Rotary Wing Flight Training Course), operating AB206R, UH-1H, AB205

Öğretim Baskanlığı (Instructor Pilot School), operating loan a/c from Academy

Simülatörle Uçuş Eğitim Komutanlığı (Simulators Flight Training Command), with AS532AL, S-70A-28D & T129 Simulators

**T129B**

|             |                            |                 |               |       |
|-------------|----------------------------|-----------------|---------------|-------|
| ...         | TAI                        | production line | <b>ATK-31</b> | may18 |
| ...         | TAI                        | production line | <b>ATK-34</b> | may18 |
| ...         | TAI                        | production line | <b>ATK-35</b> | may18 |
| ...         | TAI                        | production line | <b>ATK-42</b> | may18 |
| ...         | TAI                        | production line | <b>ATK-45</b> | aug18 |
| ...         | TAI                        | production line | <b>ATK-46</b> | aug18 |
| ...         | TAI                        | production line | <b>ATK-48</b> | aug18 |
| ...         | TAI                        | production line | <b>ATK-50</b> | aug18 |
| ...         | TAI                        | production line | <b>ATK-51</b> | aug18 |
| ...         | TAI                        | production line | <b>ATK-53</b> | aug18 |
| 17-1024/BG  | 1 THB/Volkan Filo, ex "AG" |                 |               | may17 |
| 17-1025/BG  | 1 THB/Volkan Filo, f/n     |                 |               | jul18 |
| 18-1034/AG? | TKHK                       |                 |               | may18 |
| 18-1035/AG  | TKHK                       |                 |               | mar18 |

Thanks to a recently published YouTube video of Anadolu Agency (<https://www.youtube.com/watch?v=gpPnsowBOVY>), it was confirmed that the production of the 60 ordered Turkish Aerospace Industries (TAI) T129 ATAK helicopters for the Türk Kara Havacılık Komutanlığı/Turkish Army Aviation Command, the eighteen examples for the Jandarma Havacılık Komutanlığı/Gendarmerie Aviation Command and the six examples for the Emniyet Genel Müdürlüğü/General Directorate of Security is progressing very well. On the video the line numbers **ATK-45** through **ATK-53** can be seen in different stages of production. The end-user for these helicopters is unclear since they were all in primer. Extrapolating the approximate production rate, one could guesstimate that the production will be finished in early 2020, the latest. The production line could be saved, however, if the U.S. grants the export licenses necessary

to fulfil a contract with Pakistan. In July, it was announced that Pakistan placed an order for 30 T129 ATAK helicopters but the escalating diplomatic crisis between Ankara and Washington over the acquisition of Russian-made S-400 air defense systems might jeopardize this deal. The T129 is powered by two LHTEC T800-4A turboshaft engines, which is an export version of the CTS800 engine. LHTEC is a joint venture between the American firm Honeywell and the British company Rolls-Royce, subjecting the export to Pakistan to U.S. export laws.

**United Kingdom**

**Royal Air Force (AF)**

The Royal Air Force (RAF) announced that a second squadron will stand up at RAF Valley as part of the Advanced Fast Jet Training (AFJT) programme. Since 2010, all Hawk T2 aircraft have been assigned to IV(AC)sq. Lately there has been an increase in demand for Fast Jet pilots with additional Typhoon squadrons standing up and at the same time with the F-35B Lightning near to being fully operational. This has led to the decision to split the responsibilities between two squadrons. The initial jet training phase will in the future be the responsibility of 25(F)sq, while the advanced training phase (tactics & weapons) will remain the responsibility of IV(AC)sq. An exact date on which 25(F)sq will be re-activated is not yet mentioned, but generally described as end-2018.

At RAF Akrotiri (Cyprus), 3(F)sq took over responsibility of the five Typhoons deployed for *Operation Shader* on 31 May 2018. Thanks to this the air and ground crews of 6sq were able to return home to RAF Lossiemouth.

The responsibility for the Tornado detachment at RAF Akrotiri (Cyprus) as part of Operation Shader also changed recently. Not much options anymore with only two Tornado squadrons remaining... Mid-June 2018, IX(B)sq took over from 31sq.

With the Prefect being fully operational at both RAF Cranwell and RAF Barkston Heath, word has reached us that the aircraft at RAF Cranwell are operated by 57sq. The ones at RAF Barkston Heath are operated in a pool system by 674sq (AAC) and 703NAS (FAA). It was known that 57sq commenced Prefect operations in February 2018. It however is not known when exactly 674sq and 703NAS commenced Prefect operations. In any case, both squadrons were active at RAF Barkston Heath by June 2018. All three squadrons report to the 3FTS.



Based at the Hereford Credenhill Barracks are the six Special Operations AS365s of 658 Squadron. The helicopters are not seen that often so Martin Uleman was very happy to catch serial ZJ787 during landing at Middle Wallop. (16 July 2018)



The F-35s become a common sight in the European Union as more and more countries receive their first aircraft. The first F-35B for 617th Squadron at Marham paid a visit to Fairford and was captured during landing. (Jan-Pieter Libens, 15 July 2018)

EGDM = Boscombe Down      EGVP = Middle Wallop  
 EGQS = Lossiemouth      EGXE = Leeming  
 EGVO = Odiham      EGYM = Marham

Leonardo Leonardo Finmeccanica at Yeovil  
 MDMF Merlin Depth Maintenance Facility at RNAS Culdrose  
 QAT QinetiQ Air Fleet at QinetiQ Boscombe Down  
 StandardAero StandardAero at Fleetlands  
 TMU Typhoon Maintenance Unit at RAF Coningsby  
 TST Tornado Servicing Team at RAF Marham

**Chinook HC4**

|       |           |                 |              |       |
|-------|-----------|-----------------|--------------|-------|
| ZA704 | EGVO Wing | ex StandardAero | <b>M7006</b> | jun18 |
| ZD980 | EGDM      | ex 18(B)sq      | <b>M7027</b> | may18 |
| ZD981 | EGDM      | ex 28sq         | <b>M7029</b> | jun18 |

**Chinook HC6A**

|       |           |         |              |       |
|-------|-----------|---------|--------------|-------|
| ZA681 | EGVO Wing | ex EGDM | <b>M7002</b> | jun18 |
|-------|-----------|---------|--------------|-------|

**F-35A Lightning**

|       |                               |              |       |
|-------|-------------------------------|--------------|-------|
| ZM140 | 617sq, del to EGYM on 03aug18 | <b>BK-06</b> | aug18 |
| ZM141 | 617sq, del to EGYM on 03aug18 | <b>BK-07</b> | aug18 |
| ZM142 | 617sq, del to EGYM on 03aug18 | <b>BK-08</b> | aug18 |
| ZM143 | 617sq, del to EGYM on 03aug18 | <b>BK-09</b> | aug18 |
| ZM144 | 617sq, del to EGYM on 03aug18 | <b>BK-10</b> | aug18 |

The second batch of Lightning jets was delivered to RAF Marham on 3 August 2018. This brings the total number of aircraft at this RAF station to nine. The three-remaining aircraft in the USA are ZM137, ZM139 and ZM149. Some are at MCAS Beaufort (SC), some are undergoing modification. Together with the remaining staff in the United States, they will form the basis of 207sq which is slated to be re-activated at MCAS Beaufort (SC) in the near future.

**Texan T1**

|           |                               |               |       |
|-----------|-------------------------------|---------------|-------|
| ZM323/323 | G-TBFT assigned (reg 07jun18) | <b>PM-110</b> | jun18 |
| ZM324/324 | G-CKGO assigned (reg 01jun18) | <b>PM-111</b> | jun18 |

On Thursday 16th August 2018, both N2856B and N2857B left the Beech Factory Airport at Wichita (KS) and headed for Des Moines IAP (IA). From there they continued their journey the same date to Ottawa-McDonald Cartier IAP (Canada). After a night stop, the aircraft continued their journey the next day to CFB Goose Bay (Canada). Next the Atlantic was crossed with a stop at Keflavik (Iceland) and the aircraft arrived at Glasgow (Scotland) on 19 August 2018. Delivery to their final destination, RAF Valley, took place on 20 August 2018.

|           |                          |               |       |
|-----------|--------------------------|---------------|-------|
| ZM327/327 | del to 20aug18 as N2856B | <b>PM-125</b> | aug18 |
| ZM328/328 | del to 20aug18 as N2857B | <b>PM-126</b> | aug18 |

**Tornado GR4**

|           |          |                |            |       |
|-----------|----------|----------------|------------|-------|
| ZA453     | scrapped | ex std EGXE    | <b>249</b> | jun18 |
| ZA543/036 | 31sq     | ex IX(B)sq/036 | <b>052</b> | jun18 |

|            |          |                 |            |       |
|------------|----------|-----------------|------------|-------|
| ZA546      | TST      | ex 31sq/038     | <b>058</b> | jun18 |
| ZA553/045  | 31sq     | ex IX(B)sq/045  | <b>070</b> | jun18 |
| ZA554/046  | 31sq     | ex IX(B)sq/046  | <b>071</b> | jun18 |
| ZA585      | TST      | ex IX(B)sq/054  | <b>091</b> | jun18 |
| ZA587/055  | 31sq     | ex IX(B)sq/055  | <b>096</b> | jun18 |
| ZA588/056  | 31sq     | ex IX(B)sq/056  | <b>098</b> | jun18 |
| ZA591      | std EGXE | ex IX(B)sq/058  | <b>104</b> | jun18 |
| ZA607/EB-X | 31sq     | ex IX(B)sq/EB-X | <b>138</b> | jun18 |
| ZA612/074  | 31sq     | ex i/a EGYM     | <b>150</b> | jun18 |
| ZA614/076  | 31sq     | ex IX(B)sq/076  | <b>153</b> | jun18 |
| ZD792      | TST      | ex 31sq/100     | <b>402</b> | jun18 |
| ZD849/110  | 31sq     | ex IX(B)sq/110  | <b>444</b> | jun18 |
| ZG752/129  | 31sq     | ex IX(B)sq/129  | <b>868</b> | jun18 |
| ZG771/133  | 31sq     | ex IX(B)sq/133  | <b>893</b> | jun18 |
| ZG775/134  | 31sq     | ex IX(B)sq/134  | <b>907</b> | jun18 |

The stripped remains of ZA453 were dumped at RAF Leeming on 30 May 2018. It was expected that they were to be removed soon after for final scrapping.

**Typhoon T3**

|           |           |               |              |       |
|-----------|-----------|---------------|--------------|-------|
| ZJ800     | std TMU   | ex 29sq/800   | <b>BT001</b> | jul18 |
| ZJ802/802 | 3(F)sq    | ex 1(F)sq/802 | <b>BT003</b> | aug18 |
| ZK379/379 | 41(TES)sq | ex TMU        | <b>BT024</b> | aug18 |

**Typhoon FGR4**

|           |          |                     |              |       |
|-----------|----------|---------------------|--------------|-------|
| ZJ923/923 | 6sq      | ex II(AC)sq/923     | <b>BS014</b> | jun18 |
| ZJ929/929 | 29sq     | ex XI(F)sq/929      | <b>BS020</b> | jun18 |
| ZJ950/950 | II(AC)sq | ex 3(F)sq/950       | <b>BS047</b> | aug18 |
| ZK300/300 | 3(F)sq   | ex 6sq/300          | <b>BS052</b> | may18 |
| ZK301/301 | XI(F)sq  | ex TMU              | <b>BS053</b> | aug18 |
| ZK312/312 | 1(F)sq   | ex XI(F)sq/312      | <b>BS067</b> | aug18 |
| ZK313/313 | II(AC)sq | ex XI(F)sq/313      | <b>BS070</b> | aug18 |
| ZK315     | TMU      | ex 41(TES)sq/(EB-V) | <b>BS074</b> | aug18 |
| ZK322/322 | 3(F)sq   | ex 6sq/322          | <b>BS083</b> | may18 |
| ZK327/327 | 3(F)sq   | ex 6sq/327          | <b>BS088</b> | may18 |
| ZK329     | TMU      | ex II(AC)sq/329     | <b>BS090</b> | aug18 |
| ZK333/333 | 6sq      | ex 1(F)sq/333       | <b>BS094</b> | jun18 |
| ZK338/338 | 3(F)sq   | ex 6sq/338          | <b>BS099</b> | may18 |
| ZK343     | TMU      | ex 29sq/343         | <b>BS104</b> | aug18 |
| ZK345     | TMU      | ex 6sq/345          | <b>BS106</b> | aug18 |
| ZK347/347 | 3(F)sq   | ex 6sq/347          | <b>BS108</b> | may18 |
| ZK348/348 | 3(F)sq   | ex 6sq/348          | <b>BS109</b> | may18 |
| ZK351/351 | 1(F)sq   | ex II(AC)sq/351     | <b>BS112</b> | jul18 |
| ZK354/354 | 3(F)sq   | ex XI(F)sq/354      | <b>BS115</b> | aug18 |
| ZK357/357 | XI(F)sq  | ex 1(F)sq/357       | <b>BS118</b> | aug18 |
| ZK360/360 | 6sq      | ex 3(F)sq/360       | <b>BS121</b> | jul18 |
| ZK362/362 | 6sq      | ex XI(F)sq/362      | <b>BS123</b> | jun18 |
| ZK364/364 | II(AC)sq | ex 3(F)sq/364       | <b>BS125</b> | aug18 |
| ZK369/369 | 6sq      | ex II(AC)sq/369     | <b>BS130</b> | aug18 |
| ZK372/372 | II(AC)sq | ex i/a EGQS         | <b>BS133</b> | jun18 |
| ZK424/424 | II(AC)sq | ex TMU              | <b>BS140</b> | aug18 |

|                     |             |                   |                     |
|---------------------|-------------|-------------------|---------------------|
| <b>Voyager KC3</b>  |             |                   |                     |
| ZZ332               | 1312Flt     | ex 10/101sq       | <b>1275</b> may18   |
| Army Air Corps (AR) |             |                   |                     |
| <b>Gazelle AH1</b>  |             |                   |                     |
| ZB677               | 29Flt/BATUS | ex o/h QinetiQ    | <b>1978</b> may18   |
| ZA736               | o/h QinetiQ | ex 29Flt/BATUS    | <b>1805</b> jun18   |
| <b>Griffin HAR2</b> |             |                   |                     |
| ZJ703               | o/h EGVF    | ex o/h Cobham     | <b>36296</b> jun18  |
| <b>Wildcat AH1</b>  |             |                   |                     |
| ZZ527               | WZM         | ex Leonardo       | <b>534</b> jul18    |
| Fleet Air Arm (NY)  |             |                   |                     |
| <b>Hawk T1W</b>     |             |                   |                     |
| XX239/CU-842        | 736NAS      | ex uncoded        | <b>312075</b> jun18 |
| <b>Merlin HM2</b>   |             |                   |                     |
| ZH837               | MDMF        | ex QinetiQ        | <b>RN17</b> jun18   |
| ZH845               | 814NAS      | ex MDMF           | <b>RN25</b> jun18   |
| ZH847/CU-(2)67      | 820NAS      | e 814NAS/CU-(2)67 | <b>RN27</b> may18   |
| ZH862               | 820NAS      | ex QAF            | <b>RN42</b> may18   |
| <b>Merlin HC4</b>   |             |                   |                     |
| ZJ120/D             | 845NAS      | ex Leonardo       | <b>50083</b> jul18  |
| ZJ122               | MDMF        | ex Leonardo       | <b>50113</b> jun18  |
| <b>Wildcat HMA2</b> |             |                   |                     |
| ZZ515               | 815NAS      | ex WZM            | <b>520</b> jul18    |
| ZZ516               | 815NAS      | ex WZM            | <b>521</b> jul18    |

## Africa

### Algeria

Al-Quwwat Al-Jawwiya Al Djazairiya (AF)

#### Firnas 142

|        |           |               |       |
|--------|-----------|---------------|-------|
| 7T-WDB | to ZI-WDB | f/n DB, photo |       |
| 7T-WDG | 8 EdE     | f/n DB, photo | jun18 |

### Burkina Faso

Force Aérienne de Burkina Faso (AF)

#### A-29B

BF1101/101 Esc. de Chasse serial update  
In February 2017 a photo was already found of one of the three delivered A-29B Super Tucanos wearing a new serial (BF1103). Peter Weinert found this month another one, the BF1101. So we now can assume that the other A-29B must be the BF1102. The A-29s were delivered in September 2011 as XT-MEA till XT-MEC. Most likely is that the XT-MEA became

the BF1101, etc., but confirmation is required.

### Burundi

Force Aérienne de Burkina Faso (AF)

HBBA = Bujumbura

#### SA342L

|          |           |               |      |
|----------|-----------|---------------|------|
| BAF-1120 |           | f/n DB, photo |      |
| 9U-ZFN   | std HBBA? | photo         | 2018 |

### Egypt

al Quwwat Al Jawwiya II Misriya (AF)

Recent satellite imagery shows twelve Kamov Ka-52 being stationed at Al Khatamia International airport, also known as Wadi al Jandali, just east of Cairo. The helicopters are operating with the 111th Air Wing and 46 in total are expected. Last year Russian Helicopters General Manager Andrei Boginsky said fifteen Ka-52s would be delivered to Egypt by the end of 2017.

### Ethiopia

Ye Ityopya Ayer Hayl (AF)

#### MiG-23BN

1302 wfu, ex 12sq f/n DB, photo

A photo of this MiG-23BN, one of the last MiG-23BNs delivered to Ethiopia, was published in the book Ethiopian-Eritrean Wars Volume 2 from Tom Cooper and Adrien Fontanellaz.

#### L-39ZA

1726 ex BGR 829 c/n update **633829** aug15

Thanks to a photo found by Peter Weinert we now can confirm that this L-39 is the former Bulgarian Air Force 829.

### Gabon

Forces Aérienne Gabonaises (AF)

An unmarked Mirage 5 is preserved since the end of July 2018 in front of Rhodesfield Engineering School, located just west of O.R. Tambo International airport, Johannesburg South Africa. Some of the Mirage 5s of Gabon were traded against the Mirage F1 in 2006 and placed in storage inside at hangar of Denel Aviation at Johannesburg International airport. Under the nose of the Mirage 5 is a laser range finder visible, so this will makes it almost for sure a Mirage 5G2. If correct only one 5G2 was exported, the 504, but confirmation is required. The aircraft can be found here: 26°07'37.10"S, 28°13'41.40"E



Only one CN235 is in service with the Gabon Air Force. CN235 TR-KJE was seen at the Airbus (former CASA) facility in Sevilla during heavy maintenance. (20 July 2018, Stephan Ehrig)



Not the most sexiest airplane in the inventory of the Force Aérienne de la République du Mali but this Tetrax 912 with serial TZ-02R is definitely a rare catch. (Bamako, 15 August 2018, anonymous)

## Libya

al Quwwat al-Jawwiya al Jamahiryan al Libya (AF)

### MiG-23MS

8702 wfu f/n DB, photo aug81  
A photo of this MiG-23 was published in one of the latest books of Tom Cooper; MiG-23 Flogger in the Middle East. Libyan National Army Air Force (AF)

### Mi-8T

H10 Flying Hospital f/n DB, photo may18

## Mali

Force Aérienne de la République du Mali (AF)  
GABS = Bamako-Senou

### Tetrax 912CSLM

|        |              |            |                  |
|--------|--------------|------------|------------------|
| TZ-397 | reregistered | as TZ-02R  | <b>105</b>       |
| TZ-416 | reregistered | as TZ-13R  | <b>186</b>       |
| TZ-02R | ex TZ-397    | c/n update | <b>105</b> aug18 |
| TZ-13R | ex TZ-416    | f/n GABS   | <b>186</b> aug18 |

TZ-02R was already a known serial but now we have also a confirmation of the construction number and so its previous registration.

## Rwanda

Force Aérienne Rwandaise (AF)

### Do-27A-1

20L05 ex 56+55 f/n DB **27-1003-341** may72

### Do-27Q-4

9XR-GR not to 20L05 dam. **2031**

In a document found by Ian Carroll the above information about the Dornier 27s was listed. It was always assumed that the 9XR-GR had become the 20L05, but it turns out that the 20L05 was a different subtype and former Germany Navy. The construction plate of the 20L05 was found and brought back by Warrant Officer Desanthoine during the UN mission in Kigali in April 1994. According to the document the 9XR-GR was damaged during an accident in Kagera National Park.

### L-18C

|        |              |                |                |
|--------|--------------|----------------|----------------|
| 9XR-GV | reregistered | as 20L06       | <b>18-3203</b> |
| 9XR-GW | reregistered | as 20L07       | <b>18-3201</b> |
| 20L06  | ex 9XR-GV    | to Kenya civil | <b>18-3203</b> |
| 20L07  | ex 9XR-GW    | to 5Y-HAE      | <b>18-3201</b> |

In the same document the above information about the L-18 Super Cubs was found. The 9XR-GV was former Belgium Army L-06, while the 9XR-GW was the L-27.

### SE3160

9XR-GT reregistered as 10K03 **1434**

9XR-GU reregistered as 10K02 **1440**

Also this information came from the document. It was always assumed that the 9XR-GT became the 10K02 and the 9XR-GU became the 10K03, however it was the other way around.

## Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

### PT-6

253 FTS f/n DB, photo 2018

## Asia

## Afghanistan

Afghan Air Force (AF)

Another batch of MD530G-I Cayuse Warrior Scout ground attack helicopters was noted early August 2018 at Phoenix/Mesa Gateway Airport (AZ) waiting to be picked up for their transport to Afghanistan. All helicopters were in full Afghan markings.

### MD530G-I

|     |     |                      |                     |
|-----|-----|----------------------|---------------------|
| 275 | MDH | f/n, full Afghan mks | <b>0275FF</b> aug18 |
| 276 | MDH | f/n, full Afghan mks | <b>0276FF</b> aug18 |
| 277 | MDH | f/n, full Afghan mks | <b>0277FF</b> aug18 |
| 278 | MDH | f/n, full Afghan mks | <b>0278FF</b> aug18 |
| 279 | MDH | f/n, full Afghan mks | <b>0279FF</b> aug18 |

## China

Some people might have already noticed on the internet that from now on also Scramble uses a dash in the type designation of aircraft from Chinese origin. We have made the change not because we think it is the correct translation of the Chinese way of writing things, but because hardly any other publication followed and than things become difficult in this internet era

People's Liberation Army Air Force (AF)

### J-7II

|      |                      |                     |
|------|----------------------|---------------------|
| 3715 | Xi'an FA/1st Brigade | aug18               |
| 3810 | Xi'an FA/1st Brigade | <b>721131</b> aug18 |

### J-10A

|       |              |                       |
|-------|--------------|-----------------------|
| 65041 | 43rd Brigade | photo                 |
| 65240 | 43rd Brigade | photo                 |
| 65241 | 43rd Brigade | photo                 |
| 63571 | 26th Brigade | <b>J10A0711</b> aug18 |
| 63671 | 26th Brigade | <b>J10A0537</b> aug18 |

### J-11A

|       |         |                   |
|-------|---------|-------------------|
| 62172 | Brigade | <b>0216</b> aug18 |
|-------|---------|-------------------|

**J-11B**  
...  
0706 aug18  
This is the first J-11B noted of the 7th batch.

**J-16**  
61180 7th Brigade aug18  
61185 7th Brigade aug18  
This is the first J-16 noted with the 7th Brigade. All J-7Ls were withdrawn last year.

**JJ-7A**  
3511 Xi'an FA/1st Brigade aug18

**Su-27SK**  
62078 16th Brigade 39614 aug18

**Su-30MKK**  
62302 9th Brigade aug17

**Su-35S**  
61172 6th Brigade aug18

**Y-8C**  
20572 16th Div/47th Reg aug18

**Y-9**  
10159 4th Div/10th Reg 441803 jul18  
10253 4th Div/10th Reg 511803 jul18

**Z-10K**  
6225 15th Airborne Army jul18

People's Liberation Army (AR)

8 August the China Army installed a second helicopter detachment force that will be deployed on UN peacekeeping missions in Sudan. The Mi-171 helicopters come from 81st LH Brigade that is based on Tongxian air Base, which can be seen when arriving by air approaching from the south on Beijing International airport. The helicopters and 140 troops will be flown to Sudan mid to late August.

In 2016 the first four Mil helicopters became operational in Sudan. Also these were taken from what is now called 81st LH Brigade.

**Mi-171**  
LH992765 72nd Brigade jun18

**Mi-171E**  
LH911761 Xinjiang Brigade jul18  
LH911768 Xinjiang Brigade jul18  
LH911792 Xinjiang Brigade jul18  
LH972730 77th Brigade aug18

**Mi-17V-5**  
LH951726 81st Brigade jul18  
LH961762 78th Brigade jul18

LH992715 72nd Brigade aug18

**Z-8B**  
LH991806 71st Brigade jul18

**Z-8G**  
LH981872 76th Brigade jul18  
With this sighting it is confirmed that the Z-8G is now operating with six Brigades.

**Z-9WZ**  
LH911906 Xinjiang Brigade jul18  
LH911916 Xinjiang Brigade jul18  
LH911923 Xinjiang Brigade Z9-0515 jul18  
LH911983 Xinjiang Brigade Z9-0543 jul18  
LH992932 72nd Brigade aug18  
LH992938 72nd Brigade aug18  
LH992939 72nd Brigade aug18

**Z-10**  
LH992130 72nd Brigade jul18

People's Liberation Army Navy (NY)

**J-11BSH**  
83289/29 8th Div/24th Reg photo  
83381/31 8th Div/24th Reg photo  
83385/34 8th Div/24th Reg 0312 photo  
83385/35 8th Div/24th Reg 0313 photo  
83386/36 8th Div/24th Reg photo

**JL-9G**  
83206 Naval Av. University/3rd Reg aug18

**JL-10H**  
88009/09 Naval Av. University/8th Reg? aug18

On 3 August at Suizhong Air Base the Chinese Navy held an induction ceremony for the first twelve JL-10H advanced trainers within the Naval Aviation University. Starting at the end of December 2017 four deliveries of three aircraft each time had taken place by Hongdu Aircraft Corporation and the regiment is now ready to accept its first class of 2018. On the pictures provided from the ceremony all serials and codes had been photoshopped. The released PR film however revealed that the same serial batch was used as the initial aircraft, suggesting 88001 up to 88102 are now operational.

**KJ-500H**  
81036 3rd Division aug18  
Police (PO)

**Z-8AWJS**  
WJ560310 WJS/Forrestry Com/2nd Bat aug18  
WJ572303 WJS/ Xinjiang Corps aug18  
WJ572306 WJS/ Xinjiang Corps aug18



Four Indian Air Force SU-30MKI/MKI-3 of 102 Sqn based at Chabua attended the Pitch Black 2018 exercise at RAAF Base Darwin in Australia. Next month we will publish a full report of this Exercise! (2 August 2018, Hans van Herk).



Preserved at a roundabout in Banyuwangi is this LiM 5 with serial 1118. (2 March 2018, Jee Nall)

## India

Bharatiya Vayu Sena (AF)

July 2018 saw first flights for brand-new types of aircraft for the Indian Air Force. Within one week both the AH-64E Apache and the CH-47F(I) Chinook were test flown at Boeing Mesa (AZ) respectively Boeing Ridley Park (PA). Both type of helicopters sport the well-known overall grey c/s.

This year's Pitch Black exercise in Darwin, Australia saw India participating with four Su-30MKI/MKI-3 Flanker fighter aircraft and a C-30J-30 Hercules transport aircraft. The Flankers came from 102sq Trisonics based at Chabua AFS in the state of Assam, whilst the Hercules came from Special Air Operations 87sq based at Panagarh AFS in the state of West Bengal.

### AH-64E

|     |        |                              |  |
|-----|--------|------------------------------|--|
| ... | Boeing | f/f 16jul18 as N4801A        |  |
| ... | Boeing | registration N4802A reserved |  |

### CH-47F(I)

|     |        |                       |              |
|-----|--------|-----------------------|--------------|
| ... | Boeing | f/f 23jul18 as N279RN | <b>M2401</b> |
|-----|--------|-----------------------|--------------|

### Do228-202K

|       |      |           |                   |
|-------|------|-----------|-------------------|
| KD714 | 41sq | ex Kanpur | <b>4122</b> aug18 |
|-------|------|-----------|-------------------|

### Su-30MKI

|       |       |         |                       |
|-------|-------|---------|-----------------------|
| SB048 | 102sq | ex 20sq | <b>10MK2404</b> aug18 |
|-------|-------|---------|-----------------------|

### Su-30MKI-3

|       |       |          |       |
|-------|-------|----------|-------|
| SB184 | 102sq | f/n      | aug18 |
| SB307 | 102sq | ex 24sq  | aug18 |
| SB323 | 102sq | ex 220sq | aug18 |

### Tejas LCA

|        |     |             |              |
|--------|-----|-------------|--------------|
| LA5010 | HAL | f/f 26jul18 | <b>SP-10</b> |
|--------|-----|-------------|--------------|

Bharatiya Thatrakshak (CG)

The first of sixteen of the latest version of the Dhruv helicopter (Mk.III) for the Indian Coast Guard was handed over to the Rotary Wing Research and Development Centre at Bengaluru on 29 June 2018. The Dhruv was still in primer colours. The Indian Coast Guard started operating the Dhruv in 2002 and only four were delivered to this moment. The order for the sixteen additional helicopters was placed in March 2017 with deliveries to start in 2020.

### Dhruv Mk.III

|       |        |                 |       |
|-------|--------|-----------------|-------|
| CG855 | RWR&DC | f/n, primer c/s | jun18 |
|-------|--------|-----------------|-------|

## Indonesia

Tentara Nasional Indonesia - Angkatan Udara (AF)

|      |   |   |
|------|---|---|
| AAU  | = | Akademi Angkatan Udara, Yogyakarta/Adisucipto, WARJ |
| MDM  | = | Museum Pusat TNI AU Dirgantara Mandala, WARJ        |
| PTDI | = | PT Dirgantara Indonesia                             |
| WARA | = | Malang/Abdul Rahman Saleh                           |
| WARJ | = | Yogyakarta/Adisucipto                               |
| WIAR | = | Madiun/Iswahjudi                                    |
| WICC | = | Bandung/Husein Sastranegara                         |
| WICJ | = | Bogor/Atang Senjaya                                 |
| WIHK | = | Kalijati/Suryadarma                                 |

This month we have some updates on the wrecks and relics side. Notably various new exhibits at the Museum Pusat TNI AU Dirgantara Mandala in Yogyakarta, gained over the last twelve months or so.

Jayapura airfield is to be upgraded from an auxiliary airfield (type B) to a front line air base (type A). Ultimate goal is to base a H225M squadron there. Also, aircraft shelters will be build.

PT Dirgantara Indonesia has had some export success with the NC212i and now the air force is taking up nine of them. Five will be delivered in 2019 and four in 2020.

### Bell 47G-3B-1

|        |           |                    |                   |
|--------|-----------|--------------------|-------------------|
| H-4701 | pres WIHK | outside gate       | jul18             |
| H-4702 | wfu WIHK  | for sale, ex SKU7  | <b>7416</b> apr18 |
| H-4703 | wfu WIHK  | for sale, ex SKU7  | <b>7413</b> apr18 |
| H-4704 | pres AAU  | ex SKU7            | <b>7410</b> jun17 |
| H-4705 | wfu WIHK  | for sale, ex SKU7  | <b>7409</b> apr18 |
| H-4706 | wfu WIHK  | for sale, ex SKU7  | <b>7408</b> apr18 |
| H-4707 | wfu WIHK  | for sale, ex SKU7  | <b>7406</b> apr18 |
| H-4708 | wfu WIHK  | for sale, ex SKU7  | <b>7401</b> apr18 |
| H-4709 | wfu WIHK  | for sale, ex SKU7  | <b>6646</b> apr18 |
| H-4710 | wfu WIHK  | for sale, ex SKU7  | <b>6645</b> apr18 |
| H-4711 | pres MDM  | ex SKU7, f/n oct17 | <b>6638</b> may18 |

The end of the venerable Bell 47G-3B-11 Soloy. Eight were auctioned off on 24 April 2018, three others are preserved, so all twelve are accounted for as H-4712 crashed on 11 March 2008. After being obtained from the Australian army in 1978, they more or less served for forty more years, the airframes are from the late fifties, so that is sixty years in total...

### AS202/18A3

|         |           |           |                  |
|---------|-----------|-----------|------------------|
| LM-2005 | pres WARQ | f/n sep16 | <b>185</b> may18 |
|---------|-----------|-----------|------------------|

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LM-2010 pr. Mataram City ex SkaDik101 **190** jan18  
 LM-2025 pres AAU ex SkaDik101 **208** may17  
 LM-2026 pres Taliwang ex SkaDik101 **209** jan18  
 LM-2038 pres MDM ex SkaDik101, f/n sep17 **221** may18

The first one is at the southern gate of the military area that is itself on the south side of the airport. LM-2010 is at Rembiga roundabout, -8.563717°, 116.103686°, which is at the entrance road to the airport at this town on earthquake-stricken Lombok island. Together with Bell 47G H-4704 and T-34C LD-3410, AS202 LM-2025 was revealed on 28 July 2017, although the aircraft were already installed a couple of months before that. LM-2026 is at Grand Royal Hotel roundabout, -8.748850°, 116.853954°, and was inaugurated 8 January 2018. This is the first aircraft monument on West Sumbawa.

#### Avia 14

T-414 pres MDM ex pres WARA jun18

On 24 April 2018, this was officially inaugurated along with three other new exhibits, a C-130B, an F27-400M, refer below. The fourth being former KLu Hunter F4 N-212.

#### Bell 204B

H-2060 pres MDM ex Bandung area oct17

#### C-130B

T-1301 pres MDM f/n oct17, silver c/s **3546** aug18

In October 2017, this Hercules was transported from Sulaiman Air Base, Bandung to Yogyakarta on low-loaders. The trip took no less than seven days! After arrival, the formerly camouflaged aircraft that already served as a monument, was re-assembled and painted in its original colour scheme.

#### Ce182T

L-1803 SkaDik101 f/n sep17 mar18

This is very likely N392TA (182-82392) cancelled from USCAR on 7 June 2016. The other two L-1801/1802 were delivered before April 2011 and very likely matches for these are N90230 (182-82236), and N9024J (182-82242), both cancelled 19 October 2010.

#### Ce401A

A-4014 pres MDM ex pres WARA **401A-0070** aug18

It is in white and blue colours and is a new inmate at the Museum Pusat TNI AU Dirgantara Mandala. One of three aircraft from Malang-Abdulrahman Saleh's Sulaksono Museum that went to YOG.

#### F-5E

TS-0501 pres WARJ ex SkU14, f/n 15jan18 **IE1001** apr18  
 TS-0503 pres MDM ex SkU14, std WIAR **IE1003** jun18  
 TS-0508 pres WARJ ex SkU14, std WIAR **IE1008** may17

TS-0511 pres WARQ ex SkU14, st WIAR **IE1011** jul18  
 The first one sits along the northern perimeter road at a monument, together with Harvard B-463, at -7.78651, E110.42699. The other one on base sits at the academy building with an unknown A-4E in front of the row with a MiG-19, BT-13, two Harvards and an F-86.

#### F-5F

TS-0513 pres Mejayan ex SkU14, l/n jul07 jul18

Inaugurated on 18 July, it is in a leisure park in this village that is about 17 kilometres northwest of Madiun, Java.

#### F27-400M

T-2707 pres MDM f/n apr18 **10544** aug18

Formerly stored at Bandung-Husein Sastranegara. It has reverted from A-2707 to its original serial.

#### H225M

HT-7204 SkU8 f/n apr17, ex PTDI **2962** apr17

HT-7205 SkU8 f/n jul18, ex PTDI **2964** aug18

HT-7206 SkU8 f/n, ex PTDI **2966** oct17

The prefix of these is 'HT' instead of just 'H' to denote its Combat Search and rescue role (T= Tempur = Combat). Confirmed so far have been these, as well as HT-7201 to 7203.

#### Hawk T53

TT-5301 pres WICC ex SkU15 **312190/126** may18

It is at the headquarters of material command (KOHARMA-TAU), which itself is on the North side of Husein Sastranegara airfield, opposite the PTDI facilities. It has been there since at least August 2016.

#### LiM-5

F-1118 pres Banyumas ex Malang, f/n jan18 jun18

F-1126 pres Makassar ex pres HQ KOOPSAU II may18

Banyumas gained a LiM-5 from Malang, it was installed at the central park, -7.517218°, 109.293828°. After some years of absence from its spot at the KOOPSAU II Headquarters in Makassar, LiM-5 F-1126 has been refurbished and inaugurated on 30 May 2018. It is now moved to a spot along the Makassar-Mandai underpass, at -5.066761°, 119.525579°.

#### LiM-5P

F-1181 pres MDM ex pres Malang **1D05-01** aug18

Transported from Malang University to the MDM at Yogya.

#### S-58T

H-3404 pres MDM ex SkU6, std WICC **58-1173** jun18

It was transported from Bandung in November 2017.

#### T-6

B-463 pres WARJ ex ... apr18

It is unknown if this is a genuine serial.



Photographed operational in 2013 at Jogjakarta and now preserved at the same base is T-34C LD-3410. (21 March 2013, Erwin van Dijkman)



One of the highlights for this year at Ramstein were three C295s of the Kazakhstan Air Force. 07 red is seen during landing by Dalibor Ankovic. (7 August 2018)

#### T-34C-1

|         |                 |                   |              |       |
|---------|-----------------|-------------------|--------------|-------|
| LD-3402 | sold in auction | to N73XZ          | <b>GM-46</b> | may18 |
| LD-3403 | sold in auction | to N4872M         | <b>GM-47</b> | jul18 |
| LD-3404 | Adisucipto      | stored, no engine | <b>GM-48</b> | mar18 |
| LD-3407 | sold in auction | to N15GR          | <b>GM-55</b> | jul18 |
| LD-3408 | sold in auction | to N94GR          | <b>GM-56</b> | jul18 |
| LD-3409 | sold in auction | to N93GR          | <b>GM-57</b> | jul18 |
| LD-3410 | pres AAU        | ex SkaDik102      | <b>GM-58</b> | may17 |
| LD-3411 | pres AAU        | ex SkaDik102      | <b>GM-59</b> |       |
| LD-3412 | sold in auction | to N903PA         | <b>GM-60</b> | jul18 |
| LD-3416 | pres MDM        | ex SkaDik102      | <b>GM-64</b> | aug18 |
| LD-3419 | sold in auction | to N80GR          | <b>GM-92</b> | jul18 |
| LD-3420 | sold in auction | to N83GR          | <b>GM-93</b> | jul18 |
| LD-3421 | sold in auction | to N6925Y         | <b>GM-94</b> | jul18 |
| LD-3423 | sold in auction | to N69XZ          | <b>GM-96</b> | may18 |

Officially withdrawn from service on 3 April 2018, eleven of the T-34s were put up for auction 26 March 2018. Of these, ten found a new owner and one, LD-3404, did not have an engine yet (still on overhaul) and therefore was not sold. Of course, the TNI-AU museum at Yogyakarta received one too, just like the Air Force Academy. This leaves just LD-3405 (l/n mar13) unaccounted for.

#### OV-10F

|         |           |             |  |       |
|---------|-----------|-------------|--|-------|
| TT-1013 | pres WARA | ex std WARA |  | jan18 |
|---------|-----------|-------------|--|-------|

#### S-58T

|        |           |             |  |       |
|--------|-----------|-------------|--|-------|
| H-3415 | pres WICJ | ex std WICJ |  | oct17 |
|--------|-----------|-------------|--|-------|

Tentara Nasional Indonesia - Angkatan Laut (NY)  
More reregistration mayhem this month...

#### Beech G36

|        |        |                      |               |       |
|--------|--------|----------------------|---------------|-------|
| T-2501 | SKU200 | f/n, reregistered    |               | jul18 |
| T-2502 | SKU200 | f/n, reregistered    |               | jul18 |
| T-2504 | SKU200 | f/n, reregistered    |               | may18 |
| T-2505 | SKU200 | f/n, rereg, ex L-215 |               | may18 |
| T-2506 | SKU200 | f/n, rereg, ex L-216 | <b>E-4052</b> | jul18 |
| T-2507 | SKU200 | f/n, reregistered    |               | jul18 |
| T-2508 | SKU200 | f/n, reregistered    |               | jul18 |

To four digits, and a change of prefix to 'T' instead of 'L'. The known tie-up indicates they were very likely serialled in order from L-211/218 to T-2501/T-2508; also the construction number is the sixth in the batch...

#### NB412

|         |        |                              |  |       |
|---------|--------|------------------------------|--|-------|
| HU-4207 | SKU400 | f/n, reregistered, ex HU-4__ |  | jul18 |
|---------|--------|------------------------------|--|-------|

This confirms the usage of 42xx for the 412s, but that still conflicts with the new AS565MBe, although they use HS as prefix. There is also a distant shot of a Navy grey AS565MBe seemingly registered HR-36xx. That could be part of the re-

registration process.

#### NBo105CB

|         |        |                              |  |       |
|---------|--------|------------------------------|--|-------|
| HE-4112 | SKU400 | f/n, reregistered, ex NV-4__ |  | aug18 |
| HE-4113 | SKU400 | f/n, reregistered, ex NV-4__ |  | may18 |

New prefixes here too.

#### NC212-200M

|        |        |                             |  |       |
|--------|--------|-----------------------------|--|-------|
| U-6203 | SKU600 | f/n, reregistered, ex U-6__ |  | jun18 |
| U-6205 | SKU600 | f/n, reregistered, ex U-6__ |  | jun18 |
| U-6206 | SKU600 | f/n, reregistered, ex U-6__ |  | may18 |
| U-6212 | SKU600 | f/n, reregistered, ex U-6__ |  | dec17 |
| U-6215 | SKU600 | f/n, reregistered, ex U-6__ |  | jul18 |
| U-6216 | SKU600 | f/n, reregistered, ex U-6__ |  | jul18 |

#### NC212-200MPA

|        |        |                              |  |       |
|--------|--------|------------------------------|--|-------|
| P-8203 | SKU800 | f/n, reregistered, ex P-85__ |  | jul18 |
|--------|--------|------------------------------|--|-------|

Third and last spotted with the new serial. Formerly P-850 to P-852 and now P-8301 to 8303; yes, we are tempted to assume they run neatly in order too... Anyway, P-8201 and P-8202 were assigned to Wing Udara 2, Skudron Udara 200 recently in an effort to cover the Northern part of Indonesia and its surrounding waters.

#### CN235-220MPA

|         |        |                        |             |       |
|---------|--------|------------------------|-------------|-------|
| P-8302  | SKU800 | f/n, ex P-86__         |             | aug18 |
| P-8304  | SKU800 | ex AX-2345, c/n update | <b>N066</b> | jul18 |
| AX-2346 | PTDI   | c/n update             | <b>N067</b> | may18 |

The first one is likely the former P-861, while the last one will probably be registered P-8305.

#### TB-10GT

|        |        |                              |  |       |
|--------|--------|------------------------------|--|-------|
| T-2405 | SKU200 | f/n, reregistered, ex L-20__ |  | may18 |
|--------|--------|------------------------------|--|-------|

Also, T-23xx could be made out in the background of a photograph and that would likely be a TB-9GT.

Badan Nasional Pencarian dan Pertolongan - BASARNAS (CG)

#### AS365N3+

|         |          |           |  |       |
|---------|----------|-----------|--|-------|
| HR-3603 | BASARNAS | f/n apr18 |  | apr18 |
| HR-3604 | BASARNAS | f/n jun18 |  | aug18 |

Two were ordered on 1 September 2015 and have since been delivered. They have been very active in disaster relief but also supporting the Asian Games 2018; in fact HR-3604 was permanently on stand-by for that.

Summing up the total BASARNAS fleet, according to the 2017 performance report:

|         |          |                     |
|---------|----------|---------------------|
| HR-1301 | AW139    | Bogor (AF)          |
| HR-1519 | NBo105CB | Bogor (AF)          |
| HR-1521 | NBo105CB | Surabaya (NY)       |
| HR-1522 | NBo105CB | Tanjung Pinang (NY) |

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|         |          |               |
|---------|----------|---------------|
| HR-1524 | NBo105CB | Bogor (AF)    |
| HR-3601 | AS365N3+ | Surabaya (NY) |
| HR-3603 | AS365N3+ | Bogor (AF)    |
| HR-3604 | AS365N3+ | Bogor (AF)    |

The bases are their home bases, with supporting agency between brackets; but they are often deployed. Struck of charge this year were NBo105CB HR-1517, HR-1518 and AS365N3+ HR-3602.

#### Polisi Udara (PO)

We have published our best stab at the order of battle of the Korps Kepolisian Perairan dan Udara (Air and Aquatic Police Corps), called Polisi Udara in short. The Indonesians are very fond of elaborate acronyms for their institutions and the official abbreviation is KORPOLAIRUD. So forget, 'POLRI', that is just the generic term for 'police' and every crew member wears that on his/her (there is one female pilot active) uniform.

As for the order of battle, it is spread over nine regions covering multiple geographical areas. That means there is a hub in that region, mostly in the main city, but also outposts with permanent and non-permanent detachments. For now, we have stuck to the regional hubs. So far, these are seldom used for long and most aircraft can be found at Pondok Cabe.

The registration system has slightly changed over recent years. The P-prefix is followed by a first digit likely denoting the aircraft's role. The second digit is a sequence of the subtype. Little is known yet, this is what we have so far:

|                   |              |                                |
|-------------------|--------------|--------------------------------|
| P-1001 onward     | not known    | used to be Cessnas             |
| P-1101 - P-1114   | NB105CB      | ex P-4001 - P-4024 (survivors) |
| P-2001            | Ce206        | ex P-1006?                     |
| P-2101 - P-2102   | DA40TDI      | ex P-1010 - P-1011             |
| P-3001 - P-3002*) | NB412        | old serials?                   |
| P-3003*)          | Bell 206B3   | old serial                     |
| P-3004*)          | not known    | old serial                     |
| P-3005 - P-3022*) | Enstrom 480B | old serials                    |
| P-3101 - P-3103   | AS365N3      | del as such                    |
| P-3201 - P-3202   | Bell 429     | del as such                    |
| P-4001            | Beech H18    | ex P-2022?                     |
| P-4101            | NC212M-100   | ex P-2031                      |
| P-4201 - P-4204   | M28-05       | ex P-2036 - P-2039             |
| P-4301            | Beech 1900D  | ex P-2033                      |
| P-4401            | Fokker 50    | ex P-2035                      |
| P-4501?           | C295M        | ex AX-2910                     |

\*) = the P-30xx range is still a bit puzzling. In the old system they simply started with P-3001 and serialled on, despite the

subtype. In the new system you would expect the eighteen Enstroms to be P-3001-3018, but where does that leave the surviving Nurtanio-Bell 412s? Maybe one of the Bell 206s (P-3003) also survives.

#### Beech H18 trigear

P-4001 POLAIRUD f/n, likely ex P-2022? jul18  
Of two known airframes, P-2022 and P-2023, the former was last noted active in April 2016 whereas the latter was stored already in 2006.

#### Japan

|                            |                      |
|----------------------------|----------------------|
| RJCO = Okadama             | RJFN = Nyutabaru     |
| RJNA = Nagoya/Komaki       | RJOS = Tokushima     |
| RJSK = Akita               | RJSU = Kasuminome    |
| RJTU = Utsunomiya          | ROAH = Naha          |
| ADTW = Hiko Kaihatsu Jik.  | AGG = Hiko Kyodogun  |
| ARS = Kyunantai            | ATS = Kyoiku Kokutai |
| FTS = Kyoiku Hikotai       | FTW = Hiko Kyoikudan |
| nmks = no tail unit-number |                      |

#### Nihon Koku-Jieitai (AF)

#### B777-3SB(ER)

|         |              |               |                   |       |
|---------|--------------|---------------|-------------------|-------|
| 80-1111 | 701 Hikotai? | ex N509BJ     | <b>62439/1422</b> | aug18 |
| N511BJ  | Boeing       | to be 80-1112 | <b>62440/1464</b> | apr17 |

Delivery flight of the first B777-300ER for the JASDF, still as N509BJ started from Basel on the 16th August and arrival at Chitose was on 17th August. By the 20th it was re-registered as 80-1111 so officially inducted into the JASDF. It is unknown if the aircraft is already on charge of 701 Hikotai because in the past new types are tested first by Hiko Kaihatsu Jikendan. (Air Development & Test Wing at Gifu)

#### F-2A

|         |           |                         |             |       |
|---------|-----------|-------------------------|-------------|-------|
| 63-8501 | o/h RJNA  | nb, test, ex ADTW       | <b>1001</b> | aug18 |
| 13-8516 | 8 Hikotai | confirmed, ex 6 Hikotai | <b>1016</b> | aug18 |
| 43-8524 | 3 Hikotai | ex nb/IRAN              | <b>1024</b> | jul18 |
| 43-8525 | 3 Hikotai | nb, ex IRAN             | <b>1025</b> | jul18 |
| 43-8530 | 6 Hikotai | nb, ex IRAN             | <b>1030</b> | jul18 |
| 83-8544 | 8 Hikotai | nb, ex IRAN             | <b>1044</b> | aug18 |
| 13-8564 | o/h RJNA  | nb, ex 8 Hikotai        | <b>1064</b> | may18 |

The former prototype XF-2A 63-8501, still in its red/white colours, reappeared at last. It was not seen for almost three years and in that time was fitted with new avionics such as integrated IRST, ECM and GaN AESA. It will serve as a test-bed for the future 5th generation fighter. F-2A 516 was already reported as an 8 Hikotai aircraft in November 2017, only now photographic evidence. Regarding the receiving unit for F-2A 530, 6 Hikotai was reported by another Nagoya blog, too late



Twelve M346s replaced the A-4s of the Singapore Air Force at Cazeux Air base. M346 332 of 150 Squadron visited Evreux air base on the 25th of June 2018. (Guillaume Normand)



Bell 206 3052 is noted 'stored' in our database since June 2016. However in this picture it looks like it is operational again! (Roosevelt Roads NAS, 4 May 2018, Johnny Rod)

for previous issue.

|             |            |            |             |       |
|-------------|------------|------------|-------------|-------|
| <b>F-2B</b> |            |            |             |       |
| 33-8123     | 21 Hikotai | ex nb/IRAN | <b>3023</b> | aug18 |
| 33-8124     | 21 Hikotai | ex IRAN    | <b>3024</b> | aug18 |

|                  |             |             |             |       |
|------------------|-------------|-------------|-------------|-------|
| <b>F-4EJ Kai</b> |             |             |             |       |
| 17-8437          | 302 Hikotai | nb, ex IRAN | <b>M137</b> | aug18 |

|                   |             |             |             |       |
|-------------------|-------------|-------------|-------------|-------|
| <b>RF-4EJ Kai</b> |             |             |             |       |
| 67-6380           | 501 Hikotai | nb, ex IRAN | <b>M080</b> | aug18 |

|               |           |                       |                |       |
|---------------|-----------|-----------------------|----------------|-------|
| <b>F-15DJ</b> |           |                       |                |       |
| 12-8051       | ? Hikotai | nb, ex ADTW           | <b>001/627</b> | aug18 |
| 12-8054       | o/h RJNA  | nb, ex 23 Hikotai     | <b>004/634</b> | aug18 |
| 92-8070       | AGG       | med.grey/dk grey camo |                | aug18 |

F-15DJ 051 was seen at Nyutabaru without badge so might be returned to 23 Hikotai.

|              |                 |                          |                |       |
|--------------|-----------------|--------------------------|----------------|-------|
| <b>F-15J</b> |                 |                          |                |       |
| 12-8803      | ex 203 Hikotai? | nb, to 306 Hikotai?      | <b>J1-0553</b> | jul18 |
| 42-8829      | 305 Hikotai     | ex 23 Hikotai            | <b>029</b>     | jun18 |
| 42-8833      | o/h RJNA        | nb, ex 303 Hikotai       | <b>033</b>     | aug18 |
| 52-8862      | o/h RJNA        | nb, ex 305 Hikotai       | <b>062</b>     | feb18 |
| 72-8889      | 305 Hikotai     | ex IRAN                  | <b>089</b>     | aug18 |
| 82-8905      | o/h RJNA        | nb, test, ex 203 Hikotai | <b>105</b>     | aug18 |
| 92-8909      | 204 Hikotai     | ex 201 Hikotai           | <b>109</b>     | jun18 |
| 02-8922      | 204 Hikotai     | ex nb/IRAN               | <b>122</b>     | jul18 |
| 22-8930      | o/h RJNA        | nb, ex 304 Hikotai       | <b>130</b>     | jul18 |
| 22-8935      | 304 Hikotai     | nb, ex IRAN              | <b>135</b>     | aug18 |

In Scramble 471 – page 80 we reported on the fate of F-15J 803 after re-delivery from Nagoya. It appears it only operated with 203 Hikotai badge for about two weeks and was noted without badge on 23th July, reportedly on its way to Komatsu to join 306 Hikotai.

|              |            |  |                |       |
|--------------|------------|--|----------------|-------|
| <b>F-86D</b> |            |  |                |       |
| 84-8117      | Arakawa-ku |  | <b>173-242</b> | jul18 |

This Sabre was in the database as presumed preserved without location. An omission as others had it already in various publications. A recent photo on the net spurred us to include it with more details. It is in the Metropolitan College of Aeronautical Engineering in Arakawa-ku, which is a special ward (-ku in Japanese) of Tokyo-metropolis.

|               |           |          |                  |       |
|---------------|-----------|----------|------------------|-------|
| <b>F-104J</b> |           |          |                  |       |
| 46-8607       | Fukui-shi | removed? | <b>683B-3107</b> | mar17 |

This Starfighter has probably been removed from its position outside the University of Technology. Aerial view on GoogleEarth still shows the aircraft but the most recent Street-view of GE gives an empty space.

|                  |            |                     |             |       |
|------------------|------------|---------------------|-------------|-------|
| <b>UH-60J II</b> |            |                     |             |       |
| 88-4606          | Mitsubishi | f/n, test at Nagoya | <b>2056</b> | aug18 |

|            |             |               |             |       |
|------------|-------------|---------------|-------------|-------|
| <b>T-4</b> |             |               |             |       |
| 06-5629    | 305 Hikotai | hangared RJFN | <b>1029</b> | jul18 |
| 96-5771    | 305 Hikotai | ex 23 Hikotai | <b>1171</b> | aug18 |
| 06-5782    | 32 FTS      | ex nb/IRAN    | <b>1182</b> | jul18 |

T-4 629 was last seen active September 2016, noted without engines inside a Nyutabaru hangar in July 2018.

|            |          |                          |           |       |
|------------|----------|--------------------------|-----------|-------|
| <b>T-7</b> |          |                          |           |       |
| 46-5917    | o/h RJTU | nb, test, ex 11 FTW      | <b>17</b> | aug18 |
| 56-5926    | 12 FTW?  | 11FTW mks, ex IRAN       | <b>26</b> | aug18 |
| 66-5934    | 11 FTW   | no tail stripes, ex blue | <b>34</b> | aug18 |
| 66-5941    | 12 FTW   | ex 11 FTW                | <b>41</b> | aug18 |

The ferry pilot for T-7 926 was brought in by a 12 FTW T-7 so we believe it will end up at Hofu.

|            |              |          |             |       |
|------------|--------------|----------|-------------|-------|
| <b>U-4</b> |              |          |             |       |
| 05-3255    | 402 Hikotai? | no badge | <b>1359</b> | aug18 |

Fourth U-4 without unit markings. The fifth aircraft, 75-3252 could be receiving overhaul.

|               |           |         |               |       |
|---------------|-----------|---------|---------------|-------|
| <b>U-125A</b> |           |         |               |       |
| 22-3020       | RJSK ARS? | unit nn | <b>258513</b> | aug18 |

This aircraft operated without unit sticker from Hamatsu for over one year but when photographed at Akita it had a unit sticker applied, unfortunately it could not be read off.

Rikujo Jieitai (AR)

|              |       |                  |           |       |
|--------------|-------|------------------|-----------|-------|
| <b>AH-1S</b> |       |                  |           |       |
| 73465        | IATH  | at RJTU, ex VATH | <b>65</b> | aug18 |
| 73468        | IIATH | ex SK            | <b>68</b> | aug18 |
| 73470        | IATH  | ex S             | <b>70</b> | jul18 |

|              |           |                  |             |       |
|--------------|-----------|------------------|-------------|-------|
| <b>UH-1H</b> |           |                  |             |       |
| 41672/II     | Nerima-ku | JGSDF camp Asaka | <b>1H72</b> | aug18 |

It was not seen in February 2017 but reappeared by August 2018 at this recruitment/PR center.

|              |           |                       |              |       |
|--------------|-----------|-----------------------|--------------|-------|
| <b>UH-1J</b> |           |                       |              |       |
| 41804        | ?         | at RJCO, unit code nn | <b>1J04</b>  | jul18 |
| 41810        | NH        | ex no unit code       | <b>1J10</b>  | jul18 |
| 41821        | ? Hikotai | no code RJCO, ex XI   | <b>1J21</b>  | aug18 |
| 41887        | VII?      | unit not 100%         | <b>1J87</b>  | aug18 |
| 41925        | o/h RJTU  | no code/test, ex X    | <b>1J125</b> | jul18 |

|              |   |                       |             |       |
|--------------|---|-----------------------|-------------|-------|
| <b>OH-6D</b> |   |                       |             |       |
| 31291        | ? | no code RJSU, ex XIIH | <b>6745</b> | apr18 |

Kaijo Jieitai (NY)

|               |            |                         |             |       |
|---------------|------------|-------------------------|-------------|-------|
| <b>SH-60J</b> |            |                         |             |       |
| 8262          | 22 Kokutai | unit surmised, ex 21Kok | <b>1062</b> | jun18 |
| 8269          | 25 Kokutai | ex IRAN                 | <b>1069</b> | aug18 |
| 8291          | 22 Kokutai | ex IRAN                 | <b>1080</b> | jul18 |

|               |            |                     |             |       |
|---------------|------------|---------------------|-------------|-------|
| <b>UH-60J</b> |            |                     |             |       |
| 8971          | 22 Kokutai | at Kanoya, ex 72Kok | <b>3011</b> | apr18 |

|               |            |                   |                |       |
|---------------|------------|-------------------|----------------|-------|
| 8974          | o/h RJNA   | ex 22, 72 Kok     | <b>3014</b>    | aug18 |
| <b>SH-60K</b> |            |                   |                |       |
| 8427          | 22 Kokutai | ex 23 Kokutai     | <b>5027</b>    | feb18 |
| 8455          | 21 Kokutai | ex MHI            | <b>5055</b>    | jul18 |
| 8456          | 22 Kokutai | ex MHI            | <b>5056</b>    | feb18 |
| 8457          | 22 Kokutai | ex MHI            | <b>5057</b>    | jun18 |
| 8459          | Mitsubishi | f/n, for 22Kok    | <b>5059</b>    | aug18 |
| <b>P-1</b>    |            |                   |                |       |
| 5518          | KawasakiHI | f/n, test at Gifu | <b>18</b>      | jul18 |
| <b>P-3C</b>   |            |                   |                |       |
| 5066          | ? Kokutai  | nmks, at ROAH     | <b>9063</b>    | aug18 |
| 5067          | 203 ATS    | ex nmks           | <b>9064</b>    | aug18 |
| 5090          | 5 Kokutai  | ex 1 Kokutai      | <b>9087</b>    | aug18 |
| <b>T-5</b>    |            |                   |                |       |
| 6345          | 201 ATS    | o/h at RJTU       | <b>45</b>      | aug18 |
| <b>U-36A</b>  |            |                   |                |       |
| 9205          | 91 Kokutai | o/h at RJOS       | <b>36A-060</b> | jun18 |

## Nepal

Nepal Army (AR)

### CN235-220M

At the Singapore Show at Changi it was revealed that the Nepalese Government is in negotiation with Indonesian IPTN for the purchase of a second CN235-220M. Apparently, on June 2017 the first CN235-220M was ordered. That airframe is already under construction at Bandung.

### H125M

NA-055 11th Bgde ex F-WTCO aug18

The delivery flight from Airbus/Singapore to Nepal on 23 July 2018 received attention as the overflight over Myanmar was denied, citing Myanmar as no-fly zone during the monsoon season. On 16 August the helicopter arrived at Tribhuvan International Airport, home of the 11 Brigade. Officially, the Nepalese Army now operates 11 aircraft, being four Mi-17-1V/Mi-17V-5, two Bell 206, three AS350/H125M, one Islander and one PZL M28 Sky Truck

## Pakistan

Pakistan Fiza'ya (AF)

### JF-17

17-245 PAC Kamra f/n apr18

## Philippines

Pilipinas Hukbong Himpapawid (AF)

### NC212i

2119 223rd sq ex AX-2119 **N11026** jun18



The tenth and final PC-21 for the Royal Jordanian Air Force is getting ready for delivery. Originally Jordan ordered the PC-9M back in 2015, but this was switched to the PC-21 in 2016. (Stans-Buochs, 30 July 2018, Stephan Widmer)

2120 223rd sq ex AX-2120 **N11126** jun18  
Both Indonesian build C212's were handed over on 26 June 2018 and will be used to replace the GAF Nomad with 223rd sq. Initially the aircraft were supposed to be delivered in 2017, but it was stated that technical issues caused a two-year delayment. Whether the serials shown during the handover ceremony will remain, is yet unknown.

### OV-10

End of July it was discovered that OV-10A and two OV-10G+ Bronco's were being readied at Luke AFB for delivery to the Philippines. The aircraft will be shipped by boat to the Philippines where they are expected to arrive in the first months of 2019. In 2003/2004 the last eight OV-10C's were received from Thailand after which they were converted to OV-10M. It was commonly believed that the A-29 Super Tucano would now take over the COIN task at 15 Strike Wing. Jane's Defence Weekly reports that also two newly converted Basler BT-67 gunships were offered to the Philippines.

### OV-10G+

|        |     |           |                |
|--------|-----|-----------|----------------|
| 155481 | o/o | ex N581NA | <b>305-92</b>  |
| 155492 | o/o | ex N3634U | <b>305-103</b> |

### C-130T

In addition to the two Cessna 208 ISR (Intelligence, Surveillance and Recognition) aircraft that were received in July 2017, the Philippine Air Force has now converted C-130T 5040 with so called SABIR (Special Airborne Mission Installation & Response) equipment, which includes an optical sensor at the rear of the aircraft and a bubble window with observation seat behind it build into the side door.

The ISR conversion is part of the Pentagon Maritime Security Initiative (MSI) to the Philippine government. With the mission suite placed on two pallets, the aircraft can easily be converted between the ISR role and the regular cargo transport role

## Singapore

Republic of Singapore Air Force (AF)

### A330-243MRTT

|     |                |                     |       |
|-----|----------------|---------------------|-------|
| ... | o/o, as EC-336 | <b>1799</b>         | jun17 |
| ... | o/o, as EC-337 | <b>1822</b>         | oct17 |
| ... | o/o, as F-WWYR | <b>1857</b>         | feb18 |
| ... | o/o, as F-WWYX | <b>1886</b>         | jul18 |
| 760 | ex EC-333      | <b>1667/MRTT033</b> | jun18 |
| 761 | ex EC-332      | <b>1762/MRTT034</b> | aug18 |

Because we did not report one of these before in our magazine, we publish the entire fleet of the six aircraft. The air-



Yet another batch of Saudi Eagles was delivered through Lakenheath in July. 12-1068 was part of a batch of five F-15SAs. Originally six were planned, but 12-1067 returned to St. Louis with technical issues. (23 July 2018, Rick Sleight)

craft were bought in March 2014.

|                    |       |                   |                         |
|--------------------|-------|-------------------|-------------------------|
| <b>AS332M1</b>     |       |                   |                         |
| 223                | 126sq | ex 125sq          | <b>2409</b> aug18       |
| <b>F-15SG</b>      |       |                   |                         |
| 8301               | 142sq | ex 149sq          | <b>1416/SG-01</b> aug18 |
| 8322               | 142sq | ex 149sq          | <b>1433/SG-18</b> aug18 |
| 8336               | 149sq | f/n DB            | aug18                   |
| <b>F-16C-52-CF</b> |       |                   |                         |
| 615                | 143sq | ex Black Nights   | <b>DA-09</b> jul18      |
| 620                | 140sq | ex Black Nights/1 | <b>DA-15</b> aug18      |
| <b>F-16D-52-CF</b> |       |                   |                         |
| 632                | 143sq | ex 140sq          | <b>DB-15</b> jul18      |

### South Korea

Han Guk Gong Gun (AF)

#### F-4E

It was brought to our attention that all F-4Es are retired except the ones in the series 60-49\*, 60-50\*, 60-51\*, 80-72\*, 80-73\* and 80-74\*. So the number of active RoKAF F-4Es is around 27.

Han Guk Hae Gun (NY)

#### MUH-1

17002 Marine Corps w/o 17jul18

It was a first note for the database. Serial confirmed from crashphoto and further details in Dustpan and Brush.

### Thailand

Royal Thai Navy (NY)

In August the Israeli company Aeronautics Ltd announced a deal with the Thai Air Force for the delivery of the Dominator XP MALE (Medium Altitude Long Endurance) UAS. The company has converted DA42 aircraft into AN unmanned aerial vehicle (DA42 Dominator XP MALE UAS) that can carry a payload of 1900 kg which will be used to put ISR equipment like SAR, ELINT, COMINT etc in the aircraft, with a maximum mission length of about 20 hours.

Royal Thai Army (AR)

#### Hermes 450

|     |     |            |
|-----|-----|------------|
| 191 | o/o | <b>191</b> |
| 192 | o/o | <b>192</b> |
| 193 | o/o | <b>193</b> |
| 194 | o/o | <b>194</b> |

The UAV aircraft were delivered early August and will be used by 21st Aviation Battalion from Lop Buri. The four aircraft and one ground station cost US \$28 Million. The UAVs

come in addition to the four IAI Searcher Mk II's that are operational since 2001.

KASET (AG)

#### NC212i

--

**N115** aug18

This is the second Aviocar noted for the KASET. A picture was seen from March 2018 when it was sitting on the production line, with still no wings nor tail and no painting. The first Bandung produced aircraft wears serial 1543, so this one might become 1544.

## Middle East

### Iran

Islamic Republic of Iran Air Force (AF)

#### F-5F

3-7400 "Kowsar" aug18

On the 21st of August, Iranian President Rouhani presented an F-5F as Iran's first domestic fighter jet named 'Kowsar'. The serial worn by the aircraft is an update, that is the only reason why it is worth mentioning. This is one in a long line of announcements of "indigenous developed aircraft" that were all fake or highly overrated by the Iranian press and officials.

Islamic Republic of Iran Army Aviation (AR)

#### Fajr-3

6-5002 IRIAA w/o 29may18

### Iraq

Iraqi Air Force (AF)

#### L-159A

5909 115th Training/Attack sq, del **156010** jun18

#### L-159T1

5902 115th Training/Attack sq, del **156017** may18

#### T-50IQ

5007 204th Training sq, del jun18

5008 204th Training sq, del jun18

5009 204th Training sq, del jun18

5010 204th Training sq, del jun18

On June 8th, the Iraqi Air Force received another six Korean Aerospace Industries (KAI) T-50IQs. 50% of the order of 24 aircraft has since been delivered. The T-50s are assigned to the Flying Training Wing, 204th Training squadron at al-Basra/al-Shaibah. Initially, 204sq was destined to be stationed at Tikrit-Al Sahra but in late 2017, the T-50s were delivered to

al-Basrah instead. It is unknown if the squadron will eventually move to Tikrit.

## Iraqi Kurdistan

Kurdistan Regional Government Police (PO)

The Kurdistan Ministry of the Interior (MoI/Police)-operated MD530FF helicopters started receiving large serial numbers on their engine cowlings. The serials adhere to the Scramble standard :-), consisting of the four digits from the construction number.

## Jordan

al Quwwat al-Jawwiya Almalakiya al-Urduniya (AF)

### PC-21

|             |         |              |            |       |
|-------------|---------|--------------|------------|-------|
| 1178/HB-HXI | Pilatus | first flight | <b>291</b> | jul18 |
| 1179/HB-HXJ | Pilatus | first flight | <b>292</b> | jul18 |

The last Pilatus PC-21 trainer for the Royal Jordanian Air Force made its first flight at Stans-Buochs on 30 July 2018. The eight aircraft of the first batch (1170-1177) were all delivered by the end of 2017. After the initial order for nine PC-9M, in 2015, was altered to eight PC-21, an option for two more examples was expressed. The option was exercised in December 2016. These two, and not four extra, will be delivered shortly bringing to total to ten.

## Lebanon

al-Quwwat al-Jawwiya al-Lubnaniya (AF)

### AW139

|       |     |            |              |       |
|-------|-----|------------|--------------|-------|
| CEDAR | LAF | ex Cedar 1 | <b>31047</b> | aug18 |
|-------|-----|------------|--------------|-------|

This US manufactured Agusta was bought and donated by the Emir of the state of Qatar Sheikh Hamad Bin Khalifa from Aero Toy Store (ex N473TS) to be used by the then Lebanese president Michel Suleiman back in 2008. As part of military aid to the Lebanese Army the white helicopter never worn an external serial and used callsign Cedar 1. It was based at Beirut International Airport and was first noted as such in January 2010. By now the helicopter is painted in a two tone green camouflage with stylish "CEDAR" lettering and a LAF roundel as the only external markings. It seems it is in use as the transport for the Lebanese Army commander.

### IAR330SM

|       |     |                         |  |  |
|-------|-----|-------------------------|--|--|
| L-916 | 9sq | ex UAE, large side pods |  |  |
|-------|-----|-------------------------|--|--|

jul18

### SA342L

|       |     |     |       |
|-------|-----|-----|-------|
| L-817 | 8sq | f/n | jul18 |
|-------|-----|-----|-------|

### UH-1H-II

|        |      |     |       |
|--------|------|-----|-------|
| L-1203 | 12sq | f/n | jul18 |
|--------|------|-----|-------|

## Qatar

Qatar Emiri Air Force (AF)

Leonardo announced that it has finalized the NH90-contract with Qatar on 20 August 2018. The Qatar Ministry of Defense ordered the NH90s in a programme valued more than €3 billion in March 2018. We have reported before the order would consist of twelve NH90-TTHs (Troop Transport Helicopter) and ten NH90-NFHs (Navy Frigate Helicopter). The final order now reported to consist of sixteen NH90-TTHs and twelve NH90-NFHs. Deliveries are expected to start in the 2019-2020 time frame.

## Saudi Arabia

al Quwwat al-Jawwiya as Sa'udiya (AF)

Production and delivery of the batch of 22 BAE Systems Hawk Mk165 for Saudi Arabia is complete. The last two new Saudi Warton built Hawks left in December 2017. BAE Systems however signed a contract to supply the Royal Saudi Air Force with a second batch of a further sixteen Hawk 165s in February 2015, The company confirmed that it was to establish a Hawk aircraft final assembly line in Saudi Arabia as part of the Saudi Vision 2030 programme. Almost none of the subsequent Warton built fuselage and wing sets have been identified. They are airlifted out for final assembly in Saudi Arabia, most likely in Dhahran. First deliveries from the Saudi Hawk production line are reportedly expected in the third quarter of 2018. At King Faisal Air Base in Tabuk 21sq and 79sq have converted to the Mk165. 37sq and 88sq (the Saudi Hawks national display team) still operate the Mk65 and Mk65A variant. Possibly the sixteen local assembled Hawks will at least convert 37sq as well, leaving the Saudi Hawks with the older variant.

The Royal Saudi Air Force (RSAF) has been operating the Chengdu CH-4B Rainbow combat UAV out of Khamis Mushait (King Khalid Air Base) in the south-west of Saudi Arabia for some time. The CH-4B Rainbow is reported to have seen considerable action especially in patrolling missions along the Saudi-Yemeni borders. It is known to be operating from Jizan airport, close to the Yemen border. Judging from serial 20301



This C-27A is registered to the Russell Military Museum located in Illinois, but still stored at nearby Racine (WI). It seems to have a bit of an identity crisis, as it still carries titles of its former owner the Department of State Air Wing, its former Colombian serial PNC-3001 and its former US Air Force serial 91-0106. (Ad Jan Altevogt, 22 July 2018)



The E-11A is a Bombardier Global Express fitted with the Battlefield Airborne Communications Node. These aircraft function as airborne communication hubs and data links, providing an important translation point between different types of communication. E-11As are often deployed in the Middle East, but are sometimes seen in Europe while transitioning to/from CONUS. (Belfast, 29 July 2018, Paul Harvey)

from internet video footage it is assumed 203 squadron may operate the CH-4B.

The Rainbow shows striking similarity with the General Atomics MQ-1 Predator UAV, with four under-wing weapon pylons and a payload capacity of up to 345 kg. In 2017, Saudi Arabia struck a deal with China to buy an unknown number of these combat drones along with licensed manufacturing in Saudi Arabia. The logic behind is most likely reservations by the United States Administration to sell the advanced Predator, or Reaper, UAV to the Kingdom.

Saudi Technology Development and Investment Company (TAQNIA) signed a protocol with China's Aerospace Long-March International Trade (ALIT) for the drone production line at the biennial International Defense Exhibition and Conference (IDEX) in Abu Dhabi in February 2016. TASNIA is a subsidiary of Saudi Arabia's Public Investment Fund, while ALIT is a Chinese export-import company that specializes in aerospace technologies. This Saudi production line will also cater to the needs of other operators of the type in the region, including Iraq, Egypt and Jordan.

Saudi Arabian Government (GV)

|               |                    |              |
|---------------|--------------------|--------------|
| <b>H145T2</b> |                    |              |
| MOI-52/D-HCBW | Airbus Helicopters | <b>20127</b> |
| MOI-50/D-HADN | Airbus Helicopters | <b>20109</b> |
| MOI-51/D-HADB | Airbus Helicopters | <b>20119</b> |
| MOI-53/D-HADD | Airbus Helicopters | <b>20130</b> |
| MOI-54/D-HADO | Airbus Helicopters | <b>20138</b> |
| MOI-55/D-H... | Airbus Helicopters | <b>20143</b> |
| MOI-62/D-HADJ | Airbus Helicopters | <b>20180</b> |
| MOI-66/D-HADT | Airbus Helicopters | <b>20194</b> |
| MOI-70/D-HCBR | Airbus Helicopters | <b>20199</b> |

The German government approved the sale of 23 Airbus Helicopters tot the Saudi Minstry of Interior in March 2016. Several have been seen during test flights around Donauwörth, Germany, where manufacturing takes place. The batch presumably runs from MOI-50 to MOI-72 and was started in April 2016. Most likely at least some examples have been delivered by now but details have yet to emerge.

## Yemen

al-Quwwat al-Jawwiyal-Quwwat al-Jawwiya al-Yamaniya (AF)

|               |         |                   |
|---------------|---------|-------------------|
| <b>C-130H</b> |         |                   |
| 70-ADE        | ex 1150 | <b>4825</b> dec15 |

This Hercules was seen at Amman-Marka and was on overhaul. It wore a pristine white c/s and the MSN was physically checked.

## Latin America

### Argentina

Fuerza Aérea Argentina (AF)

Three new Pampa IIIs are nearing completion. These are built from the airframe hulks that had been lying around the factory for nearly 10 years... The first will be used as a test aircraft whereas the next two will be for the air force. Objective is to deliver these in late 2018. However, you may recall that they were under construction a year ago also and not much progress was made.

#### Bell 412EP

|       |     |          |                      |       |
|-------|-----|----------|----------------------|-------|
| H-104 | GA7 | f/n, h/o | 12dec17, del 29jan18 | jul18 |
|-------|-----|----------|----------------------|-------|

We did not mention the fourth new one yet.

#### IA-63 Pampa III

|     |       |                           |             |       |
|-----|-------|---------------------------|-------------|-------|
| ... | FAdeA | to be FAdeA test aircraft | <b>1028</b> | aug18 |
| ... | FAdeA | 1st for FAA               | <b>1029</b> | aug18 |
| ... | FAdeA | 2nd for FAA               | <b>1030</b> | aug18 |

Cuerpo Federal de Aviación (PO)

#### H155

|        |               |             |           |             |       |
|--------|---------------|-------------|-----------|-------------|-------|
| LQ-HWN | Rep.Argentina | del 01aug18 | ex F-VWOP | <b>7031</b> | aug18 |
|--------|---------------|-------------|-----------|-------------|-------|

It sports 'República Argentina' titles but is operated by the Ministerio de Seguridad de Nación (Ministry of Security). It was delivered as air cargo through Schiphol. We suspect it will be used for VVIP flights by the president that was strongly against air force funds being used for such aircraft and missions...

### Chile

Fuerza Aérea de Chile (AF)

#### MH-60M (S-70i)

|                |            |                  |                     |       |
|----------------|------------|------------------|---------------------|-------|
| (H-03 or H-04) | Grupo 9    | ex SP-YVE        | <b>70-3988/0029</b> | aug18 |
| (H-03 or H-04) | Grupo 9    | ex SP-YVD        | <b>70-4003/0034</b> | aug18 |
| H-03           | Grupo 9    | serial confirmed |                     | aug18 |
| H-04           | Grupo 9    | serial confirmed |                     | aug18 |
| H-05           | Grupo 9    | ex SP-YVF        | <b>70-4005/0035</b> | aug18 |
| ...            | PZL-Mielec | SP-YVG           | <b>70-4016/0039</b> | o/o   |
| ...            | PZL-Mielec | SP-YVH           | <b>70-4017/0040</b> | o/o   |
| ...            | PZL-Mielec | SP-YVB           | <b>70-4020/0041</b> | o/o   |

Our crystal ball was working fine, the serials of H-03/04 could be confirmed as well as the construction numbers of all. We lack most tie-ups and as you can see, the temporary registrations are not applied in serial order. So be very aware with any assumptions! The sequential numbers are likely the Polish line numbers. As you can see, three more are on order

and expected soon. It is unknown if the option for another two has been taken up.

Servicio de Aviación de la Armada de Chile (NY)

#### O-2A

|     |            |        |                  |       |
|-----|------------|--------|------------------|-------|
| 335 | to Uruguay | as 761 | <b>337M-0402</b> | aug18 |
| 336 | to Uruguay | as 762 | <b>337M-0425</b> | aug18 |
| 338 | to Uruguay | as 763 | <b>337M-0435</b> | aug18 |

### Ecuador

Fuerza Aérea Ecuatoriana (AF)

After being withdrawn from use, the air force sold four T-34C to the Uruguayan Navy.

### Uruguay

Aviación Naval Uruguayaya (NY)

Apart from the three O-2 donated by Chile, refer below, the navy is also getting four T-34C from Ecuador, not two as we reported in Scramble 470 - Page 86. Also, two AB412s were acquired in Italy.

#### O-2A

|     |     |                 |                  |       |
|-----|-----|-----------------|------------------|-------|
| 761 | EAE | f/n, ex CHL 335 | <b>337M-0402</b> | aug18 |
| 762 | EAE | ex CHL 336      | <b>337M-0425</b> | aug18 |
| 763 | EAE | f/n, ex CHL 338 | <b>337M-0435</b> | aug18 |

The three Skymasters granted by Chile were delivered 17 August 2018.

### Venezuela

Ejército Nacional Bolivariano (AR)

#### Bell 412EP

EB-09598/BH 711 BH reregistered, ex ? aug18  
In the new colour scheme, no known tie-up to an old serial.

## North America

Joint US Forces (JF)

On 13 August 2018, President Donald Trump signed the fiscal year 2019 National Defense Authorization Act into law, budgeting USD 39.5 billion for the purchase of 413 new aircraft. The largest appropriation for a single aircraft type is USD 7.6 billion to procure 77 Lockheed Martin F-35 Lightning II stealth fighters. These 77 are divided:

|   |
|---|
| 48x F-35A for the US Air Force (USD 4.2 billion)    |
| 20x F-35B for the US Marine Corps (USD 2,3 billion) |
| 9x F-35C for the US Navy (USD 1,1 billion)          |

Overall, the amount appropriated for new aircraft fell 10.3% compared to the last fiscal year – a reflection of a wind-

fall that US Congress gave the Pentagon in the fiscal year 2018 budget to buy extra F-35 and F/A-18 Super Hornets and KC-46A tanker aircraft. However, as earlier reported by Scramble Facebook News, defence funding in total rose 2.4% to USD 717 billion. The funding act also gives Naval Air Systems Command multi-year contract authority for the F/A-18E/F Super Hornet, EA-18G Growler and E-2D Advanced Hawkeye aircraft. Multi-year contract authority is a special provision granted by US Congress that allows civil departments of the US government or the armed services the right to negotiate bulk discounts with vendors based on a guarantee of several years of orders. The US Navy is set to order 119 warplanes, including 24 F/A-18 Super Hornets, ten P-8A Poseidons, and eight CH-53K King Stallions. The USAF was granted USD 2.4 billion to procure fifteen KC-46 aerial refueling tankers. Boeing is scheduled to deliver its first of the new tankers to the service this October, more than sixteen years after the aircraft was proposed as a replacement for the 1950s-era Boeing KC-135 Stratotanker. The USAF also was authorised to spend USD 300 million to procure aircraft and associated long lead material for its Light Attack and Armed Reconnaissance programme. After more than a year of flight demonstrations, the service formally moved the light attack aircraft experiment into the acquisitions phase when it announced on 8 August its intention to award a production contract to Sierra Nevada Corporation or Textron Aviation in the fourth quarter of fiscal year 2019. The defence funding act also authorises USD 144.2 million for the A-10C wing replacement programme, some USD 65 million more than the Trump administration's request.

On 24 July 2018, Gulfstream Aerospace Corp. announced that they received an USD 594.4 million contract from the US Department of Defense to provide contractor logistics support services (CLS) for the five US military C-20 and C-37 users (US Air Force, Army, Navy, Marine Corps, Army and Coast Guard). With this contract, Gulfstream will provide CLS around the world for a seven-year period. A search through our extensive Scramble Air Order of Battle revealed that the following units are operating the C-20 and/or C-37 in US service. Anyone corrections/additions?

#### US Air Force

|                       |                             |
|-----------------------|-----------------------------|
| Hickham AFB (HI)      | 65th AS C-37A               |
| Andrews AFB           | 99th AS C-20B, C-37A, C-37B |
| MacDill AFB           | 310th AS C-37A              |
| Ramstein AB (Germany) | 76th AS C-37A               |
| Chievres AB (Belgium) | 424th ABS* C-37A            |



Currently there are thirteen Tyndall F-22s on deployment in Europe of which 05-4088 is one of the lucky numbers. They are conducting multiple training flights to different bases around Europe, amongst others in Norway, Romania, Poland and Spain. (Albacete, 16 August 2018, José Damián González Martínez)

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At Grottaglie/Taranto the Gruppo Supporto Aerei Imbarcati/GRUPAER is based using (T)AV-8s like this MM55032/1-01 (31 July 2018, Jeroen Jonkers)

US Army

|                              |            |
|------------------------------|------------|
| Vicksburg-Tallulah/Rgnl (LA) | C-20A      |
| Mississippi Valley Div.      |            |
| Andrews AFB (MD)             | USAr PAT** |
| Hickam AFB (HI)              | C-37A/B    |
|                              | C-20F**    |

US Navy and US Marine Corps

|                       |                     |              |
|-----------------------|---------------------|--------------|
| Andrews AFB (MD)      | VR-1                | C-20D, C-37B |
| Kaneohe Bay MCAF (HI) | VR-51               | C-20G        |
| Kaneohe Bay MCAF (HI) | CFLSW ETD****       | C-37A        |
| NAS Point Mugu (CA)   | VX-30               | NC-37B       |
| NS Norfolk (VA)       | CINCLANT FLT*****   | C-37B        |
| Sigonella (Italy)     | CFLSW ETD Sigonella | C-20G        |

US Coast Guard

|                                 |       |
|---------------------------------|-------|
| Washington/National-Reagan (DC) | C-37B |
|---------------------------------|-------|

\* The 424th Air Base Squadron was activated after the deactivation of the 309th AS. The 424th does not own any aircraft itself, but borrows a C-37A in support of SACEUR from the 76th AS when needed.

\*\* PAT = Priority Air Transport

\*\*\* This C-20F was retired to 309th AMARG on 26 July 2018.

It is not known if a successor aircraft is assigned.

\*\*\*\* Commander Fleet Logistic Support Wing, Executive Transport Department

\*\*\*\*\* Operated by VR-1

NASA is not mentioned in the contract awarded to Gulfstream, but the Space Administration operates a C-20A with the Armstrong Flight Research Center from Edwards AFB (CA).

United States Air Force (AF)

With the oldest Sikorsky USAF HH-60Gs being from fiscal year 1981 and 1982, the first delivered Pave Hawks are now rapidly approaching four decades of operations. Recently, the US Government Accountability Office (GAO) found out that the airframe condition of the USAF's aging HH-60G Pave Hawk fleet has declined and maintenance challenges have increased. This, partly because of the extensions beyond the designed service life of the helicopters. The biggest fact is that the HH-60G has been continuously used, under harsh conditions, in the War against terror over the past 17 years. It was stated that some 68 percent of the 96-strong Pave Hawk fleet were mission-capable as of fiscal year 2017. This is below the USAF's desired mission-capable rate of 75 percent. Evalu-

ating the past years, it has been notified that the Pave Hawks undergoing depot-level maintenance spent an average of 332 days undergoing maintenance in fiscal year 2017, compared with 233 days in fiscal year 2007. In ten years time that is more than a 34-percent increase. At this moment, available HH-60Gs across the fleet average about 7,100 flight hour. That is some 18 percent more than their initial expected USAF service life of 6,000 hours. According to USAF officials, the schedule for fielding the new HH-60W Combat Rescue Helicopters (CRH), generally prioritizes the replacement of helicopters with the highest number of flight hours. For now, the active USAF component is scheduled to begin receiving its new helicopters in fiscal year 2020, six years before the reserve component. In May 2018, the USAF's active component HH-60Gs averaged about 2,000 more flight hours per helicopter than the reserve component. Under the fielding schedule, the Air National Guard (ANG) squadrons are to receive the new HH-60W in 2027, at the end of the fielding period. In the meantime, to augment the gap within the aging HH-60G fleet, the ANG is scheduled to receive refurbished US Army Black Hawks beginning in 2019. These helicopters will have 3,000 or fewer flight hours and will be upgraded to USAF HH-60G standards. Due to the fielding schedule for the new HH-60Ws, the USAF may face a challenge in supporting formal training for reserve and ANG units during the fiscal year 2025 through 2028. The training squadrons at Kirtland AFB (NM) and Nellis AFB (NV) conduct the formal HH-60G training for all USAF personnel. By 2025, these training squadrons are scheduled to be completely transitioned to the new HH-60W. Because of the foreseen challenges, it is expected that some of the HH-60Gs, with low airframe hours will stay in service.

A current overview of the USAF HH-60G Pave Hawk Rescue Squadrons:

- 33rd RS/18th Wing, Kadena AB (Japan)
- 41st RS/347th Rescue Group, Moody AFB (GA)
- 55th RS/563rd Rescue Group, Davis Monthan AFB (AZ)
- 56th RS/31st Fighter Wing, Aviano AB (Italy)
- 66th RS/563rd Rescue Group, Nellis AFB (NV)
- 101st RS/106th Rescue Wing, Francis S. Gabreski ANGB, Westhampton Beach (NY)
- 129th RS/129th Rescue Wing, Moffett Federal Airfield, Mountain View (CA)
- 210th RS/176th Wing, Joint Base Elmendorf-Richardson (AK)

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301st RS/920th Rescue Wing Patrick AFB (FL)  
 305th RS/943rd Rescue Group, Davis-Monthan AFB (AZ)  
 512th RS/58th Special Operations Wing, Kirtland AFB, Albuquerque (NM)

The following two USAF Test Wings and their assigned Flight Test Squadrons have HH-60G Pave Hawks on loan:

413th FLTS/ 96th TW, Duke Field, Eglin Air Force Base (FL)  
 418th FLTS/ 412th TW, Edwards AFB (CA)

The 412th Test Wing/412th Operation Group at Edwards AFB (CA) is exploring ways to augment its chase plane fleet and one option is using Alpha Jets. Currently, the F-16 Fighting Falcons of the Test Wing are the primary test support or so-called chase aircraft. The pilots of a chase plane fly alongside a test aircraft to provide safety support. They give visual feedback to the pilot of the test aircraft but they also document the test flight with pictures and videos taken by the backseater. But as Christopher Klug, 412th OG technical director, said "The demand for test support, mostly safety chase and flying as a target, exceeds F-16 capacity. While the Alpha Jet isn't as capable as the F-16, it can service the part of the test support mission that doesn't require the higher-end capabilities of the F-16." Testing new systems on almost every aircraft type in the Air Force inventory, with several sorties each day, can be a grind and the demand for chase aircraft is higher than ever. As the F-16 is expensive to fly, the Alpha Jet could be a cheaper solution too. The 412th OG currently has two Alpha Jets contracted through Modern Technology Solutions and Gauntlet Aerospace to support certain test sorties as an experiment to see what they can offer. Alpha Jets are well-suited to handle shorter-length test support missions executed at around 30,000 feet and less than Mach 0.8. So far, Alpha Jets have supported test missions with F-16s, F-15s, F-22s, B-1s and F-35s. Klug said, "the F-16 is a much more versatile photo platform than the Alpha Jet, but there just aren't enough D-models to go around." Besides the 412th OG, the USAF Test Pilot School (TPS) at Edwards is also requesting flights with F-16Ds of the 412th TW. The TPS has a high priority when it comes to getting D-models from the TW, since they are required to have instructors for most of their flights. So, having Alpha Jets for specific chase mission gives the TW and OG greater access to a two-seat photo chase platform. In the near future, higher command will decide if Alpha Jets can be used as permanent fixtures to support future tests. Currently Alpha Jets N572AJ and N512XA are present at Edwards. The 416th Flight Test Squadron (FLTS) at Edwards is operating the Edwards F-16s. They have some 28 Fighting Falcons

on strength of which circa 50% is the dual seat model.

On 4 August 2018, the 176th Wing, 249th Airlift Squadron changed their unit affiliation to the 144th Airlift Squadron during a ceremony. Both squadrons swapped patches at Joint Base Elmendorf-Richardson (AK). The Alaska Air National Guard's 249th AS flies the C-17A Globemaster III with the active duty USAF 517th AS in an active-association total-force integration where the ANG owns the aircraft, and the USAF provides crews and support Airmen to round out the unit. The 144th AS has been a part of the Alaska ANG in some form since its founding in 1952 and divested the last of its eight C-130H Hercules in March 2017. As the Hercules' left, the fate of the the founding unit of the AK ANG was unknown, with options of deactivation, inactivation or getting another mission? The ANG bureau decided to accept the change request in which 249th would be deactivated - as it was the youngest unit in the AK ANG - with the 144th swapping to C-17A.

The USAF's 75th Fighter Squadron is being a key asset for battling insurgency in Afghanistan at this moment. Normally based with A-10C Thunderbolt IIs at Moody AFB (FL), The 75th Fighter Squadron, named the Tiger Sharks, are now the 75th Expeditionary Fighter Squadron under command of the 451st Air Expeditionary Group and deployed to Kandahar Airfield in the South of Afghanistan. Scramble has learned that at this very moment some fierce fighting is going on in and around the city of Ghazni. The 75th EFS has seen multiple crucial missions during the past few days in order to restore some areas to the hands of the local Afghan government. The fall of Ghazni, a city of 270,000 people, would mark an important victory for the insurgents. It would also cut off a key highway linking Kabul to the southern provinces, for instance, the Taliban's traditional heartland of Helmand and Kandahar. The following dozen 23rd Wing FT coded (A mix of 74th FS and 75th FS) A-10Cs are currently deployed to Kandahar:

78-0597 as 23WG flagship, 78-0614, 78-0630, 78-0639, 78-0642, 79-0193, 79-0216, 80-0166, 80-0175, 80-0194, 81-0995 and 82-0660

Two memorable milestones regarding the Lockheed (nowadays Lockheed Martin) C-5A/B Galaxy/ C-5M Super Galaxy have taken place during the past month and a half. The first milestone was the fact that the C-5 became fifty. The first flight of a C-5 Galaxy took place on 30 June 1968. Lockheed Martin Aeronautics Company celebrated the 50th anniversary of the C-5 Galaxy strategic transport aircraft on 26



T-1A 92-0348/AP is part of the 451st FTS based at NAS Pensacola (FL). They are not seen very often as the 451st FTS is the only T-1A squadron based in Florida. Also based there is the 455th FTS with T-6As. (Oshkosh (WI), 23 July 2018, Ad Jan Altevogt)

June at the company's facility in Marietta (GA). The second milestone happened when the 52nd and final delivery to the USAF, on 1 August 2018, of a C-5M with serial number 87-0043, after having finished upgrades with Lockheed Martin in Marietta. The final aircraft was delivered under the C-5 Reliability Enhancement and Re-engineing Program (RERP). The upgrades included engine replacements, landing gear and structural modifications. RERP's core improvement is the addition of modern F138-GE-100 jet engines, derived from General Electric's CF6-80C2s that power many commercial airliners.

It is expected that the USAF will keep the C-5M airlifters flying until the 2040s. Today, all USAF's 52 C-5M Super Galaxies are accommodated with the Air Mobility Command (AMC) and Air Force Reserve Command (AFRC) units. An overview of all current Super Galaxy units:

#### Air Mobility Command

Travis AFB (CA):

22nd Airlift Squadron/ 60th Air Mobility Wing (With AFRC associate unit 312th Airlift Squadron/ 349th Air Mobility Wing)

Dover AFB (DE):

9th Airlift Squadron/ 436th Airlift Wing (With AFRC associate unit 709th Airlift Squadron/ 512th Airlift Wing)

Note: All AMC C-5Ms carry de AFRC associate Wing numbers on the nose as well

#### Air Force Reserve Command

Joint Base San Antonio-Lackland (TX):

68th Airlift Squadron/ 433rd Airlift Wing

356th Airlift Squadron/ 433rd Airlift Wing (Training unit)

733rd Training Squadron/ 433rd Airlift Wing (Training unit, no aircraft assigned)

Westover Air Reserve Base (MA):

337th Airlift Squadron/ 439th Airlift Wing

US DoD wants to create uniformity in their airframes inventory. On 31 July 2018, the US Department of Defense (DoD) released a Request for Information (RFI), stating that they are looking for innovative industry solutions for a programme to accomplish the missions performed by the E-4B, E-6B, and C-32A in a more effective and efficient fashion. The new programme is shortly abbreviated as NEAT. NEAT stands for the recapitalization/ replacement of the E-4B, also known as the National Airborne Operations Center (NAOC), the C-32A, also known as the Executive Airlift, both the E-4B and the E-6B for the Airborne Command Post (ABNCP) tasks, and lastly the E-6B, also known as the Take Charge and Move Out (TACAMO). Strikingly is the fact that the NEAT interested parties are requested to respond to this DoD RFI with a white paper no later than 30 August 2018. It is possible that at this stage the DoD is in some kind of hurry because of the requested funds that will become available in the forthcoming years. Although this is only a RFI for the DoD to understand the innovative industry solutions at this moment, Scramble assesses that eventually some 20-25 aircraft could be involved as the NEAT programme will progress. At this moment the current inventory contains:

E-4B Airborne strategic command and control post: 4 (Operated by USAF)

E-6B Airborne command and control: 16 (Administrative operated by US Navy. Jointly operated)

C-32A VIP transport/ Military passenger transportation: 7 (Operated by USAF)

C-32B Special Operations/ Military passenger transportation: 4 or 5 (Operated by USAF)

Note: Although the C-32B is not for executive airlift we have included this version as well.

During the recent period, a lot has been stated about a new

proposed Joint Surveillance Target Attack Radar System (JSTARS) airborne command and surveillance aircraft for the USAF. Already back in December 2016, the USAF launched a request for proposal for the engineering, manufacturing and development of a fleet of seventeen new aircraft with an estimated price tag of at least USD 6.9 billion as a replacement for the E-8C JSTARS, currently in use with the USAF. But... it seems that there will definitely not be a successor, once the E-8C will be retired. But... the USAF recently managed to get some funds from the 2019 defense authorization bill. The USAF will now be able to cancel the future JSTARS recapitalization programme and it is getting additional funds for its alternative effort for the so called Advanced Battle Management System (ABMS). It was stated at the end of July 2018, that the defense authorization bill would accelerate the ABMS by adding USD 120 million for six General Atomics MQ-9 Reapers, which could be used to help to stimulate the ABMS architecture's abilities. Scramble recently learned that during mid-July the USAF initiated its own depot maintenance for the E-8C JSTARS. This in order to deliver more aircraft faster, leading to increased readiness for operations around the world. Officials with the JSTARS programme office at Robins AFB (GA) stated that they want to increase the number of aircraft available for operations and training as the service transitions to the ABMS, a capability that will fuse global air and space intelligence, surveillance, and reconnaissance (ISR) information. Meanwhile there is some debate about transferring some of the JSTARS aircraft to the 309th Aerospace Maintenance And Regeneration Group (AMARG) storage site at Davis-Monthan AFB (AZ). Given the age of the JSTARS airframes and the above mentioned facts it is expected that some of them will be used for spare parts reclamation. The most logical and feasible option would be the 309th AMARG. That location already sees two E-8Cs (one JS-coded bird that is stored since early 2015 and that was owned by Northrop Grumman, and the remains of a written-off GA-coded aircraft). The USAF intends to fly the JSTARS into the mid-to-late 2020s while the follow-on ABMS is developed. ABMS will integrate battlefield surveillance information from a variety of sensors to provide commanders better situational awareness in combat. The USAF has stressed that ABMS is needed to provide critical capabilities to survive against adversaries in a contested environment. The USAF has currently sixteen E-8C JSTARS and one TE-8A JSTARS trainer aircraft in operational service with the 128th Airborne Command and Control Squadron and 330th Combat Training Squadron, both part of the Georgia Air National Guard's 116th Air Control Wing at Robins AFB (GA).

One of four US Air Force E-11A Battlefield Area Communication Node (BACN) aircraft visited Belfast International Airport (Northern Ireland) on 29 July 2018. The E-11A, with the external modifications, referred as a teardrop on the top and a canoe on the bottom is nicknamed "Snowball. The heavily modified Bombardier BD-700 Global Express VIP jet, serialled 11-9001 arrived in Northern Ireland with callsign Velcro 04. The E-11 belongs to 430th Expeditionary Electronic Combat Squadron (430th ECCS) based at Kandahar Airfield (Afghanistan). The mystery squadron was activated on 13 March 2013 at this location after it was inactivated at Cannon AFB (NM) on 29 June 1993. It is said by the USAF (and of course we have to believe them), that the bump and lump on 11-9001 are not filled with special equipment, they are just left overs from flight tests in the past. 9001 acted as the aerodynamic test bed for the RAF ASTOR programme before it was bought by the USAF for the BACN programme. The Scramble database reveals that the other three aircraft are serialled 11-9355, 11-9358 and 12-9506. These three aircraft are not supporting these external modifications. The 430th is also equipped with three EQ-4B Global Hawks. The 430th

provides with the quartet E-11As a communications system (voice and data) to battlefield operators and commanders (in the air and on the ground).

**A-10C**

79-0162/IN 163rd FS IN ANG **A10-0426** jul18

**B-52D-60-BO**

55-0095 Titusville nose only **17211** aug18

**C-12C**

73-1217 USE Budapest **BD-13** aug18

**C-130H**

80-0324 Robins AFB **382-4906** aug18

**C-130H-3**

93-1562 158th AS GA ANG **382-5366** aug18

93-1563 158th AS GA ANG **382-5367** aug18

**C-17A**

04-4135 58th AS ex 437th AW **50143/F142/P135** aug18

**F-16C-25-CF**

83-1132 to TNI-AU as TS-1626 **5C-15** jul13

83-1136 to TNI-AU as TS-1627 **5C-19** jul13

83-1156 to TNI-AU as TS-1628 **5C-39**

84-1235 to TNI-AU as TS-1629 **5C-72** jul13

84-1262 to TNI-AU as TS-1630 **5C-99** jul13

84-1274 to TNI-AU as TS-1631 **5C-111** jul13

84-1282 to TNI-AU as TS-1632 **5C-119**

84-1283 to TNI-AU as TS-1633 **5C-120** jul13

84-1287 to TNI-AU as TS-1634 **5C-124** jul13

84-1309 to TNI-AU as TS-1636 **5C-146** jul13

84-1310 to TNI-AU as TS-1637 **5C-147**

84-1316 to TNI-AU as TS-1638 **5C-153**

84-1377 to TNI-AU as TS-1639 **5C-159**

85-1406 to TNI-AU as TS-1640 **5C-186**

85-1415 to TNI-AU as TS-1641 **5C-195** sep14

85-1417 to TNI-AU as TS-1642 **5C-197** may15

85-1447 to TNI-AU as TS-1643 **5C-227** sep14

**F-16CM-40-CF**

90-0763/WP 80th FS ex HL/421st FS **1C-371** aug18

**F-16D-25-CF**

85-1506 to TNI-AU as TS-1621 **5D-28** apr13

85-1508 to TNI-AU as TS-1622 **5D-30**

85-1516 to TNI-AU as TS-1624 **5D-38** aug13

**F-35A-2B**

12-5051/OT 422nd TES 'USAFWC' aug18 **AF-62** aug18

**F-35A-4**

15-5181/HL on order for 4th FS **AF-156** jul18

15-5182/LF on order for 63th FS **AF-157** aug18

15-5184/HL on order for 4th FS **AF-159** aug18

15-5210 to Norway as 5210 **AM-16** aug18

15-5211 for Australia as A35-003 **AU-3**

15-5212 for Australia as A35-004 **AU-4**

15-5213 for Australia as A35-005 **AU-5**

15-5215 for Australia as A35-007 **AU-7** jul18

15-5216 for Australia as A35-008 **AU-8** jul18

15-5217 for Australia as A35-009 **AU-9** aug18

16-5214 for Australia as A35-006 **AU-6**

16-5218 for Australia as A35-010 **AU-10** aug18

**F-4E**

71-0247/HO Grove **4237** aug18

**HC-130H(N)**

92-2104 39th RQS ex 211th RQS **382-5381** jul18

**KC-135R**

57-1454/ZZ 909th ARS ex 92nd ARW **17525/T0134** jun18

57-1474 22nd ARW ex 909th ARS **17545/T0154** jul18

61-0267 22nd ARW ex D/351st ARS **18174/T0489** aug18

**KC-135T**

59-1513 92nd ARW **18001/T0416** jul18

**QF-16A ADF**

80-0565/QF-036 Cecil Field **61-286/M22-1** aug18

**VZ-9V**

58-7055 WPAFB at USAF Museum ? may09

**XH-26**

50-1841 WPAFB at USAF Museum jul17

United States Army (AR)

On 19 July 2018, Boeing Co at Ridley Park (PA) was awarded a multi-year contract valued at \$181,253,232 to supply the United States Army with up to 156 CH-47F Block II Chinook helicopters. All of them will be converted CH-47F Block I helicopters which currently are on strength with the US Army. Even though not mentioned in the press release, it is expected that the Block I helicopters will be stripped for useful parts by Summit Aviation at Middletown-Summit Airport (DE) in support of this contract. All 156 new Block II Chinooks are due to be delivered by 31 December 2022.

**Units**

|                     |  |
|---------------------|--|
| 6-17th CAV          | PA ARNG, AASF Muir AAF, Fort Indiantown Gap (PA)                         |
| B(-)/2-104th AVN    | NY ARNG, AASF Greater Rochester IAP (NY)                                 |
| Det.1 B/3-126th AVN | CO ARNG, AASF Buckley AFB (CO)   |
| Det.1 B/2-135th AVN | NJ ARNG, NAS Lakehurst (NJ)  |
| A/1-150th AVN       | USARC, Butts AAF, Fort Carson (CO)                                       |
| F(-)/7-158th AVN    | WA ARNG, AASF Grey AAF, Fort Lewis (WA)                                  |
| C(-)/1-168th AVN    | MI ARNG, AASF Selfridge ANGB (MI)  |
| Det.1 B/3-238th AVN | BEST Aircraft Consolidation Facility at 248 Dunlop Blvd, Huntsville (AL) |
| BEST                | Cairns AAF, Fort Rucker (AL)   |
| USAAAD Flatiron     |  |

**CH-47F**

09-08071 Det.1 B/2-135th AVN, ex nb **M8071** aug18

10-08811 B(-)/2-104th AVN, ex Det.1 B/3-238th **M8811** aug18

12-08865 B(-)/2-104th AVN, ex Det.1 B/3-126th **M8865** aug18

In January 2014, the United States Army Cargo Helicopters Project Manager's Office published a paper in honour of the 50th anniversary of the CH-47 Chinook. This paper (Chinook – The Legacy Of Tandem Rotor Helicopters) included a detailed overview of all individual Chinooks which served with the US Army. Also, the known tail numbers of CH-47F Chinooks on order for FY13 through to FY17 were listed. None of these were built at that point in time. We recently received photo proof of CH-47F 15-08468, which was listed in this publication as 16-08468. For now, we believe that this is a painter's error. But it is something to keep track off, since possibly budget re-allocations resulted in changes in the planned serial allocations.

**EH-60A**

84-24026 to N854PE ex std BEST **70-983** aug18

85-24467 to N854UB ex std BEST **70-1009** aug18

85-24478 to N854QB ex std BEST **70-1057** aug18

86-24563 to N854RB ex std BEST **70-1091** aug18

86-24565 to N854SE ex std BEST **70-1097** aug18

87-24665 to N854WB ex std BEST **70-1228** aug18

**HH-60L**

04-27020 std BEST ex C(-)/1-168th AVN **70-2865** aug18

06-27110 std BEST ex nb **70-3007** aug18

**MH-60L**

91-26360 pres Fort Campbell (KY) **70-1657** aug18

This helicopter was taken on charge by the US Army as UH-60L, and soon after modified to MH-60L standard. It was used by the famous 160th SOAR "Nightstalkers". During Operation Gothic Serpent, it was damaged by ground fire over Moghadishu (Somalia) on 3 October 1993. At that point in time it was assigned to D/1-160th SOAR, but the crew of this helicopter was luckier than two if its colleagues which were lost over this war stricken city on this day. "Thrasher" as this helicopter was nick-named managed to limb back to the US held airfield near the Somali capital and was transported back to the United States. It was repaired and returned into service with 1-160th SOAR. After being retired it was allocated to the Don F Pratt Museum at Fort Campbell (KY) in 2016. It was "de-



CH-47F 15-08468 is assigned to Heavy Helicopter Company Bravo of the 1st General Support Aviation Battalion, 52nd Aviation Regiment. 1-52nd AVN is based at Ladd AAF near Fairbanks, Alaska. (Ladd AAF (AK), 1 July 2018, Andy Marchmont)

modified” to resemble a standard UH-60L again and placed on display at this museum by August 2018.

**UH-60L**

|          |                  |           |                |       |
|----------|------------------|-----------|----------------|-------|
| 87-24629 | A/1-150th AVN    | ex UH-60A | <b>70-1159</b> | jan18 |
| 89-26213 | USAAAD Flatiron, | ex nb     | <b>70-1464</b> | aug18 |

**HH-60M**

|          |               |                     |  |       |
|----------|---------------|---------------------|--|-------|
| ..-20233 | F/7-158th AVN | f/n (FY09?)         |  | jul18 |
| ..-20938 | nb            | f/n (FY16 or FY17?) |  | aug18 |
| ..-20941 | nb            | f/n (FY16 or FY17?) |  | aug18 |

**AH-64D**

|          |            |                |               |       |
|----------|------------|----------------|---------------|-------|
| 02-05302 | 6-17th CAV | unit confirmed | <b>PVD302</b> | jul18 |
| 02-05305 | 6-17th CAV | unit confirmed | <b>PVD305</b> | jul18 |
| 02-05328 | 6-17th CAV | unit confirmed | <b>PVD328</b> | jul18 |
| 02-05340 | 6-17th CAV | unit confirmed | <b>PVD540</b> | jul18 |
| 02-05344 | 6-17th CAV | unit confirmed | <b>PVD344</b> | jul18 |
| 03-05386 | 6-17th CAV | ex nb          | <b>PVD386</b> | jul18 |
| 04-05422 | 6-17th CAV | unit confirmed | <b>PVD422</b> | jul18 |
| 07-05514 | 6-17th CAV | ex nb          | <b>PVD514</b> | jul18 |
| 07-05524 | 6-17th CAV | unit confirmed | <b>PVD524</b> | jul18 |
| 07-07036 | 6-17th CAV | ex 1-82nd AVN  | <b>DUS036</b> | jul18 |
| 07-07037 | 6-17th CAV | ex 1-82nd AVN  | <b>DUS037</b> | jul18 |
| 07-07038 | 6-17th CAV | ex 1-82nd AVN  | <b>DUS038</b> | jul18 |
| 07-07041 | 6-17th CAV | ex 1-82nd AVN  | <b>DUS041</b> | jul18 |
| 07-07044 | 6-17th CAV | ex 1-3rd AVN   | <b>DUS044</b> | jul18 |
| 08-05540 | 6-17th CAV | unit confirmed | <b>PVD540</b> | jul18 |
| 08-05559 | 6-17th CAV | ex nb          | <b>PVD559</b> | jul18 |
| 09-05575 | 6-17th CAV | unit confirmed | <b>PVD575</b> | jul18 |
| 09-05582 | 6-17th CAV | unit confirmed | <b>PVD582</b> | jul18 |
| 09-05584 | 6-17th CAV | unit confirmed | <b>PVD584</b> | jul18 |
| 09-05595 | 6-17th CAV | unit confirmed | <b>PVD595</b> | jul18 |
| 09-07056 | 6-17th CAV | ex nb          | <b>DUS056</b> | jul18 |
| 09-07064 | 6-17th CAV | unit confirmed | <b>DUS064</b> | jul18 |

The 6-17th CAV Apaches mentioned here as “unit confirmed” were known to be assigned to 4th CAB. Until now it was not known which unit under 4th CAB; 4-4th AVN or 6-17th AVN. United States Navy (NY)

During early August 2018, MV-22B Ospreys of the Naval Air Warfare Center - Aircraft Division (NAWC-AD) were used for tests from the flight deck of the USS George H.W. Bush (CVN-77). As known, the US Navy ordered 39 CMV-22Bs for the Carrier On-board Delivery (COD) mission. During the tests, MV-22B 166491/HX-70 and 166494/HX-73 of Air Test and Evaluation Squadron (HX) 21 Blackjack (“HX)-xx”) based at NAS Patuxent River (MD) successfully tested rolling landing and take-offs in excess of 57,000 pounds. This key capability allows the Osprey to haul more weight than the C-2A Greyhound, which is limited to landing at 49,000 pounds. The Navy COD crews piloting CMV-22 aircraft will land and take-off

with forward airspeed, which allows flight at a much higher weight. It is expected that the COD VOD variant of the Osprey achieves Initial Operational Capability (IOC) by 2021. The CMV variant has an extended range, a beyond line-of-sight HF radio, improved fuel dump capability, a public address system for passengers, and an improved lighting system for cargo loading.

**United States Navy unit news**

The US Navy Secretary Richard Spencer reported that in 2017 one-third of his F/A-18E/F fleet was mission capable and ready to deploy, the remaining Super Hornets were in maintenance or could only be used for training. During 2018, the situation of the 546 available Super Hornets has positively changed into one-of-two ready to deploy and mission capable aircraft. Early August it was reported that there are 241 fully mission capable Rhino’s, and that number is now at 270, according to Spencer. Defense News reported that in May 2018, the Defense Logistics Agency awarded a five-year, USD 427 million contract for Super Hornet parts and spares to begin working through a backlog of down jets. Boeing also recently inducted of the first Super Hornet into a Service Life Extension Program (SLEP) that will eventually see Boeing working on fourty to fifty F/A-18s per year in its facilities in St. Louis (MO), and San Antonio (TX). That programme will fix Hornets in the worst condition. As reported before in Scramble Facebook News, the US Navy plans to acquire in the 2019 defense budget 110 new Super Hornets. This gives us a nice opportunity for a US Navy Super Hornet Air Order of Battle review (\* Fleet Replenishment Squadron):

NAS Fallon (NV)

|      |  |               |
|------|--|---------------|
| NAWC |  | F/A-18E/F 1xx |
|------|--|---------------|

NAS Lemoore (CA)

|          |                   |                  |
|----------|-------------------|------------------|
| VFA-14   | Tophatters        | F/A-18E NG-2xx   |
| VFA-22   | Fighting Redcocks | F/A-18F NA-1xx   |
| VFA-25   | Fist of the Fleet | F/A-18E AG-4xx   |
| VFA-41   | Black Aces        | F/A-18F NG-1xx   |
| VFA-86   | Sidewinders       | F/A-18E AG-3xx   |
| VFA-94   | Mighty Shrikes    | F/A-18F NA-4xx   |
| VFA-97   | Warhawks          | F/A-18E NG-3xx   |
| VFA-113  | Stingers          | F/A-18E NA-3xx   |
| VFA-122* | Flying Eagles     | F/A-18E/F NJ-xxx |
| VFA-136  | Knighthawks       | F/A-18E AB-3xx   |
| VFA-137  | Kestrels          | F/A-18E NE-2xx   |
| VFA-146  | Blue Diamonds     | F/A-18E NH-3xx   |
| VFA-151  | Vigilantes        | F/A-18E NG-4xx   |

|  |                     |                  |
|--|---------------------|------------------|
| VFA-154  | Black Knights       | F/A-18F NH-1xx   |
| VFA-192  | Golden Dragons      | F/A-18E NE-3xx   |
| <u>NAS Oceana (VA)</u>   |                     |                  |
| VFA-11   | Red Rippers         | F/A-18F AB-1xx   |
| VFA-31   | Tomcatters          | F/A-18E AJ-1xx   |
| VFA-32   | Swordsmen           | F/A-18F AC-1xx   |
| VFA-81   | Sunliners           | F/A-18E AB-4xx   |
| VFA-83   | Rampagers           | F/A-18E AC-2xx   |
| VFA-87   | Golden Warriors     | F/A-18E AJ-3xx   |
| VFA-103  | Jolly Rogers        | F/A-18F AG-2xx   |
| VFA-105  | Gunslingers         | F/A-18E AC-4xx   |
| VFA-106*   | Gladiators          | F/A-18E/F AD-xxx |
| VFA-131  | Wildcats            | F/A-18E AC-3xx   |
| VFA-143  | Dogs                | F/A-18E AG-1xx   |
| VFA-211  | Checkmates          | F/A-18F AB-2xx   |
| VFA-213  | Black Lions         | F/A-18F AJ-2xx   |
| Note: VFA-37 Bulls ('AJ-4xx') just started to convert from F/A-18C to F/A-18E. |                     |                  |
| <u>NAS Patuxent River (MD)</u>   |                     |                  |
| NSATS (ITT)  |                     | F/A-18E/F        |
| USNTPS   |                     | F/A-18E/F        |
| VX-23  | Salty Dogs / Strike | F/A-18E/F SD-xxx |
| <u>NAWS China Lake (CA)</u>  |                     |                  |
| VX-31  | Dust Devils         | F/A-18E/F DD-xxx |
| VX-9   | Vampires            | F/A-18E/F XE-xxx |
| <u>MCAS Iwakuni (Japan)</u>  |                     |                  |
| VFA-27   | Royal Maces         | F/A-18E NF-2xx   |
| VFA-102  | Diamondbacks        | F/A-18F NF-1xx   |
| VFA-115  | Eagles              | F/A-18E NF-3xx   |
| VFA-195  | Dambusters          | F/A-18E NF-4xx   |

The US Navy will establish Fleet Logistics Multi-Mission Squadron (VRM) 30 at NAS North Island (CA) as well as the Naval Aviation Training Support Group (NATSG) at MCAS New River (NC) on 1 October 2018. The new carrier-onboard-delivery (COD) squadron will be the first of three to operate the CMV-22B Osprey tiltrotor transport aircraft. VRM-30 Providers ('RW-xx'), the successor of the current Fleet Logistics Support Squadron (VRC) 30 Providers operating the C-2A Greyhound, will deploy COD Ospreys with each carrier air wing from the West Coast and Japan. Besides VRM-30, a second fleet squadron equipped with the CVM-22B will be established (date not set yet). VRM-40 *Rawhides* ('JK-xx') will be based at NAS Norfolk (VA) as a successor of VRC-40. VRM-40 will deploy COD Ospreys with each carrier air wing from the East Coast. Overall, NATSG will support the transition from C-2A to CMV-22B and will use MV-22B of the USMC

fleet replacement (FRS) squadron, Marine Medium Tiltrotor Training Squadron (VMMT) 204. Currently, a detachment of Commander, Airborne Command & Control and Logistics Wing, the type wing for the two VRC squadrons as well as the E-2D squadrons, supervises the US Navy's V-22 training at New River. This detachment will eventually become a new US Navy type wing at North Island as the reporting command for the two planned VRM fleet squadrons. Eventually, a third squadron CVM-22B squadron will be established, designated VRM-50 (date not set yet). This unit will take the role as the CVM-22B FRS when the training shifts from New River. VRC-50 (the coded 'RG-xx') was disestablished as "Foo Dogs" on 7 October 1994 and last flew the US-3A Viking in the COD role from Andersen AFB (Guam). Most probably, VRM-50 will take-over the nick-name and the squadron tradition.

Commander, Naval Air Force U.S. Atlantic Fleet (ComNavAirLant)

On 13 August 2018, The Boeing Company, St. Louis (MO) is being awarded an USD 17 million delivery order against a previously issued basic ordering agreement of USD 12.1 million. The delivery order is for the retrofit documentation and kits to convert nine F/A-18E and two F/A-18F Super Hornets into a Blue Angel configuration. Work will be performed in St. Louis and is expected to be completed in December 2021. It is not clear when the Blue Angels exactly will start F/A-18E/F operations as the aforementioned work could continue during their first airshow season(s). The target date for transitioning was initially said as not until 2019, with the ease that it could be delayed. As known, the US Navy Flight Demonstration Squadron, based at NAS Pensacola (FL), will trade in their current fleet of F/A-18A, C, B, and D models. Since their beginning in 1946, the Blues started their demonstrations in June 1946 with the Grumman F6F-5 Hellcat. These were swapped for the Grumman F8F-1 Bearcat from August 1946 to 1949, the first jets arrived within the team in 1949. The Grumman F9F-2 Panther was flown until 1950, followed by the F9F-5 Panther from 1951 to 1955, the Grumman F9F-8 Cougar from 1955 to 1957, the Grumman F11 Tiger from 1957 to 1969, the McDonnell Douglas F-4J Phantom II from 1969 to 1974, the Douglas A-4F Skyhawk from 1974 to 1986 and the McDonnell Douglas (now Boeing) F/A-18A/B/C/D Hornet from 1986 up to today.

**Commander, Naval Air Force U.S. Pacific Fleet**  
(ComNavAirPac)

A Strike Fighter Squadron (VFA) 147 Argonauts ('NH-4xx') F-35C was recently seen in a hangar at NAS Lemoore (CA).



Although the Salty Dogs are probably called Salty because they regularly fly over the sea, they were only close to the sweet water of Lake Winnebago during the EAA Air Venture. (Oshkosh (WI), 27 July 2018, Ad Jan Altevogt)



No prizes for guessing in which state Osprey 168322 of VMM-268 Red Dragons is based. They participated in Pitch Black 2018 and also took with them this specially coloured bird during the deployment. (Mindil Beach, Darwin, 2 August 2018, Hans van Herk)

The Navy Lightning II was visible while the Vice Chief of Naval Operations received an update on the Navy's F-35C programme at the base and learned about Strike Fighter (VFA) readiness. VFA-147 is the first US Navy operational fleet squadron that is going to operate the F-35C. The started their transition from F/A-18E (up to then coded 'NH-2xx') to the F-35C early 2018. The code 'NH-4xx' was up to now used by the US Marine Corps squadron (VMFA-323 Death Rattlers) that was integrated in CVW-11.

#### Chief of Naval Air Training Command (CNATRA)

The US Navy is looking for a replacement of the aging 115 legacy Bell TH-57B/C Sea Rangers (a derivative of the Bell 206) training helicopter fleet. This is done by procuring a commercially of-the-shelf available helicopter, rather than developing a new military training helicopter. The competitors for this helicopter trainer replacement programme are announcing their proposals. Airbus offers the H135 as we reported on 18 May 2018. Bell proposes its newest version of the single engine Bell 407, the GXi, an airframe already in use with the US Navy in the shape of the in the MQ-8C Fire Scout. Leonardo is now offering the TH-119, a single-engine version of the light twin-engine AW109 Trekker. The TH-119 has a dual display avionics system with modern glass cockpit compatible with night version devices. It is still expected that MD Helicopters will compete with their succesful 500 or 900 series. The USN anticipates to purchase a fleet of 105 helicopters to replace the fleet of Sea Rangers. The Sea Rangers came into service back in 1968.

#### Carrier News

The USS Carl Vinson (CVN-70) will conduct a homeport change to Bremerton in advance of its Docking-Planned Incremental Availability (DPIA) programme at Puget Sound Naval Shipyard (WA). The USS Abraham Lincoln (CVN-72), currently based in NS Norfolk (VA) will rejoin the Pacific Fleet, making NB San Diego (CA) its new homeport. The USS John C. Stennis (CVN-74), currently homeported in Bremerton (WA), will change homeports to Norfolk in advance of its Reactor Complex Overhaul (RCOH) at Newport News Shipbuilding (VA).

#### United States Navy (NY)

- FRCE = Fleet Readiness Center East, Cherry Point (NC)
- FRCMA= Fleet Readiness Center Mid Atlantic, Oceana (VA)
- FRCSW= Fleet Readiness Center South West, North Island (CA)
- KNHK = Patuxent River (MD)
- KNQI = Kingsville (TX)

#### E-2D

|               |         |           |             |       |
|---------------|---------|-----------|-------------|-------|
| 168598/AG-602 | VAW-121 | ex NH-602 | <b>AA17</b> | apr18 |
| 168600/AG-604 | VAW-121 | ex NH-604 | <b>AA19</b> | jul18 |

#### F/A-18C

|               |         |                  |                  |       |
|---------------|---------|------------------|------------------|-------|
| 163487/AD-304 | VFA-106 | ex AD-334        | <b>721/C045</b>  | jun18 |
| 164264/AF-426 | VFA-204 | ex RP-81/FRCSW   | <b>1027/C243</b> | jul18 |
| 164663/AF-421 | VFA-204 | ex RA-16/FRCSW   | <b>1090/C284</b> | jul18 |
| 165183/AD-357 | VFA-106 | ex AG-312/VFA-83 | <b>1309/C408</b> | aug14 |

#### F/A-18E

|               |         |                   |             |       |
|---------------|---------|-------------------|-------------|-------|
| 169122/AC-312 | VFA-131 | ex NJ-203/VFA-122 | <b>E296</b> | jul18 |
| 169397/AG-111 | VFA-143 | f/n               | <b>E300</b> | jun18 |
| 169399/AD-114 | VFA-106 | del               | <b>E302</b> | aug18 |

#### F/A-18F

|               |         |                   |             |       |
|---------------|---------|-------------------|-------------|-------|
| 166621/AD-263 | VFA-106 | ex AG-201/VFA-103 | <b>F114</b> | aug18 |
| 166812/AC-132 | VFA-32  | ex AB-206/VFA-211 | <b>F185</b> | may18 |

#### EA-18G

|               |         |                   |             |       |
|---------------|---------|-------------------|-------------|-------|
| 166857/NJ-504 | VAQ-129 | ex XE-501/VX-9    | <b>G3</b>   | jun18 |
| 166930/NJ-543 | VAQ-129 | ex nmks           | <b>G15</b>  | jun18 |
| 168904/NA-505 | VAQ-139 | ex NJ-545/VAQ-129 | <b>G102</b> | aug18 |
| 169124/543    | VAQ-132 | ex NJ-517/VAQ-129 | <b>G115</b> | jul18 |
| 169137/NL-540 | VAQ-132 | ex NJ-525/VAQ-129 | <b>G128</b> | jul18 |
| 169142/NL-542 | VAQ-132 | ex NJ-511/VAQ-129 | <b>G133</b> | jul18 |

#### P-3C AIP+

|               |       |              |             |       |
|---------------|-------|--------------|-------------|-------|
| 159326/RC-326 | VP-46 | ex 326/VP-40 | <b>5616</b> | apr18 |
|---------------|-------|--------------|-------------|-------|

#### P-3C BMUP+

|               |       |                 |             |       |
|---------------|-------|-----------------|-------------|-------|
| 161587/587    | nmks  | ex RC-587/VP-46 | <b>5759</b> | aug18 |
| 161588/RC-588 | VP-46 | ex 588/VP-4     | <b>5760</b> | jun18 |

#### P-8A

|            |       |             |                   |       |
|------------|-------|-------------|-------------------|-------|
| 169343/343 | VP-30 | del 02aug18 | <b>63193/6812</b> | aug18 |
|------------|-------|-------------|-------------------|-------|

#### T-6B

|              |       |                |               |       |
|--------------|-------|----------------|---------------|-------|
| 166082/G-082 | TAW-4 | ex E-082/TAW-5 | <b>PN-73</b>  | jul18 |
| 166126/G-126 | TAW-4 | ex E-126/TAW-5 | <b>PN-117</b> | mar18 |
| 166249/G-249 | TAW-4 | ex E-249/TAW-5 | <b>PN-240</b> | mar18 |

#### United States Marine Corps (NY)

The Bell Helicopter AH-1Z and UH-1Y are nearing the end of production. As the USMC is planning to keep those helicopters in service for the next thirty years, they are now planning how they improve the readiness of the fielded fleet in combination with efficiently maintain and effectively upgrade these advanced versions of the good old Huey and Cobra. The Venom and Viper are slated for upgrades like realising more payload (on external stores), increase the fuel load, and improve the speed and range. Besides these, the helicopters must get more advanced anti-missile countermeasures and

technologies to help pilots see in degraded visual environments (DVE). Some have started to field while others like DVE systems, are not scheduled to enter the fleet until fiscal year 2024. Survivability enhancements include integration of the AN/AAQ-45 Distributed Aperture Infrared Countermeasures (DAIRCM) system. DAIRCM is a suite of interconnected sensors and countermeasures that detects, identifies and tracks incoming guided missile threats, then jams or destroys them before they impact the aircraft. In FY19, the Joint Air-to-Ground Missile (JAGM) should finalize operational test and be integrated onto the aircraft. The USMC is also interested in the AIM-9X Sidewinder air-to-air missile and improved laser-guided rockets, on the Venom and Viper. The USMC plans to buy a total 349 H-1s with production scheduled to last through 2022 and will fly both aircraft at least until 2040 when an attack/utility variant of Future Vertical Lift comes available. Currently, 158 UH-1Ys of the 160 programme of record, are fielded and the Y-model programme should finish in 2018. About half of the 189 Z-models (96 helicopters) that the USMC planned to purchase have been delivered.

United States Marine Corps unit news

### Marine Force Pacific (MARFORPAC)

Marine Heavy Helicopter Squadron (HMH) 362 Ugly Angels ('YL-xx') was a US Marine Corps squadron unit flying CH-53Ds from MCAS Kaneohe Bay (HI) until it was de-activated on 30 November 2012. As stated by the USMC back in 2015, the Ugly Angels would stand up again in FY18 at MCAS Miramar (CA). In that long-range planning HMH-362 was expected to be reactivated with the CH-53K King Stallion at the East Coast at MCAS New River (NC). But as that King Stallion programme was delayed, it was now decided to equip the squadron with the MV-22B and redesignate the unit into a Marine Medium Tiltrotor Squadron (VMM) and keep it assigned to the West Coast, initially at MCAS Miramar (CA), but now at Kaneohe Bay. On 17 August 2018 a ceremony was held at Kaneohe Bay for the activation of the squadron within the 3rd Marine Aircraft Wing. The squadron does not yet have all of its MV-22s and Marines, but they are on schedule to be fully equipped and manned by early 2020.

On 29 July 2018, the USMC launched its very last mission with the RQ-7B Shadow *Unmanned Aircraft System* (UAS). The RQ-7B belonged to Marine Unmanned Aerial Vehicle Squad-

ron (VMU) 3 *Phantoms* ('FZ-xx') that is based at Kaneohe Bay MCAF, MCB Hawaii, Marion E. Carl Field (HI). VMU-3 replaced the RQ-7B with the more advanced RQ-21A Shadowhawk. The last mission of the RQ-7B was in support of an amphibious landing demonstration as part of Rim of the Pacific (RIMPAC) and was launched from its homebase.

United States Marine Corps (NY)

FRCE = Fleet Readiness Center East, Cherry Point (NC)

FRCSW = Fleet Readiness Center South West, North Island (CA)

KNHK = Patuxent River (MD)

LMTAS = Lockheed Martin Tactical Aircraft Systems, Fort Worth (TX)

### EA-6B

162228/CY-04 VMAQ-2 ex MD-01/VMAQ-3 **P-114** may18

### KC-130T

162310/WB-309 VX-20 new code **382-4978** jul18

This Hercules was spotted wearing tailcode "WB" at Ogden, Utah. This code was last used by VX-20 C-130's a decade ago.

### AH-1W

165274/HF-61 HMLA-269 ex TV/HMLA-167 **26322** aug18

### F/A-18C

164889/NA-200 VMFA-312 ex FRCSE **1221/C350** aug18

### MH-60S

167821/HU-741 HSC-2 ex HU-700 **70-3049** jul18

167848/AG-617 HSC-5 ex HU-742/HSC-2 **70-32..** aug18

### MV-22B

166484/EM-04 VMM-264 ex GX-21/VMMT-204 **D0063** jun18

### UH-1Y

168042/HF-90 HMLA-269 ex CA-10/HMAL-467 **55134** aug18

United States Coast Guard (CG)

### MH-60T

6018 Mobile ex Clearwater **70-1700** may18

6023 San Diego ex Elizabeth City **70-1705** jun18

### MH-65D

6510 San Francisco ex Miami **6105** jun18

6545 San Francisco ex Miami **6198** jun18

6554 New Orleans ex Corpus Christi **6231** may18

6559 New Orleans ex Houston **6241** may18

Credits: Danny Bonny, Ian Carroll, Edwin de Greeuw, Joris Heeren, Thomas Hirt, Marcel de Jong, Andy Marden, Daniele Mattiuzzo, Jeff Rankin, Jos Stevens, Peter Weinert



F/A-18C 164270 is the VMFA-251 Thunderbolts CAG bird. VMFA-251 is part of Marine Aircraft Group 31 based at MCAS Beaufort (SC). It previously wore the same tailcolours when it was still current with the Flying Leathernecks. (Savannah (GA), 3 August 2018, Colin Clark)

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# Showreports



Without doubt, the RIAT is still one of the biggest military airshow events in Europe. A number of heritage flights were added to the show like this one with C-47 ZA947, Spitfire PS915 and Lancaster PA474. (Fairford, 15 July 2018, Jan-Pieter Libens)

## Poznan-Lawica (Poland)

Tiger Meet Airshow 19-20 May 2018

Also this year, the Nato Tiger Meet celebrated their presence to the local people with an airshow. With the NTM held at Poznan-Krzesiny this time the civilian airport Poznan-Lawica was chosen for the show. Civilian traffic continued in between the two show slots and the public area was at the northern side of the field. With the sunny weather this posed serious photographic challenges! Saturday show day started with two military helicopters and a limited amount of civilian aircraft only, as all Tiger Meet static aircraft still had to arrive. Each arrival was accompanied by a Polish aircraft that returned to Krzesiny without landing. Also, Tiger Meet aircraft performing over the field did so from/to Krzesiny.

Aircraft marked \$ were painted in Tiger meet decorations.

### Tiger Static 1:

|               |             |                     |    |
|---------------|-------------|---------------------|----|
| 1126/RF-26    | Saab J105Ö  | Düsentrainerstaffel | \$ |
| FA116         | F-16AM      | 31sq                | \$ |
| 9234          | JAS39C      | 211.tl              | \$ |
| J-882         | F-16BM      | 313sq               | \$ |
| 31+00         | EF2000      | TLG74               | \$ |
| 46+57         | Tornado ECR | TLG51               | \$ |
| 43            | JAS39D      | MH 59. Sz.D. REB    |    |
| MM7322/36-40  | EF2000      | 936° GEA            | \$ |
| 4052          | F-16C       | 6.elt               | \$ |
| C.16-73/14-31 | EF2000      | 142 Esc             | \$ |
| J-5011        | FA-18C      | F1St11              | \$ |

### Tiger Static 2:

|            |            |            |    |
|------------|------------|------------|----|
| 3366       | Mi-35      | 221.vrl    | \$ |
| (4084)/GBJ | SA342M     | 3 RHC      | \$ |
| MM81151    | AB212ICO   | 21° Gruppo | \$ |
| 105        | MiG-29A    | 1.elt      |    |
| XW224      | Puma HC2   | 230sq      | \$ |
| ZH847      | Merlin HM2 | 814NAS     |    |

### Static:

|                  |            |                      |
|------------------|------------|----------------------|
| OK-HUI04         | MS185      | French Air Force c/s |
| OK-UAA90         | Fokker DR1 | Luftwaffe c/s        |
| OM-TAV58         | Fokker DR1 | Luftwaffe c/s        |
| OK-HUP02/B4880/A | SE5A       | Royal Air Force c/s  |

### Flying:

|         |            |                     |   |
|---------|------------|---------------------|---|
| 1129/RI | Saab J105Ö | Düsentrainerstaffel |   |
| 3361    | Mi-35      | 221.vrl             | # |
| 9239    | JAS39C     | 211.tl              |   |

|                |                    |                          |  |
|----------------|--------------------|--------------------------|--|
| 39, 42         | Rafale M           | 11F                      |  |
| C.16-36/14-03  | EF2000             | 142 Esc                  |  |
| SP-KBA         | An-2               | -                        |  |
| NX32CS/A46-139 | CA13               | c/s Australian Air Force |  |
| OK-UTI/2514    | MiG-15UTI          | Czech Air Force c/s      |  |
| SP-YBC/1214    | TS-11              | Polish Air Force c/s     |  |
| TE184/9N-B     | Spitfire LF MkXVII | Royal Air Force          |  |
| F-AZZK/48      | Yak-3              | Soviet Air Force c/s     |  |

### Overshoot:

|      |          |          |    |
|------|----------|----------|----|
| 023  | F-16C    | 335 Mira | \$ |
| 707  | Su-22M-3 | nn       | \$ |
| 4078 | F-16D    | 6.elt    |    |

### Civil side :

|         |              |                |
|---------|--------------|----------------|
| SP-ENP  | B737-8AS(WL) | Enter Air      |
| SP-LIK  | EMB175-200LR | LOT            |
| OM-JEX  | B737-8AS(WL) | Travel Service |
| HA-LPL  | A320-232     | Wizz Air       |
| SN-08XP | Mi-2P        | Police         |

## Cannon AFB, NM (USA)

Air Commandos on the High Plains Air Show 27 May 2018

### Static:

|                        |         |               |
|------------------------|---------|---------------|
| 79-0122/KC             | A-10C   | 303rd FS AFRC |
| 86-0014                | C-5M    | 439th AW AFRC |
| 07-7172                | C-17A   | 60th AMW      |
| 88-1301                | AC-130W | 16th SOS      |
| 16-5839                | MC-130J | nn            |
| 84-1297/LF             | F-16C   | 309th FS      |
| 04-3735/VN             | T-6A    | 71st FTW      |
| 68-8206/VN, 70-1950/VN | T-38C   | 71st FTW      |
| 06-0692                | U-28A   | AFSOC         |
| 10-0056                | CV-22B  | 20th SOS      |

### Flightlines:

|                  |         |                       |    |
|------------------|---------|-----------------------|----|
| 188776           | CF-188  | 410sq                 | \$ |
| 69-5832          | MC-130P | GIA                   |    |
| 82-0056          | C-130H  | 16th SOS (OH ANG mks) |    |
| 87-9288, 88-1307 | AC-130W | 16th SOS              |    |
| 88-1308          | AC-130W | 16th SOS              |    |
| 13-5770, 14-5793 | MC-130J | 9th SOS               |    |
| 14-5800, 14-5805 | MC-130J | 9th SOS               |    |
| 08-0036, 10-0052 | CV-22B  | 20th SOS              |    |
| 13-0070 + 1      | CV-22B  | 20th SOS              |    |
| 86-0097/DY       | B-1B    | 9th BS                |    |

Plus the Thunderbirds which identities remained unidentified to us

Personal copy

Distribution to a third party is not allowed

## Mountain Home AFB, ID (USA)

### Gunfighter Skies Air Show

2 June 2018

#### Static:

|                     |           |                     |      |
|---------------------|-----------|---------------------|------|
| A97-450             | C-130J-30 | 37sq                |      |
| FA87, FA128         | F-16AM    | 10w                 |      |
| 87-0173/MO          | F-15E     | 366th FW            | \$   |
| 87-0201/MO          | F-15E     | 389th FS            |      |
| 05-5005/MO          | F-15E     | 428th FS            | \$   |
| 79-0084/ID          | A-10C     | 190th FS ID ANG     |      |
| 15-5135/LF, 15-5161 | F-35A     | 62nd FS             |      |
| 86-0099/EL          | B-1B      | 28th BW             |      |
| 60-0004/MT          | B-52H     | 23rd BS             |      |
| 10-0220             | C-17A     | 62nd AW             |      |
| 58-0065             | KC-135R   | 22nd ARW            |      |
| 05-6208/RA          | T-6A      | 559th FTS           |      |
| 68-8191/RA          | T-38C     | 560th FTS           |      |
| 99-0401/RA          | T-1A      | 99th FTS            |      |
| 10-72151            | UH-72A    | 1-112th Avn ID ArNG | 9390 |
| 95-26631            | UH-60L    | 1-183rd Avn ID ArNG |      |

#### Flightlines:

|                        |        |          |
|------------------------|--------|----------|
| 84-0072                | C-21A  | 457th AS |
| 05-4090/AK, 07-4151/AK | F-22A  | 90th FS  |
| 82-23835               | UV-18A | 98th FTS |

F-15E of 389th FS, coded MO:  
87-0169, 87-0170, 87-0204, 87-0210, 88-1678, 88-1680, 89-0506  
Plus 6 unidentified Thunderbirds F-16s

#### Northwestern Ramps:

|                        |       |          |
|------------------------|-------|----------|
| 02-1103                | C-17A | 58th AS  |
| 87-0209/MO, 88-1697/MO | F-15E | 388th FW |
| 90-0238/MO, 90-0243/MO | F-15E | 388th FW |

F-15E of 428th FS, coded MO:  
05-5007, 05-8361, 05-8368, 05-8371, 05-8374, 05-8376, 05-8378

## Cherbourg (France)

D-Day anniversary events 3 June 2018

|            |           |                 |    |
|------------|-----------|-----------------|----|
| 4588/61-PM | C-130H    | ET02.061        |    |
| R223/64-GW | C-160R    | ET00.064        |    |
| 14         | NH90-NFH  | 33F             |    |
| 50+57      | C-160D    | LTG63           |    |
| G-988      | C-130H    | 336sq           |    |
| 2707       | C-27J     | Esc.902 Av.Tr.  |    |
| 81-0994/MI | A-10C     | 107th FS MI ANG | \$ |
| 81-0996/MI | A-10C     | 107th FS MI ANG |    |
| 11-5752    | C-130J-30 | 61 AS           |    |
| 12-5760    | MC-130J   | 67th SOS        |    |

|                        |           |          |
|------------------------|-----------|----------|
| 07-8608/RS, 07-8609/RS | C-130J-30 | 37th AS  |
| 15-5822/RS, 16-5840/RS | C-130J-30 | 36th AS  |
| 08-5685                | C-130J-30 | 317th AW |
| 11-0058                | CV-22B    | 7th SOS  |

## Wunstorf (Germany)

Air Show 9 June 2018

#### Static:

|               |             |              |
|---------------|-------------|--------------|
| 14+02         | Global 5000 | FBS BMVg     |
| 44+65         | Tornado IDS | TLG51        |
| 45+60         | Tornado IDS | cockpit only |
| 50+17         | C-160D      | LTG63        |
| L-LX/(50+60)  | C-160D      | GIA          |
| 60+05         | P-3C        | MFG3         |
| 73+24         | UH-1D       | GIA          |
| 76+04, 76+07  | H145M       | HSG64        |
| 78+30, 78+31  | NH90-TTH    | HFR10        |
| 84+65         | CH-53GA     | HSG64        |
| 87+34         | Bo105P1     | GIA          |
| LX-N90447     | E-3A        | NAEW&CF      |
| G-781         | C-130H      | 336sq        |
| T.21-13/35-51 | C-295M      | Ala 35       |
| 07-8608/RS    | C-130J-30   | 37 AS        |
| D-EFOB        | Do27        | ex 56+81     |
| D-EHVO/JA+391 | P149D       | ex 90+63     |

A400M of LTG62:  
54+03, 54+04, 54+09, 54+11, 54+12, 54+18

#### Inside Hangar 1

|       |       |       |
|-------|-------|-------|
| 54+19 | A400M | LTG62 |
|-------|-------|-------|

#### Outside Hangar 1:

|        |        |                   |
|--------|--------|-------------------|
| 54+10  | A400M  | LTG62             |
| F-AZVM | N2501F | ex FrAF 105/62-SI |

#### Hangar 2:

|              |       |       |
|--------------|-------|-------|
| 54+05, 54+15 | A400M | LTG62 |
| 54+16        | A400M | LTG62 |

#### Old Hangar 1:

|       |        |                 |
|-------|--------|-----------------|
| 58+90 | Do28D2 | GIA             |
| 50+70 | C-160D | GIA             |
| 90+56 | P149D  | GIA             |
| ET+02 | UH-1D  | GIA (ex 72+53?) |

#### Flightline:

|              |        |       |
|--------------|--------|-------|
| 54+07, 54+08 | A400M  | LTG62 |
| 54+14, 54+17 | A400M  | LTG62 |
| 50+61        | C-160D | LTG63 |
| 84+29        | CH-53G | HSG64 |



The Swidwin Open Day was a good opportunity to shoot some Russian made hardware like this SU-22 8309. (20 June 2018, Frits Jongerman)



One of the highlights of this year's Airtattoo was special marked CH-146 Griffon with serial 146430. (Fairford, 13 July 2018, Ian French)

82+65 EC-135T1 IHAZ  
 30+78 EF2000 TLG71 (flew morning)  
 30+33 EF2000 TLG71 (flew afternoon)  
 45+39 Tornado IDS TLG51

North Side/SAR alert:  
 70+89 UH-1D THR30

Visit:  
 82+03 AS532U2 FBS BMVg

Niagara Falls ARS, NY (USA)

Thunder of Niagara Air Show 9 June 2018

Static:  
 79-0192/FT, 80-0188/FT A-10C 74th FS  
 60-0057/BD B-52H 340th WPS '340 WPS'  
 86-0022 C-5M 60th AMW  
 79-1946 KC-10A 60th AMW  
 85-0030 KC-10A 305th AMW  
 00-0172 C-17A 437th AW  
 80-0326 C-130H gia as '92-9141'  
 87-9283 C-130H 757th AS AFRC  
 98-5308 WC-130J 53rd WRS AFRC  
 58-0063, 62-3533 KC-135R 328th ARS AFRC  
 78-0503/OT F-15C 85th TES  
 87-0190/SJ F-15E 333rd FS '307 FS'  
 86-0336, 87-0326 F-16C 134th FS VT ANG  
 95-0062/CB T-1A 48th FTS  
 06-3844/CB T-6A 41st FTS  
 65-10361/WM T-38A 509th BW  
 08-08759 CH-47F nn  
 91-26319 UH-60L nn  
 164111/621 E-2C VAW-120  
 164632/AJ-401 F/A-18C VFA-37  
 167821/HU-741 MH-60S HSC-2  
 165605/A-163 T-45C VT-9  
 165088/A-109 T-45C VT-9  
 168626/EM-07 MV-22B VMM-261  
 N607NA DHC-6-100 NASA

Flightline:  
 01-0192 C-17A 137th AS NY ANG  
 62-3557, 63-8044 KC-135R 328th ARS AFRC  
 08-4152/FF, 09-4175/FF F-22A 1st FW  
 165808/AD-221 F/A-18F VFA-106  
 166621/AD-263 F/A-18F VFA-106  
 166484/EM-04 MV-22B VMM-261  
 CT-114 of the Snowbirds:  
 114013/1, 114051/2, 114109/3, 114145/4, 114050/5, 114058/6  
 114143/7, 114033/8, 114054/9, 114131/10, 114161/11

Plus the Thunderbirds with their F-16s, but these remain unidentified.

Far side:  
 62-3580, 63-8017 KC-135R 328th ARS AFRC  
 58-0093 KC-135R 54th ARS

San Javier (Spain)

Open Day 9 June 2018

Static:  
 315/30-HK Rafale B EC01.004  
 MM62218/46-82 C-27J 98° Gruppo  
 MM55221/61-15 T-346A 212° Gruppo  
 MM54534/0 MB339A/PAN(MLU)313° Gruppo  
 58-0094 KC-135T 351st ARS  
 168636/EG-16 MV-22B VMM-263  
 TK.23-02/31-22 A400M Ala 31  
 HT.21-02/803-14 AS332B1 803 Esc  
 VA.1B-24/01-914 EAV-8B Eslla 009  
 E.25-69/79-97 C101EB AGA  
 E.25-73/79-98 C101EB AGA  
 TK.10-05/31-50 KC-130H Ala 31  
 T.12B-49/72-07 C212-100 721 Esc  
 T.19B-20/74-20 CN235M 744 Esc  
 T.21-07/35-45 C295M 353 Esc  
 UD.14-02/43-32 CL415 Gr 43  
 T.18-5/45-44 Falcon 900B 451 Esc  
 HE.25-10/78-29 EC-120B 782 Esc  
 C.15-48/12-06 EF-18M Ala 12  
 C.16-73/14-31 EF2000 Ala 14  
 AE.9-08/23-02 SF-5M Ala 23  
 AE.9-27/23-16 SF-5M Ala 23  
 AE.9-28/23-17 SF-5M Ala 23  
 E.26-01/79-50 T-35C AGA  
 E.26-02/79-68 T-35C AGA  
 HA.28-17/ET-717 Tiger HAD BHELA I  
 P.3M-9/22-32 P-3M Grupo 22  
 HE.24-3/78-03 S-76C 781 Esc

Flightline:  
 MM55154/61-01 T-346A 212° Gruppo  
 MM55223/61-22 T-356A 212° Gruppo  
 E.25-50/79-33 C101EB AGA  
 E.25-72/74-26 C101EB AGA  
 C.15-56/12-14 EF-18M Ala 12  
 C.16-56 EF2000 nmk  
 HA.28-14/ET-714 Tiger HAD BHELA1  
 VA.1B-30/01-920 EAV-8B Eslla 009  
 VA.1B-33/01-922 TAV-8B Eslla 009  
 C101EB of Patrulla Aquilla:  
 E.25-13/79-13, E.25-21/79-21, E.25-27/79-27  
 E.25-31/79-31, E.25-38/79-38, E.25-52/79-34  
 E.25-63/74-17, E.25-78/79-02, E.25-87/79-29  
 EC120B of 782 Esc/Patrulla ASPA:  
 HE.25-2/78-21, HE.25-3/78-22, HE.25-8/78-27  
 HE.25-14/78-33, HE.25-15/78-34

Plus 9 MB-339 of the Italian frece Tricolori, but these were not reported

Civil terminal:  
 CSX62219/RS-50 C-27J 311° Gruppo

UD.13-24/43-24 CL-215T Grupo 43  
 HU.15-63/09-124 Bo105CB Guardia Civil &

#### Ramp between hangars:

C101EB of AGA:  
 E.25-09/79-09, E.25-12/79-12, E.25-15/79-15, E.25-16/79-16,  
 E.25-19/79-19, E.25-25/79-25, E.25-28/79-28, E.25-54/79-35  
 E.25-62/79-17, E.25-68/74-22

#### Hangar 1:

C101EB of AGA:  
 E.25-06/79-06, E.25-08/79-08, E.25-20/79-20, E.25-41/74-41  
 E.25-44/79-44, E.25-71/74-25, E.25-79/79-39

#### Hangar 2

T-35C of AGA:  
 E.26-04/79-51, E.26-05/79-52, E.26-10/79-57, E.26-13/79-60  
 E.26-14/79-61, E.26-16/79-63, E.26-19/79-66, E.26-20/79-67  
 E.26-23/79-70, E.26-31/79-78, E.26-32/79-79, E.26-33/79-80  
 E.26-35/79-82, E.26-36/79-83

#### Hangar 3

|               |          |                 |         |
|---------------|----------|-----------------|---------|
| E.25-46/79-46 | C101EB   | (fuselage only) |         |
| U.9-04/79-112 | Casa 127 | AGA             | (WFU ?) |
| U.9-23/79-114 | Casa 127 | AGA             | (WFU ?) |

T-35C of AGA:  
 E.26-06/79-53, E.26-08/79-55, E.26-11/79-58, E.26-17/79-64  
 E.26-25/79-72, E.26-27/79-74, E.26-28/79-75

#### Hangar 4

C101EB of AGA:  
 E.25-11/79-11, E.25-24/79-24, E.25-29/74-45, E.25-33/74-02  
 E.25-53/74-09, E.25-66/74-20, E.25-80/79-03

#### Hangar 5:

T-35C of AGA:  
 E.26-07/79-54, E.26-12/79-59, E.26-15/79-62, E.26-24/79-71  
 E.26-38/79-85, E.26-39/79-86

### Quonset Point AP, RI (USA)

Rhode Island Air Show 10 June 2018

#### Static:

|                    |         |                     |
|--------------------|---------|---------------------|
| 99-1433, 02-1434   | C-130J  | 143rd AS RI ANG     |
| 59-1498            | KC-135R | 132nd ARS ME ANG    |
| 88-26113           | HH-60G  | 101st RQS NY ANG    |
| 79-23341, 84-23965 | UH-60A  | 1-126th AvN RI ArNG |
| 04-3757/CB         | T-6A    | 37th FTS            |
| 165300/AJ-601      | E-2C    | VAW-124             |
| 164678/AJ-410      | F/A-18C | VFA-37              |
| 169330/330         | P-8A    | USN                 |
| 162591/AD-260      | F-14A   | Pres                |
| 70-16530           | AH-1F   | Pres                |
| 71-20233           | UH-1V   | Pres                |

#### Flightline:

|                        |        |                     |
|------------------------|--------|---------------------|
| 99-1431, 05-1435       | C-130J | 143rd AS RI ANG     |
| 00-0221/SW             | F-16CM | 20th FW             |
| 11-5036/LF, 11-5037/LF | F-35A  | 62nd FS             |
| 90-26258               | UH-60L | 1-126th AvN RI ArNG |
| 6041                   | MH-60J | Cape Cod            |

Plus five single seat and two double seat Hornets of the US Navy's Blue Angels.

### Hill AFB, UT (USA)

Warriors over the Wasatch 23-24 June 2018

#### Static:

|               |         |                     |
|---------------|---------|---------------------|
| 61-0275       | KC-135R | 191st ARS UT ANG    |
| 68-8129/EN    | T-38C   | 80th FTW            |
| 78-0650       | A-10C   | nmk                 |
| 86-0022       | C-5M    | 60/349 AMW          |
| 87-0173/MO    | F-15E   | 389 FS \$           |
| 88-1705/MO    | F-15E   | 389th FS '389 FS'   |
| 87-0291/AC    | F-16C   | 119th FS NJ ANG     |
| 90-26312      | HH-60G  | 55th RQS            |
| 94-0124/VN    | T-1A    | 71st FTW            |
| 02-05313      | AH-64D  | 1-211th Avn UT ArNG |
| 06-4116/WA    | F-22A   | 433rd WPS '433 WPS' |
| 08-3911/EN    | T-6A    | 80th FTW            |
| 12-72261      | UH-72A  | 1-112th AvN UT ArNG |
| 15-5134/HL    | F-35A   | 34th FS '34 FS'     |
| 15-5140/HL    | F-35A   | 4th FS '4 FS'       |
| 164994/CW     | C-130T  | VR-54               |
| 169030/NJ-400 | F-35C   | VFA-125             |

The Flightline hosted the unidentified F-16s of the USAF Thunderbirds.

### Tikkakoski (Finland)

Finnish Air Force 100th Anniversary Air Show 16 June 2018

#### Static:

|                      |            |                       |
|----------------------|------------|-----------------------|
| CC-2                 | C295M      | TukiLLv               |
| PI-03                | PC-12      | TukiLLv               |
| LJ-1                 | LJ35A      | TukiLLv               |
| HW-355/55            | Hawk Mk51A | HävLLv 41             |
| HW-365/65            | Hawk Mk66  | HävLLv 41             |
| HN-416/16            | F-18C      | HävLLv 41             |
| HN-439/39, HN-444/44 | F-18C      | HävLLv 11             |
| HH-12                | MD500E     | 2.HK/HekoP            |
| NH-205               | NH90-TTH   | 1.HK/HekoP            |
| HW-314               | Hawk Mk51  | fuselage only         |
| OH-HVN               | AW119Ke    | Rejavartioliatos      |
| OH-MVO               | Do228-212  | Rejavartioliatos      |
| 30+02                | EF2000(T)  | TLG71                 |
| MM7351/4-9           | F-2000A    | 4 <sup>o</sup> Stormo |



Another highlight of the Royal International Air Tattoo 2018 was this Estonian An-2 41 yellow which was 'spotter friendly' parked in the static area. (Fairford, 13 July 2018, Rob Skinkis)



CF-188A 188776 is the 2018 demonstration aircraft of 410 Squadron based at Cold Lake and was seen here while lining up at Fairford's runway 27 for departure to their homebase. (16 July 2018, Jan-Pieter Libens)

|  |               |                       |                         |             |                  |
|--|---------------|-----------------------|-------------------------|-------------|------------------|
| C.16-40/11-16  | EF-2000       | Ala 11                | AT33                    | Alpha Jet E | AJeTS            |
| C.16-63-10048/11-28  | EF-2000       | Ala 11                | 9813                    | Mi-171      | 222.vrl          |
| 39257/257  | JAS39C        | F21                   | N-977                   | MH-60R      | Esk 723          |
| ZJ916/916  | Typhoon FGR.4 | (29sq)                | 2021/BHN                | Tigre HAP   | EFA              |
| 169215   | EA-18G        | nmks                  | 6009/BJI                | Tigre HAD   | EFA              |
| MT-507   | Bf109G        | Preserved             | 1239/EAA                | NH90-TTH    | nn               |
| BL-200   | Blenheim IV   | Preserved             | 139/ABS                 | TBM-700B    | EAAT             |
| DK-241   | J-35F         | Preserved             | 890/MCD                 | PC-6B       | ETCM             |
| MG-138   | MiG-21PFM     | Preserved             | F-ZAGC/6111             | SA365N      | DGA EV           |
| MY-14  | Myrsky II     | Preserved             | 16                      | Rafale M    | 12F              |
| OH-VIE   | VL Vilma II   | ex VI-15              | 84+28                   | CH-53GA     | HSG64            |
|  |               |                       | 82+65                   | EC135T1     | IHAZ             |
| <u>Flightline/Flying:</u>  |               |                       | 030, 032, 037           | PZL-130TC-2 | 42.BLSz          |
| HH-7   | MD500E        | 2HK/HekoP             | F-AZHK '127002'         | AD-4N       | ex Gabon TR-LQE  |
| OH-HVL   | AW119Ke       | Rejavartiolaistos     | F-AZKM '155454'         | OV-10A      | ex GAF99+24      |
| OH-LCH   | C-47A         | ex DO-11              | F-AZPZ                  | CM170R      | ex FAF 413       |
| OH-FMA   | CM170         | ex FM-37              | F-AZVG                  | MD312       | ex FAF 189       |
| OH-FMM   | CM170         | ex FM-51              | HB-RVR                  | Hunter T.68 | ex Swiss J-4201  |
| OH-XGT   | Gauntlet II   | ex GT-400             | N25Y                    | P-38L       | Private          |
| OH-SFA/36  | S-91D         | ex SF-36              |                         |             |                  |
| OH-SFF/4   | S-91D         | ex SF-4               | <u>Flightline:</u>      |             |                  |
| OH-SFJ/24  | S-91D         | ex SF-24              | 5541/AYI                | AS555UN     | EALAT            |
| OH-SFN/16  | S-91D         | ex SF-16              | 2331/CGU                | AS532UL     | nn               |
| OH-SFT/22  | S-91D         | ex SF-22              | 305/4-EC                | Rafale B    | EC01.004         |
| OH-VIG   | VL Vilma      | ex VI-3               | 130/4-GI                | Rafale C    | ETR03.004        |
| SE-DXG/140   | Sk-60E        | SweAF Historic Flight | 0717/JDC                | EC135T2     | Gendarmerie      |
| SE-DXR/56  | J-35J         | SweAF Historic Flight | F-ZBGI                  | EC135T2     | Securite Civile  |
|  |               |                       | 014                     | C295M       | 13.eltr          |
| <u>Far side Flightlines:</u>                                     |               |                       | F-AZTL                  | T-6         | ex USAAF41-17207 |
| GO-27  | G115E         | HävLLv 41             | F-AZNC                  | DHC-1       | ex FAP 1321      |
| HN-435/35, HN-440/40   | F-18C         | HävLLv 11             |                         |             |                  |
| VN-11, VN-18, VN-20  | L-70          | HävLLv 11             | <u>Sports field:</u>    |             |                  |
| VN-28, VN-30   | L-70          | HävLLv 11             | 1338/EAY                | NH90-TTH    | 1RHC             |
| PI-01, PI-04, PI-05  | PC-12         | TukiLLv               | 6010/BJJ                | Tigre HAD   | 1RHC             |
| NH-206   | NH90-TTH      | 1HK/HekoP             | 1256/DDR, 1438/DBG      | SA330B      | GAM/STAT         |
| 5836/61-PO   | C-130J-30     | ET02.061              | 4223/GER                | SA342M      | 3RHC             |
| 311/4-HD, 314/4-HP   | Rafale B      | EC01.004              |                         |             |                  |
| 354/4-FU   | Rafale B      | EC01.004              | <u>Swidwin (Poland)</u> |             |                  |
| 39274/274, 39280/280   | JAS39C        | F21                   | Air Picnic              |             | 30 June 2018     |
| ZK317, ZK352   | Typhoon FGR.4 | (29sq)                | <u>Static:</u>          |             |                  |
| 169136/NJ-516  | EA-18G        | VAQ-129               | 45+39                   | Tornado IDS | TLG51            |
| Hawk Mk66 of HävLLv 11:  |               |                       | 111                     | MiG-29A     | 1.ELT            |
| HW-364/64, HW-368/58, HW-370/70, HW-373/73, HW-376/76, HW-377/77 |               |                       | 3817, 9615              | Su-22M-4    | 40.ELT           |
| Hawk Mk51 of the Midnight Hawks:                                 |               |                       | 0501                    | W-3RL       | 1.gpr            |
| HW-339, HW-341/1, HW-352/7, HW-353/4, HW-354/3 & HW-357/2        |               |                       | 0818                    | W-3RA       | 66.dlot          |
|  |               |                       | 6006                    | Mi-2Ch      | 49.blot          |
| <u>Flying only:</u>  |               |                       | SN-06XP                 | Mi-2        | Police           |
| HN-407, HN-443   | F-18C         | HävLLv 31             | 6108                    | Mi-171V     | 1.dlot           |
| LJ-3   | LJ35A         | TukiLLv               | 730                     | Mi-24V      | 56.blot          |
|  |               |                       | 9483                    | MiG-21bis   | Pres             |
| <u>Valence (France)</u>  |               |                       | 1920                    | Lim-2       | Pres             |
| Open Day   |               | 24 June 2018          | <u>Flightline:</u>      |             |                  |
| <u>Static:</u>   |               |                       | 105                     | MiG-29A     | 1.ELT            |
| H29  | A109BA        | 1 Wing                | 3715, 3816, 8309        | Su-22M-4    | 40.ELT           |

Personal copy

Distribution to a third party is not allowed

|                                    |            |         |              |
|------------------------------------|------------|---------|--------------|
| 0701                               | W-3RL      | gprl    |              |
| <u>Blister hangar:</u>             |            |         |              |
| 2647                               | Mi-2       | 1.gpr   |              |
| 0502                               | W-3RL      | 1.gpr   |              |
| 0620                               | W-3A       | gprl    | SAR c/s      |
| <u>HAS AREA</u>                    |            |         |              |
| 3201                               | Su-22M-4   | 21.BLT  |              |
| <u>Fire fighting demo:</u>         |            |         |              |
| SP-PML                             | Mi-2       | Private |              |
| <u>Inside maintenance hangar:</u>  |            |         |              |
| 305                                | Su-22UM-3K | 21.BLT  | black c/s    |
| 3304, 3612, 9102                   | Su-22M-4   | 21.BLT  | grey c/s     |
| 8103                               | Su-22M-4   | 21.BLT  | green c/s    |
| <u>Outside maintenance hangar:</u> |            |         |              |
| 3703, 3710                         | SU-22M-4   | 21.BLT  |              |
| 0602                               | Mi-2R2L    | nn      | faded serial |

### Nancy-Ochey (France)

Meeting National de l'Air 30 June-1 July 2018

|                    |               |            |
|--------------------|---------------|------------|
| <u>Static:</u>     |               |            |
| 5D-HD              | AB212         | lHSSta     |
| 6M-BF              | S-70A-42      | mTHSSta    |
| C-215              | CL-604        | Esk 724    |
| E158/8-RF          | Alpha Jet E   | EE03.008   |
| 56/2-EG, 78/2-EC   | Mirage 2000-5 | EC01.00    |
| 613/3-MO, 670/3-XF | Mirage 2000D  | EC03.003   |
| 620/3-IU           | Mirage 2000D  | EC02.003   |
| 630/3-XD, 668/3-IG | Mirage 2000D  | EC01.003   |
| 357/125-CO         | Mirage 2000N  | EC02.004   |
| 345/4-FL, 347/4-FN | Rafale B      | EC01.004   |
| 105/30-HE          | Rafale C      | EC01.030   |
| 109/30-IM          | Rafale C      | EC02.030   |
| 193/62-HA          | CN235M-300    | ET03.062   |
| 1390/EBA           | NH90-TTH      | 1RHC       |
| MM62223/46-88      | C-27J         | 98° Gruppo |

|                        |              |            |
|------------------------|--------------|------------|
| <u>Flightline:</u>     |              |            |
| E33/705-FJ, E83/705-TZ | Alpha Jet E  | AJeTS      |
| 305/4-EC               | Rafale B     | EC01.004   |
| 130/4-GI               | Rafale C     | ETR03.004  |
| 67/315-WJ +1           | TB-30        | EPAA00.315 |
| 120/115-KC, 121/115-KN | Mirage 2000C | EC02.005   |
| 611/3-JP               | Mirage 2000D | EC02.003   |
| 624/3-IT, 681/3-AG     | Mirage 2000D | EC01.003   |
| 638/3-IJ               | Mirage 2000D | EC03.003   |

|   |              |           |
|---|--------------|-----------|
| C.16-47/14-11                                   | EF2000       | Ala14     |
| C.16-73/14-31                                   | EF2000       | Ala14     |
| Alpha Jet E of EPAA20.300/Patrouille de France: |              |           |
| E44/1, E45/2, E85/3, E152/4, E146/5,            |              |           |
| E139/6, E113/7, E127/8, E68/9                   |              |           |
| <u>Shelter Area:</u>                            |              |           |
| 660/3-JF  | Mirage 2000D | ETD02.007 |
| 667/3-JZ  | Mirage 2000D | EC03.003  |
| 15  | ATL2         | 23F       |
| 2009/BHB  | Tigre HAP    | ALAT      |
| 195/62-HC                                       | CN235M-300   | ET03.062  |

|                     |         |          |
|---------------------|---------|----------|
| <u>Flying only:</u> |         |          |
| 0065/F-RBAM         | A400M   | ET01.061 |
| 147/XS              | TBM-700 | ET00.060 |
| 131/XQ              | TBM-700 | ET00.060 |

### Paris (France)

#### Bastille Day flypast

14 July 2018

|                         |               |                            |
|-------------------------|---------------|----------------------------|
| <u>Wave 1:</u>          |               |                            |
| E44/1, E98/2, E85/3     | Alpha Jet E   | EPAA20.300/PdF             |
| E152/4, E146/5, E139/6  | Alpha Jet E   | EPAA20.300/PdF             |
| E113/7, E127/8, E68/9   | Alpha Jet E   | EPAA20.300/PdF             |
| <u>Wave 2:</u>          |               |                            |
| 740/31-CL               | C-135FR       | GRV02.091                  |
| 348/125-AL              | Mirage 2000N  | EC02.004                   |
| 317/4-HO, 332/4-IG      | Rafale B      | EC01.004                   |
| 333/4-IH                | Rafale B      | EC01.004                   |
| <u>Wave 3</u>           |               |                            |
| MRTT041                 | A330-243MRTT  | Airbus Industries/FAF 1735 |
| 613/3-MO, 683/3-IV      | Mirage 2000D  | EC03.003                   |
| 620/3-IU                | Mirage 2000D  | EC02.003                   |
| <u>Wave 4</u>           |               |                            |
| 735/31-CG               | C-135FR       | GRV02.091                  |
| 103/30-HR               | Rafale C      | EC 02.030                  |
| 340/4-FG                | Rafale B      | EC 01.004                  |
| 315/30-HK 324/30-HW     | Rafale B      | EC01.030                   |
| <u>Wave 5:</u>          |               |                            |
| 204/36-CD               | E-3F          | EDCA 00.036                |
| 46/2-EN 77/2-AX 40/2-EX | Mirage 2000-5 | EC01.002                   |
| 527/115-OR              | Mirage 2000B  | EC02.005                   |
| <u>Wave 6:</u>          |               |                            |
| 109/115-YH 121/115-KN   | Mirage 2000C  | EC02.005                   |
| 107/115-YD              | Mirage 2000C  | EC02.005                   |



The Belgian Air Force decorated F-16AM FA-101 in special markings for this year's airshow season. (Fairford, 15 July 2018, Jan-Pieter Libens)



Next to all the classic aircraft, the USAF showed up with some active military aircraft like this B-1B 83-0135 of the 28th BS based at Dyess Air Force base (Oshkosh, 24 July 2018, Fred Bronner)



One of only two B-29s are in flying condition. One of them is ex USAF B-29 with serial N69972 and was performing at this year's Oshkosh airshow. (27 July 2018, Ad Jan Altevogt)



The US Army Parachute Team 'Golden Knights' still uses this Dutch built Fokker aircraft (USAF designation C-31). Both C-31s are still active and C-31 85-01607 was seen at the Oshkosh 2018 airshow by Fred Bronner. (15 July 2018)

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Seven C-27s are active with Esc. 902 Av.Tr. and C-27 2703 was seen arriving for the BIAS 2018 Airshow at Bucuresti Baneasa. (28 July 2018, Erik Sleutelberg)



The two Ukrainian Air Force SU-27s which attended the RIAT were supported by il-76 78820. (Fairford, 12 July 2018, Rob Skinkis)



For Special Operations duties, three Mi-8s are in use with Unitatea Spec. They are seldom seen and Mi-8 730 was therefore a welcome visitor at BIAS 2018. (27 July 2018, Erik Sleutelberg)



Twenty-two IAR330L SOCATs are still active in the Romanian Air Force. Serial 78 and 46 performed a demo during BIAS 2018. (27 July 2018, Erik Sleutelberg)

56/2-EG Mirage 2000-5 EC01.002  
 E105/8-FM Alpha Jet E EE03.008

Wave 7:  
 AT15 Alpha Jet E AJeTS  
 E148/705-LU, E163/705-RB Alpha Jet E AJeTS  
 E118/8-LN E164/120-RV Alpha Jet E ETO01.008  
 324 M-346 150sq

Wave 8:  
 27, 41, 43, 45 Rafale M 17F

Wave 9:  
 23 ATL2 21F  
 27 Falcon 50 24F

Wave 10:  
 F-RAJA A340-211 ET03.060

Wave 11:  
 195/62-HC, 200/62-HH CN235M-300 ET01.062  
 0073/F-RBAN A400M ET01.061

Wave 12:  
 R217/64-GQ C-160R ET00.064  
 54+17 A400M LTG62  
 5836/61-PO C-130J-30 ET02.061

Wave 13:  
 108/YW 92/YL 89/YJ EMB121AA EAT00.319  
 90/ZF EMB121AN EAT00.319

Wave 14:  
 F-HKCL, F-HKCO SR-22 CFAIM  
 04, 05 EA330SC EVVA

Wave 15:  
 F-ZBMC/73 DHC-8-402MR Securite Civile  
 F-ZBFY/35 CL-415 Securite Civile

Wave 16:  
 5390/UZ, 5448/VR AS555AN EH05.067  
 5509/WB AS555AN EH05.067  
 2461/SA, 2802/SK EC725R2 EH01.067

Wave 17:  
 10 NH90-NFH 33F  
 322 SA365F1 35F  
 JDA, JDB, JDL EC135T2 Gendarmerie  
 F-ZBPO EC145 Securite Civile

Wave 18:  
 4229/GEX SA342L1 3RHC  
 1243/DBB 1512/DBK SA330B 3RHC  
 1338/EAY 1332/EAS NH90-TTH 1RHC

Wave 19:  
 2044/BIL Tigre HAP 4RHFS  
 2273/CGF AS532UL 4RHFS  
 4225/GET SA342L1 4RHFS

Wave 20:  
 2003/BHJ Tigr HAP 1/5RHC  
 6010/BJJ Tigre HAD 1/5RHC  
 1173/DAR SA330B 3RHC  
 4233/GFB SA342M 3RHC

Wave 21:  
 2375/CHC AS532UL 5RHC  
 1391/EBB, 1392/EBD NH90-TTH 1RHC  
 6016/BJP Tigre HAD 1RHC  
 888/MCB 891/MCE PC-6/B2-H4 ETCM

### RAF Fairford

Royal International Air Tatoo 10-16 July 2018  
 The report below has been compiled from various sources.  
 The last column list the days the aircraft was present.

| <u>Static:</u> |             |        |       |
|----------------|-------------|--------|-------|
| A30-001        | E-7A        | 2sq    | 13-16 |
| 8T-CA          | C-130K      | LTStfl | 12-16 |
| CE02           | ERJ135LR    | 21sm   | 12-16 |
| FA101          | F-16AM      | 2Wg    | 12-16 |
| 146430         | CH-146      | 430sq  | 12-16 |
| 177705         | CC-177      | 429sq  | 12-16 |
| 130614         | CC-130J-30  | 436sq  | 10-16 |
| B-536          | C-130J-30   | Esk721 | 12-16 |
| E-018          | F-16AM      | Esk727 | 12-16 |
| ET-198         | F-16BM      | Esk727 | 12-16 |
| 260            | PC-9M       | 101sq  | 12-16 |
| 261            | PC-9M       | 101sq  | 12-16 |
| 41/yellow      | An-2        |        | 11-16 |
| NH-221         | NH90-TTH    | 2.HK   | 12-16 |
| 77             | EMB121AN    | 28F    | 11-16 |
| 54+10          | A.400M      | LTG62  | 12-16 |
| 30+94          | EF-2000     | TLG74  | 12-16 |
| 44+65          | Tornado IDS | TLG51  | 12-16 |





Highlight of this year's RIAT was SU-27 58 blue, photographed by Rob Skinkis on the arrival day at Fairford on the 12th of July 2018.

|   |               |                      |          |                 |                 |                   |               |
|---|---------------|----------------------|----------|-----------------|-----------------|-------------------|---------------|
| G-CBZP  | Hawker Fury I | Hist. Aircr. Coll.   | as K5674 | 4055            | F-16C           | 31.BLT            | 11-16         |
| G-CJZO  | BE.2e replica | Wulff                | as A2943 | L9-65           | PC-9M           | Letalska Sola     | 12-16         |
| G-GGRR  | Bulldog T1    | Sharp                | as XX614 | E.25-31/79-31/1 | C-101EB         | Patruila Aguila   | 10-16         |
| G-JWMA  | Meteor T7mod  | Martin-Baker         | as WA638 | E.25-38/79-38/2 | C-101EB         | Patruila Aguila   | 10-16         |
| G-ONAA  | OV-10B        | Liberty Aviation     | As 99+18 | E.25-52/79-34/3 | C-101EB         | Patruila Aguila   | 10-16         |
| G-RORI  | Gnat T1       | Heritage Aircraft    | as XR538 | E.25-13/79-13/5 | C-101EB         | Patruila Aguila   | 10-16         |
| OE-XSY  | Sycamore Mk52 | The Flying Bulls     | as XG545 | E.25-63/74-17/5 | C-101EB         | Patruila Aguila   | 10-16         |
|   |               |                      |          | E.25-78/79-02/4 | C-101EB         | Patruila Aguila   | 10-16         |
|   |               |                      |          | E.25-27/79-27/7 | C-101EB         | Patruila Aguila   | 10-16         |
|   |               |                      |          | E.25-87/79-29   | C-101EB         | Patruila Aguila   | 10-16         |
| The Shuttleworth Spitfire was only present on the 13th. |               |                      |          |                 |                 |                   |               |
| <u>Vintage Village Area</u>                             |               |                      |          |                 |                 |                   |               |
| XF113   | Swift F7      | Boscombe Down museum | cockpit  | 39278/278       | JAS 39C         | F7                | 11-16         |
| XG290   | Hunter F6     | Boscombe Down museum | cockpit  | 39293/293       | JAS39C          | F7                | 11-16         |
| "12946"   | Pou du Ciel   |                      |          | A-912           | PC-7            | PC-7 Team         | 12-16         |
| <u>Flight Lines</u>                                     |               |                      |          |                 |                 |                   |               |
| H29   | A-109BA       | 1Wg                  | 12-16    | A-916           | PC-7            | PC-7 Team         | 12-16         |
| FA129 spcl  | F-16AM        | 2Wg                  | 12-16    | A-918           | PC-7            | PC-7 Team         | 12-16         |
| 188776 spcl   | CF-188        | 401sq                | 10-16    | A-924           | PC-7            | PC-7 Team         | 12-16         |
| 188783  | CF-188        | 433sq                | 10-16    | A-925           | PC-7            | PC-7 Team         | 12-16         |
| 9239  | JAS39C        | 211.tl               | 10-16    | PC-7            | PC-7 Team       | 12-16 A-929       | 12-16 A-926   |
| HN-426  | F-18C         | HavLLv31             | 12-16    | PC-7            | PC-7 Team       | 12-16 A-931       |               |
| HN-435  | F-18C         | HavLLv31             | 12-16    | PC-7            | PC-7 Team       | 12-16 A-934       |               |
| NH-219  | NH90-TTH      | 2.HK                 | 12-16    | PC-7            | PC-7 Team       | 12-16 A-938       |               |
| 624/3-IT  | Mirage 2000D  | EC03.003             | 11-16    | PC-7            | PC-7 Team       | 12-16 J-5010      |               |
| 649/3-XY  | Mirage 2000D  | EC03.003             | 11-16    | FA-18C          | FIS17           | 12-16 J-5016      |               |
| 672/3-XV  | Mirage 2000D  | EC03.003             | 11-16    | FA-18C          | FIS17           | 12-16 88-0029     |               |
| 130/4-GI  | Rafale C      | ETR03.004            | 11-16    | F-16C           | 141 Filo        | 11-17 88-0032     |               |
| 16 FAF  |               |                      |          | F-16C           | 141 Filo        | 11-17             |               |
| 305/4-EC  | Rafale B      | EC01.004             | 11-16    | 58 blue         | Su-27P1M        | 831 GTAB          | 12-16         |
| 5   | Rafale M      | 12F                  | 10-16    | 15-5125/LF      | F-35A           | 63rd FS           | 12-16         |
| 6   | Rafale M      | 12F                  | 10-16    | 15-5164/LF      | F-35A           | 63rd FS           | 12-16         |
| 23  | Rafale M      | 12F                  | 10-16    | EC400(ZM421)    | Atlas C1        | Airbus            | 12            |
| 520   | F-16C         | 340Mira              | 10-16    | ZH891           | Chinook HC6A    | 27sq              | 12            |
| 529   | F-16C         | 340Mira              | 10-16    | ZA947           | Dakota C3       | BoBMF             | 10-15         |
| MM7343/36-52  | F-2000A       | 36°St/RSV            | 10-16    | XX219           | Hawk T1A        | Red Arrows        | 12            |
| MM54534/0   | AT-339A       | 311°Gr               | 10-16    | XX242           | Hawk T1         | Red Arrows        | north side 14 |
| MM54517/2   | AT-339A       | 311°Gr               | 10-16    | XX244           | Hawk T1         | Red Arrows        | 12            |
| MM55058/3   | AT-339A       | 311°Gr               | 10-16    | XX245           | Hawk T1         | Red Arrows        | 12            |
| MM55053/4   | AT-339A       | 311°Gr               | 10-16    | XX278           | Hawk T1A        | Red Arrows        | 12            |
| MM54538/6   | AT-339A       | 311°Gr               | 10-16    | XX310           | Hawk T1W        | Red Arrows        | 12            |
| MM54514/8   | AT-339A       | 311°Gr               | 10-16    | XX311           | Hawk T1         | Red Arrows        | 12            |
| MM54539/9   | AT-339A       | 311°Gr               | 10-16    | XX319           | Hawk T1A        | Red Arrows        | 12            |
| MM54505/10  | AT-339A       | 311°Gr               | 10-16    | XX322           | Hawk T1A        | Red Arrows        | 12            |
| MM55052/11  | AT-339A       | 311°Gr               | 10-16    | XX325           | Hawk T1         | Red Arrows        | 12            |
| MM54551/12  | AT-339A       | 311°Gr               | 10-16    | LF363/SD-A      | Hurricane Ilc   | BoBMF             | 10-14         |
| MM55220/61-16   | T-346A        | RSV                  | 10-16    | PZ865/EG-S      | Hurricane Ilc   | BoBMF             | 10-14         |
| CSX62219/RS-50  | C-27J         | RSV                  | 10-16    | PA474/AR-LVN-T  | Lancaster B1    | BoBMF             | 10-15         |
| 01/JY-RFA   | EA-330LX      | Jordanian Falcons    | 11-16    | MK356/QJ-3      | Spitfire IX     | BoBMF             | 10            |
| 02/JY-RFB   | EA-330LX      | Jordanian Falcons    | 11-16    | PS915           | Spitfire PRXIX  | BoBMF             | 10            |
| 03/JY-RFC   | EA-330LX      | Jordanian Falcons    | 11-16    | TE311/SZ-G      | Spitfire LFXVle | BoBMF             | 10            |
| 04/JY-RFD   | EA-330LX      | Jordanian Falcons    | 11-16    | ZK318           | Typhoon FGR4    | 29sq (spec. c/s)  | 12-16         |
| 4052  | F-16C         | 31.BLT               | 11-16    | ZK352/352       | Typhoon FGR4    | 29sq              | 12-16         |
|   |               |                      |          | G-BYXM          | Tutor T1        | 115sq (spec. c/s) | 12-16         |
|   |               |                      |          | G-BYZZ          | Tutor T1        | 115sq (spec. c/s) | 12-16         |

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|                    |               |                         |                    |                  |                |                                    |                 |
|--------------------|---------------|-------------------------|--------------------|------------------|----------------|------------------------------------|-----------------|
| LN-DHY             | Vampire FB6   | Norwegian AFHS as VZ305 | 16                 | G-LFVC           | Spitfire LF.Vc | as G891/T-B                        |                 |
| LN-DHZ             | Vampire T55   | Norwegian AFHS as WZ447 | 16                 | N351MX           | P-51D          | as 413305/WR-Z                     |                 |
| <u>Flying only</u> |               |                         |                    |                  |                |                                    |                 |
| 13.11-0058         | CV-22B        | 7th SOS                 | Knife71            | <u>Visitors:</u> |                |                                    |                 |
| 14.82-1068/WM      | B-2A          | 509th BW                | Mytee21            | 06.96-0002       | C-17A          | 437th AW                           | RCH527          |
| 92-0364/LN         | F-15E         | 48thFW                  | Strong11           | 10-0218          | C-17A          | 62nd AW                            | RCH304          |
| 97-0219/LN         | F-15E         | 48th FW                 | Strong12           | 10.5836/61-PO    | C-130J-30      | ET02.061                           | CTM2054         |
| G-AWYI             | BE.2c         | replica                 | as 687             | 15               | Br1150         | 21F                                | 11 FNY5115      |
| G-BDWJ             | SE.5A         | replica                 | as F8010/Z         | T.21-08/35-46    | C-295M         | Ala35                              | AME3584         |
| G-BNPV             | Junckers CL1  |                         | as 1801/18         | 84007/847        | Tp84           | TSFE                               | SVF828          |
| G-BUOD             | SE.5A         | replica                 | as B595/W          | 11.MM62177/46-42 |                | C-130J                             |                 |
| G-CCBN             | SE.5A         | replica                 | as 80105/19        | 46°BA            | 12 IAM4671     |                                    |                 |
| G-CDXR             | Fokker Dr.1   | replica                 | as 403/17          | 58-0110          | KC-135R        | 101Filo                            | 12 TAF11        |
| G-CFHY             | Fokker Dr.1   | replica                 | as 556/17          | 12.T-729         | Beech 1900D    | LTdB                               | SUI525          |
| G-LFVC             | Spitfire LFVc |                         | as JG891/T-B       | 93-0604          | C-17A          | 89th AS AFRC                       |                 |
| N351MX             | P-51D         |                         | as 413305/WR-Z     | CC-2             | C-295M         | TukiLv                             | FNF272          |
| ZA607/EB-X         | Tornado GR4   | 9/31sq                  | Gibson             | MM62159          | P-180AM        | RSV                                | 16 IAM0102/0122 |
| ZJ914/914          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | MM62223/46-88    |                | C-27J                              |                 |
| ZJ920/920          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | 46°BA            | IAM4689        |                                    |                 |
| ZJ939/939          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | T.21-13/35-51    | C-295M         | Ala35                              | 13 AME3540      |
| ZJ942/942          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | 13.XW217         | Puma HC2       | Benson Wg                          | 14 Warlock2     |
| ZK316/316          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | G-OWTN           | ERJ145         | BAE Systems (Corporate Air Travel) |                 |
| ZK331/331          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | G-RVCH           | RV-8           | Whitearrow Associates              |                 |
| ZK342/342          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | F-GITZ           | AG-5B          | Orion Aviation                     |                 |
| ZK346/346          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | G-ROON           | S-76C          | Cardinal Helicopter Services       |                 |
| ZK353/353          | Typhoon FGR4  | 29sq                    | 1-9 Diamond 9 form | G-PERX           | AS355NP        | Helicopter Services                |                 |
| ZM145              | F-35B         | 617sq                   | Gibson             | SE-RKL           | G550           | SAAB                               |                 |
| 15.ZD792/100       | Tornado GR4   | 9/31sq                  | Gibson             | G-CHSU           | EC135T1        | 2 Excel Aviation                   |                 |
| ZJ914/914          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | G-XXEB           | S-76C          | The Queen's Helicopter Flight      |                 |
| ZJ916/916          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | OE-AGT           | G-120GT        | Grob Training Academy              |                 |
| ZK304/304          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | N51AH            | PA-32R-301     |                                    |                 |
| ZK312/312          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | 14.GZ100         | A-109SP        | 32(TR)sq                           | RRR1303         |
| ZK342/342          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | ZM504            | Juno HT1       | DHFS                               | Shawbury23      |
| ZK353/353          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | 11-0058          | CV-22B         | 7th SOS                            | Knife71         |
| ZK354/354          | Typhoon FGR4  | 29sq                    | Diamond 9 form     | G-AHAG           | DH89A          | Scillonia Airways                  |                 |
| ZK381/381          | Typhoon T3    | 29sq                    | Diamond 9 form     | 15.ZM504         | Juno HT1       | DHFS                               | Shawbury23      |
| ZK383/383          | Typhoon T3    | 29sq                    | Diamond 9 form     | CD-01            | Falcon 900B    | 21sm                               | BAF611          |
| ZM145              | F-35B         | 617sq                   | Gibson             | T-784            | Ce560XL        | LTDB                               | SUI042          |
| G-AWYI             | BE.2c         | replica                 | as 687             | G-DIDO           | A109E          | Castle Air                         |                 |
| G-BDWJ             | SE.5A         | replica                 | as F8010/Z         | 16.0455          | C-295M         | 241.dl                             | CEF663          |
| G-BNPV             | Junckers CL.1 | replica                 | as 1801/18         | CC-2             | C-295M         | TukiLv                             | FNF272          |
| G-BUOD             | SE.5A         | replica                 | as B595/W          | MM62177/46-42    |                | C-130J                             |                 |
| G-CCBN             | SE.5A         | replica                 | as 80105/19        | 46°BA            | IAM4671        |                                    |                 |
| G-CDXR             | Fokker Dr.1   | replica                 | as 403/17          | 84002/842        | Tp84           | TSFE                               | SVF829          |
| G-CFHY             | Fokker Dr.1   | replica                 | as 556/17          | T-729            | Beech 1900D    | LTdB                               | SUI525          |
|                    |               |                         |                    | T-21-12/35-50    | C-295M         | Ala35                              |                 |



TAROMs Boeing 737 YR-BGH showed up at the Bucharest International Air Show 2018 together with four Extra 300s of the Aeroclubul Romaniei: YR-EXB, YR-EWF, YR-EWA & YR-EXA. (Bucharest-Baneasa, 28 July 2018, Erik Sleutelberg)



Antonov 2 YR-PBJ of Aeroclubul Romaniei is used for parachute operations and skydiving. (Bucharest-Baneasa, 28 July 2018, Erik Sleutelberg)

|             |            |                   |              |                         |         |       |    |
|-------------|------------|-------------------|--------------|-------------------------|---------|-------|----|
| 62-3563     | KC-135R    | 101 Filo          | 17 TAF11     | 188741                  | CF-188  | 401sq | \$ |
| 17.ZM305    | Prefect T1 | 3FTS              | CWL53        | 188780                  | CF-188  | 410sq |    |
| 0010/F-RBAC | A400M      | ET01.061          | CTM2006      | 188923                  | CF-188B | 409sq |    |
| 18.97-0048  | C-17A      | nn                | RCH553       | 188916, 188917, 188918, | CF-188B | 410sq |    |
| 19.UR-82029 | An-124-100 | Antonov Des. Bur. | ADB279F/2479 | 188921, 188935, 188937  | CF-188B | 410sq |    |
|             |            |                   |              | 188928                  | CF-188B | 410sq | \$ |
|             |            |                   |              | 155204, 155206, 155209  | CT-155  | 419sq |    |
|             |            |                   |              | 155212, 155221          | CT-155  | 419sq |    |

On the 14th the display of the CV-22B was cancelled.

### Cold Lake, AL (Canada)

Air Show 21 July 2018

#### Static:

|                                |           |                        |                  |
|--------------------------------|-----------|------------------------|------------------|
| 114042                         | CT-114    | AETE                   |                  |
| 115457                         | CC-115    | 442sq                  |                  |
| 12417                          | CH-124A   | 443sq                  | retro c/s '4017' |
| 146433                         | CH-146    | AETE                   |                  |
| 15003                          | CC-150    | 437sq                  |                  |
| 155217                         | CT-155    | 419sq                  | \$               |
| 155219                         | CT-155    | nn                     |                  |
| 156115                         | CT-156    | NFTC                   |                  |
| 188729/YO-A, 188753/YU-MCF-188 |           | 401sq                  |                  |
| 188731/YO-D                    | CF-188    | 401sq                  | \$               |
| 188735                         | CF-188    | AETE                   |                  |
| 188770                         | CF-188    | 409sq                  |                  |
| 188778                         | CF-188    | 409sq                  | \$               |
| 188785                         | CF-188    | 410sq                  |                  |
| 188925                         | CF-188B   | 410sq                  |                  |
| 60-0012/MT                     | B-52H     | 69th BS                |                  |
| 61-0280                        | KC-135R   | 336th ARS AFRC         |                  |
| 86-0011                        | C-5M      | 60th AMW               |                  |
| 84-0071                        | C-21A     | 458th AS               |                  |
| 80-0137/OK                     | E-3B      | 960th AACs             |                  |
| 78-0479                        | F-15C     | 123rd FS OR ANG        |                  |
| 86-0295/AK, 86-0351/AK         | F-16C     | 18th AGRS              |                  |
| 90-0846                        | F-16D     | 179th FS MN ANG        |                  |
| CF-WBS                         | T-6J      | ex FAP1740             |                  |
| N67823                         | N2S-3     | ex RCAF 07761          |                  |
| C-FYZR                         | CH-146    | KF Aviation, ex 146443 |                  |
| 'ML380'/LV-C                   | Spifire   | replica                |                  |
| 'V7287'/YO-Y                   | Hurricane | replica                |                  |

#### Flightlines

|                        |         |                   |    |
|------------------------|---------|-------------------|----|
| 130612                 | CC-130J | 436sq             |    |
| 188776                 | CF-188  | 410sq             | \$ |
| 188795                 | CF-188  | 409sq             |    |
| 05-4090/AK, 07-4145/AK | F-22A   | 3rd WG            |    |
| N133HH                 | CT-133  | ex RCAF 21452     |    |
| N151AF                 | P-51D   | ex USAAF 45-11525 |    |

#### CT-114 of 431sq/Snowbirds:

114054/1, 114051/2, 114009/3, 114090/4, 114058/6  
114143/7, 114033/8, 114141/9, 114131/10, 114145/11

#### NORAD Demo – Airfield attack

|                  |        |                 |    |
|------------------|--------|-----------------|----|
| 78-0532          | F-15C  | 123rd FS OR ANG |    |
| 91-0347, 96-0081 | F-16C  | 179th FS MN ANG |    |
| 188734           | CF-188 | nmks            | \$ |

#### Hangars

|  |             |                         |    |
|--|-------------|-------------------------|----|
| 188761   | CF-188      | 410sq                   | \$ |
| 188927   | CF-188B     | 410sq                   |    |
| C-FFTA   | Alpha Jet A | Top Aces (under repair) |    |
| Alpha Jet A of Top Aces:                                   |             |                         |    |
| C-FSTA/046, C-FOTA/072, C-GYTO/082, C-FHTO/104, C-GNTA/148 |             |                         |    |

#### TAC Ramp:

|        |        |       |
|--------|--------|-------|
| 146403 | CH-146 | AETE  |
| 177703 | CC-177 | 429sq |

### Bucharest/Aurel Vlaicu (Baneasa)

BIAS 2018 27-28 July 2018  
This year's Bucharest International Air Show was held on Saturday 28 July, with rehearsals and arrivals mainly on the preceding Friday. Unlike in previous years, registration in advance as either a spotter or member of the press was required to be admitted to the field on Friday. Those enjoying this privilege were asked to leave again around 4.30pm but rehearsals went on for another two hours or so, with some movements even later. The main attraction for 'westerners' are obviously the aircraft of the *Fortele Aeriene ale Romaniei* or Romanian Air Force. Two crashes of jets flying out of Borcea shortly before BIAS, among which the tragic crash of a MiG-21 LanceR during the open house, meant there were no flying Lancers and no IAR99s at Baneasa this year.

The static show is basically fenced off but with most fences too close to the aircraft to allow photography by standards we like to use. Obviously, rehearsal and arrival day is the best day to get decent shots of these planes. The flying display can be photographed reasonably well, with a long crowd line along the taxiway and a special enclosure for the more serious photographer (again, registration required). Traditionally, the Aeroclub of Romania plays a prominent role as a breeding ground for aviators, and therefore also in BIAS. The majority of light aircraft in the flying display are operated by this organisation but only when "Aeroclubul Romaniei" titles are actually carried they are mentioned here.

#### Static

|               |                   |                   |
|---------------|-------------------|-------------------|
| 1125/RE-25    | S105Ö             | Düsentrainertafel |
| 31+01, 31+05  | EF2000            | TLG31             |
| 509           | Mirage2000-5BG nb |                   |
| MM55092/36-62 | TF-2000A          | 936° GEA          |

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This Beech 18 with serial number 4383 was built in 1943 and designated as an AT-7C and bought new by the United States Army Air Corps as a navigation trainer. The airplane was reregistered as N9109R in 1959 and purchased by Younkin Airshows in 2000. After an intensive restoration, N9109R was pressed into airshow service. (Oshkosh (WI), 24 July 2018, Ad Jan Altevoigt)



This 1943-built C-47 was delivered to the US Army as 43-49483 and transferred to the Royal Air Force as KK160. In 1987 it was bought by Basler which converted the aircraft in 1998 to a BT-67. Since 2017 it sports this new green/white livery. (Oshkosh (WI), 25 July 2018, Ad Jan Altevoigt)



N222FJ is the prototype and only V-Jet II aircraft. It was designed and built by Burt Rutan's Scaled Composites for Williams International. Eclipse Aviation obtained the aircraft and was donated to the Experimental Aircraft Association AirVenture museum in Oshkosh, Wisconsin in 2001. (Oshkosh (WI), 24 July 2018, Ad Jan Altevoigt)



Vultee BT-13 N54822 was finally restored to its original condition in May 2018. After performing at the Oshkosh 2018 edition, the aircraft was donated to the Planes of Fame museum in Chio. (Oshkosh, 27 July 2018, Ad Jan Altevogt)

|                        |               |                          |                        |             |                         |
|------------------------|---------------|--------------------------|------------------------|-------------|-------------------------|
| LX-N90453              | E-3A          | NAEW&CF                  | 18, 38, 40, 42         | Iak-52      | S.A.p.F.A.              |
| 014                    | C295M         | 8.BLTr                   | D-HSDM                 | Bo105C      | Flying Bulls            |
| 2707                   | C-27          | Esc.902                  | LY-LJK                 | Su-31       | Jurgis Kairys           |
| 1612                   | F-16BM        | Esc. 53                  | LY-WAA, LY-WAW         | Yak-52TW    | Iacarii Acrobati        |
| 65                     | IAR330L SOCAT | Esc.713                  | N185YK                 | Yak-52TW    | Iacarii Acrobati        |
| 071                    | Lancer-B      | Esc.711                  | N6123C                 | B-25J       | Flying Bulls            |
| 6840                   | Lancer-C      | Esc.711                  | OE-ESA                 | T-28B       | Flying Bulls as 138179  |
| 730                    | Mi-8PS        | Insp.General de Aviatie  | OE-FAS, OE-FRB         | Alpha Jet A | Flying Bulls            |
| T.21-10/35-48          | C295M         | Ala 35                   | YR-3930/1, YR-3940/2   | IS-32       | The White Wings         |
| 84-0028/MA, 86-0158/MA | F-15C         | 131st FS MA ANG          | YR-BNM, YR-BNN         | BN-2A-27    | CPPAC                   |
| 16-20914               | UH-60M        | 3-4th AVN                | YR-BNR                 | BN-2A-27    | CPPAC                   |
| (TZ-BSC)               | BAe111-488GH  | 'Romania 100 years' pres | YR-BVF, YR-BVJ, YR-BVK | IAR-46S     |                         |
| YR-AND                 | PA-31P-350    | Regional Air Services    | YR-EWA, YR-EWE         | EA300L      | Romanian Aerobatic Team |

Luckily, at least there were two Lancers present in different smart colour schemes. The Austrian Saab still has a 'tiger tail' and ditto stylized code. There were some more light aircraft on static display that Scramble does not cover.

Static in hangar

|        |        |                         |
|--------|--------|-------------------------|
| YR-EWE | EA300L | Romanian Aerobatic Team |
| YR-ZEA | Z142   |                         |

Flying only

|              |               |         |    |
|--------------|---------------|---------|----|
| 2703         | C-27          | Esc.902 | 28 |
| 2704         | C-27          | Esc.902 | 27 |
| 1604         | F-16AM        | Esc. 53 | 27 |
| 1605         | F-16AM        | Esc. 53 |    |
| 1607, 1608   | F-16AM        | Ecs 53  | 28 |
| 1609         | F-16AM        | Esc. 53 |    |
| 1611         | F-16BM        | Esc. 53 |    |
| 02           | IAR330M       | Esc.713 |    |
| 21, 40, 75   | IAR330M       | Esc.903 |    |
| 28, 38       | IAR330L SOCAT | Esc.952 |    |
| 41           | IAR330L SOCAT | Esc.713 | 27 |
| 46, 53       | IAR330L SOCAT | Esc.952 |    |
| 55           | IAR330L       | Esc.903 | 27 |
| 78, 101, 102 | IAR330L SOCAT | Esc.713 |    |
| YR-BGH       | B737-78J      | TAROM   | 28 |

The indication of days in the last column should be self-explanatory. Where no day is mentioned the aircraft flew on both days. The B737 performed in formation with four of the Extra 300s mentioned below. An unidentified RAF Typhoon made a single high pass on Friday.

Flying

|               |         |                      |
|---------------|---------|----------------------|
| 1140/BJ-40 bl | S105OE  | Düsentrainertstaffel |
| 9237          | JAS39C  | 211.tl               |
| 39            | JAS39C  | MH 59. Sz.D. REB     |
| C.15-31/15-18 | EF-18M  | Ala 15               |
| 6166          | C-130B  | Esc.901              |
| 53, 72        | IAR316B | S.A.p.F.A.           |

|                        |         |                              |
|------------------------|---------|------------------------------|
| YR-EWA, YR-EWE         | EA300L  | Romanian Aerobatic Team      |
| YR-EWF/7, YR-EWI/3     | EA300L  | Romanian Aerobatic Team      |
| YR-EXA/6, YR-EXB/1     | EA300SC | Romanian Aerobatic Team      |
| YR-MDT                 | P2006T  | Scoala Superior. Aviat. Civ. |
| YR-PBJ                 | An-2P   | Aeroclubul Romaniei          |
| YR-PBT, YR-PBU         | An-2T   | Aeroclubul Romaniei          |
| YR-PMW                 | An-2R   |                              |
| YR-VIS, YR-VLE         | PZL-104 |                              |
| YR-ZAJ                 | Z526    |                              |
| YR-ZCC, YR-ZCE, YR-ZCF | Z142    | Aeroclubul Romaniei          |
| YR-ZCG, YR-ZCK         | Z142    |                              |
| YR-ZCM                 | Z142    | Aeroclubul Romaniei          |

TS-11-bis DF of 41.BL.Sz/Bialo-Czerwone Iskry

2011/1, 2008/2, 2009/3, 2006/6, 2007/7, 2013/10

NF-5A-2000 of 134 Filo/Türk Yıldizlari

70-3004/3, 70-3023/7, 70-3025/5, 71-3049/6, 71-3052/2

NF-5B-2000 of 134 Filo/Türk Yıldizlari

71-4013/4, 71-4021/1

Antonov 2 YR-PMW was all white on Friday and appeared with a Romanian colour-cheat line and a large 'Skydiving' badge on Saturday. The three aeroclub Antonovs were carrying parachutists.

Flightline

|               |        |        |
|---------------|--------|--------|
| C.15-35/15-22 | EF-18M | Ala 15 |
|---------------|--------|--------|

Elsewhere

|      |          |                         |    |
|------|----------|-------------------------|----|
| 0455 | C295M    | 242.tsl                 | 27 |
| 290  | EC135P2  | Insp.General de Aviatie | 27 |
| 346  | EC135T2  | SMURD                   | 27 |
| 108  | Mi-17-1V | Insp.General de Aviatie | 26 |

The Czech CASA visited on Friday for support. The helicopters were seen flying to their spots on the northern perimeter of the field. There are a number of retired airliners stored on the field, including a row of MD-82s and a 727 that were visible from the static. Of the MDs, I-DAWW, YR-MDR and YR-MDS could be easily read off. On Friday it was possible to reach a few overgrown, derelict fighters as well.

## Friedrichshafen(Germany)

| Do-Days 2018    |                      | 11 August 2018                |
|-----------------|----------------------|-------------------------------|
| 85+04           | CH-53GA              | HSG 64                        |
| D-CIDO          | Do24 ATT             |                               |
| D-CDLH "D-AQUI" | Ju 52/3m             | Lufthansa Berlin-Stiftung     |
| D-EBAT          | Do27A-5              | ex 57+23                      |
| D-EBID          | PA-18-95             |                               |
| D-EBUB          | Ce170B               |                               |
| D-ECUC          | Aeronca 7AC Champion |                               |
| D-EDCV          | Do27B-5              | ex 56+82                      |
| D-EDIU          | Bo208C Junior        |                               |
| D-EDMA          | Do27B-5              | ex 56+88                      |
| D-EDNU          | Do27B-3              | Lufthansa Berlin-Stiftung     |
| D-EEPN          | Do27B-5              | ex 56+87                      |
| D-EFEM          | SV4B                 | Armée de l' Air c/s,          |
| D-EFFB          | Do27A-1              | ex 56+04                      |
| D-EKAB          | PA-18-135            |                               |
| D-ELLM          | Nord 1002            | Bf 108 Luftwaffe c/s + mks    |
| D-EMIH          | Do27Q-5              |                               |
| D-EOGE          | P.149D               | ex 91+04                      |
| D-EOZY          | Do27B-1              | ex 55+77                      |
| D-ESAE          | Ce172SP              | Aero Club Stuttgart e.V.      |
| D-EWHR          | PZL 104 Wilga 35     |                               |
| D-EZOR          | MS317                | Armée de l' Air, No 279/IU    |
| D-FMCA          | MH1521M              | Armée de l' Air, No 185/44-CA |
| D-HMMO          | R44 Raven II         | Bodensee-Helicopter           |
| G-TXAN          | AT-6D                | ex US Navy 51970              |
| LY-FUN          | Yak-52               | Russian AF c/s                |
| N29GV           | Christen Eagle II    |                               |
| N44JT           | Pitts S1S            |                               |
| N81JR           | Christen Eagle II    |                               |
| N99AK           | Pitts S1             |                               |
| N343NA          | T-28B                | ex US Navy 138343             |
| N3327K          | Swift GC1B           | under rebuilt                 |
| N6123C          | B-25J                | Flying Bulls                  |
| N68296          | PT-17                | SAAF c/s, 99,                 |
| NC17360         | Ryan STA             | Antique Aeroftyers            |
| OY-NCU          | Do328JET             | Sun-Air (BAW c/s)             |

### Dornier Museum:

|          |              |                         |
|----------|--------------|-------------------------|
| "01"     | Alpha Jet A  | rea ID 41+05            |
| 31+35    | G91R.3       | pres LeKG 43            |
| (57+45)  | Do27A-4      | unmarked, on playground |
| 58+85    | Do 28D-2     | pres                    |
| 61+04    | BR1150       | pres                    |
| 70+45    | UH-1D        | pres                    |
| 98+23    | Do34         | pres                    |
| „YA+101“ | Do29 V1      | real ID YD+101          |
| D-9530   | Do31E1       |                         |
| D-1103   | Merkur I (R) | Luft Hansa              |

|        |            |                       |
|--------|------------|-----------------------|
| D-BEJR | Do328JET   | Dornier               |
| D-CICE | 228-101    | AWI/Polar 4           |
| D-ICDO | 228-200    | Dornier               |
| D-IFNT | Do 128 TNT | Dornier               |
| D-ILPB | Do 28A-1   | ex CA+041             |
| EC-CHN | Do 27A-5   | ex Spain U.9-68/11-90 |
| N25    |            | Wal (R)               |

### Traffic FDH:

|        |                 |                        |
|--------|-----------------|------------------------|
| D-ACNE | CRJ900LR        | Lufthansa Regional     |
| D-ACNA | CRJ900LR        | Lufthansa Regional new |
| c/s    |                 |                        |
| D-AGEU | Boeing 737-75B  | Germania               |
| D-ASTB | Airbus A319-112 | Germania               |
| OK-SLX | Ce560XL         | Silesia Air            |
| TC-JHK | Boeing 737-8F2  | Turkish Airlines       |

### Parked FDH:

|        |            |                    |
|--------|------------|--------------------|
| OE-LIA | Dash 8-311 | basic Intersky c/s |
|--------|------------|--------------------|

### North side FDH - Deutsche Zeppelin Reederei (DZR):

|        |             |                       |
|--------|-------------|-----------------------|
| D-LZFN | Zeppelin NT | DZR, Europa-Park c/s  |
| D-LZZF | Zeppelin NT | DZR, Zeppelin CAT c/s |

## Vlissingen (Netherlands)

Resque Vlissingen 2018 15 August 2018

### Static:

|        |               |                      |
|--------|---------------|----------------------|
| 89+56  | Sea King Mk41 | MFG5                 |
| J-248  | F-16A         | travel exhibit       |
| G-MCGP | AW189         | HM Coastguard        |
| OO-NHV | SA365N3       | Noordzee Helikopters |
| PH-HVB | EC135         | ANWB - MAA           |
| PH-PXE | EC135P2+      | Nationale Politie    |

### Flying:

|        |               |              |
|--------|---------------|--------------|
| RS05   | Sea King Mk48 | 40sq         |
| D-664  | CH-47D        | 298sq        |
| PH-CGC | Do228-212     | Kustwacht    |
| G-EXTR | EA260         | Global Stars |
| G-IHHI | EA330SC       | Global Stars |
| G-TWOO | EA300         | Global Stars |
| PH-IIB | AT-16ND       | ex B-118     |
| PH-LSK | AT-16ND       | ex B-64      |

## Saarlouis (Germany)

60 years Saarlandbrigade 18 August 2018

|              |          |                     |
|--------------|----------|---------------------|
| 76+14, 76+15 | H145M    | HSG64               |
| 78+13        | NH90-TTH | HFWS                |
| 79+16        | NH90-TTH | THR30               |
| 50+64        | C-160D   | LTG63               |
| F-AVZM       | MD.2501  | ex France 105/62-SI |

These were flying from Saarbrücken airport.



Former Belgian Air Force Pembroke RM-1 is stored at Oshkosh for a long time and was photographed at the static during this year's airshow. (25 July 2018, Ad Jan Altevogt)

# Triptease



Skyhawk 147669/JY is officially registered as N135AT, but the civilian registration mark is not painted on the A-4L. The aircraft is listed on the web as restoration project. (Marana (AZ), 14 May 2018, Jeep Stoker)

## Civil trips

### Marana [AZ]

Pinal Airpark 14 may 2018  
09-72122 UH-72A 2-151st AVN

The Lakota was flying from the Army base, and from our database this is the unit where it should be operating with. However, its last noted date was from 2011, so an update would be welcome!

#### Destruction area:

|        |            |                       |
|--------|------------|-----------------------|
| 1x     | B777       | all white             |
| B-2060 | B777-2J6   | Air China (spec. c/s) |
| B-2065 | B777-2J6   | Air China             |
| N126DL | B767-332   | Delta Air Lines       |
| N137DL | B767-332   | Delta Air Lines       |
| N320GL | B737-76N   | GOL                   |
| N523US | B757-251   | Delta Air Lines       |
| N646DL | B757-232   | Delta Air Lines       |
| N764RD | B767-3Y0ER | ex Ryan Int. (a/w)    |
| XA-VIX | B737-3B7   | VivaAerobus           |

The two Air China aircraft and the VivaAerobus were on the so called death row. From all other aircraft were parts removed.

#### Stored:

|        |             |                           |
|--------|-------------|---------------------------|
| 2-MSII | B737-8H6    | Orix Aircraft Corp.       |
| 5N-HMB | B747-438    | MaxAir                    |
| B-2063 | B777-2J6    | Air China                 |
| D-AIHS | A340-642    | Lufthansa                 |
| N112FB | G-111       | Barron Aviation           |
| N116FB | G-111       | Barron Aviation           |
| N118FB | G-111       | Barron Aviation           |
| N119DL | B767-332    | Delta Air Lines           |
| N122FB | HU-16E      | Barron Aviation           |
| N129TW | B747-128    | TWA                       |
| N136DL | B737-332    | Delta Air Lines           |
| N217RJ | B747-236(F) | Bank of Utah (a/w)        |
| N243BA | B747SR-81   | Boeing Aircraft (ANA c/s) |
| N245BA | B747SR-81   | Boeing Aircraft (ANA c/s) |
| N263SG | B747-481    | Atlas Air                 |
| N316KA | B747-4B5    | Delta Air Lines           |
| N319KA | B747-4B5    | Delta Air Lines           |
| N322SG | B747-481    | Atlas Air                 |
| N324GL | B737-76N    | Delta Air Lines           |
| N3439F | B747-329F   | Aircraft 23439 Inc.       |

|        |             |                            |
|--------|-------------|----------------------------|
| N471EV | B747-273C   | Evergreen International    |
| N501US | B757-251    | Delta Air Lines            |
| N525US | B757-251    | Delta Air Lines            |
| N526UA | B757-222    | United Airlines            |
| N527US | B757-251    | Delta Air Lines            |
| N600NC | DHC-4A      | Odac LLC                   |
| N609DL | B757-232    | Delta Air Lines            |
| N617DL | B757-232    | Delta Air Lines            |
| N617US | B747-251F   | Northwest Airlines         |
| N618US | B747-251F   | Northwest Airlines         |
| N628SW | B737-3H4    | Southwest Airlines         |
| N649GT | B767-375ER  | Atlas Air                  |
| N650CS | B737-4H6    | Int. Aircraft Lease        |
| N657DL | B757-232    | Delta Air Lines            |
| N662GT | B767-31AER  | Atlas Air                  |
| N674US | B747-451    | Delta Airlines             |
| N73HK  | B737-2S9    | Wilmington Trust           |
| N779BA | B747-4B5(F) | Evergreen International    |
| N832BC | B737-8H6    | Boeing Capital Corp.       |
| N834RC | B737-8H6    | Boeing Capital Corp. (a/w) |
| N941AX | DC-9-31     | Airborne Express c/s       |
| OE-IER | A330-243    | HKAC (a/w) all white       |
| OE-IFJ | A330-223F   | DVB Bank (RJA titles)      |
| PR-GIM | B737-73V    | GOL                        |
| PR-GOV | B737-76N    | GOL                        |
| XA-VIK | B737-3L9    | VivaAerobus                |

The four Albatros aircraft registered to Barron Aviation were in Chalk's colours. The Austrian registered Airbus with Royal Jordanian titles was scheduled to become JY-IAH but was not taken up by the airline.

### Marana airfield

14 may 2018

#### Warbird restoration hangar and surroundings:

|               |       |                   |                |
|---------------|-------|-------------------|----------------|
| 142704        | TA-4B | US Navy           | body/tail part |
| 147070        | F-8H  | US Navy           | "AF-101"       |
| 147671        | A-4L  | US Marines        | "MB-11"        |
| 147675        | A-4C  | US Marines        | "ME-00"        |
| 147793        | A-4L  | ATW Aviation      | to N148AT      |
| 148649        | F-8H  | US Marines        | ex PHL 48659   |
| 149502/AF-512 | A-4L  | US Navy           |                |
| 149550/ND-313 | A-4C  | US Navy           | N224AT         |
| 149555/UX-6   | A-4L  | US Navy           | to N225AT      |
| 0-28698       |       |                   | tail part only |
| 147815/MB     | A-4L  | US Navy / Air Met |                |
| 149540/JY     | A-4L  | US Navy           |                |
| - / VA-204    | A-4   | US Navy           |                |
| - / AF-101    | A-4   | US Navy           |                |

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Delivered to Air France in 1976, this Boeing 747-100 was eventually acquired by Trans World Airlines in 1996 as N129TW. The aircraft was withdrawn from use and flown to Pinal Airpark (AZ) in January 1997. The aircraft is currently registered to Logistic Air, a short and long-term aircraft leasing company. (Marana, 14 May 2018, Jeep Stoker)

|   |                 |                    |                    |                                 |          |                             |
|---|-----------------|--------------------|--------------------|---------------------------------|----------|-----------------------------|
| - / VC-   | F-8             | US Navy            | body only          | <u>Central area</u>             |          |                             |
| - / MF-351  |                 |                    |                    | N950LL                          | TBM-900  | Renton Coil Spring Co.      |
| 1x  | B757            |                    | cockpit/front only | N995LP                          | EMB505   | Gemstone Aviation           |
| N2262Z/0658   | A-4C            | Fighting Classics  |                    | Tucson International Airport    |          | 14 may 2018                 |
| N28EV   | T-28B           | Evergreen Aviation |                    | 1603                            | F-16D    | Iraqi Air Force             |
| N390WW  | HA-200          | Plane fun          |                    | 1635                            | F-16C    | Iraqi Air Force             |
| The Fighting Classics Skyhawk is in Argentinian Armada colours. |                 |                    |                    | 85-1514/AZ                      | F-16D    | 195th FS                    |
| <u>North of the airfield</u>                                    |                 |                    |                    | 86-0296/AZ                      | F-16C    | 195th FS                    |
| 148502  | A-4L            | Navy               | N203AT             | 87-0299/AZ                      | F-16C    | 195th FS                    |
| 148573  | A-4L            | Navy               |                    | 87-0317/AZ                      | F-16C    | 195th FS                    |
| ...502  | A-4             | Navy               | front body only    | 87-0333/AZ                      | F-16C    | 195th FS                    |
| 145064/5G   | A-4C            | Navy               |                    | 89-2117/AZ                      | F-16CM   | 152nd FS                    |
| 147669/JY   | A-4L            | Navy               |                    | 90-0720/AZ                      | F-16CM   | 152nd FS                    |
| 149500/MB   | A-4L            | Navy               |                    | <u>Acscnt Aviation Services</u> |          |                             |
| 1x  | SNJ-5           |                    | body only          | 5N-BBM                          | B737-3H4 | MaxAir                      |
| N30LH   | Beech 2000      | Raytheon Aircraft  |                    | 5N-BKO                          | MD-83    | Afrijet Airlines            |
| N515JS  | Beech 2000      | Raytheon Aircraft  |                    | 5N-DMB                          | B737-3H4 | MaxAir                      |
| N6258U  | M20C            |                    |                    | 5N-MHM                          | B737-3H4 | MaxAir                      |
| N67034/150  | C-54            | Maricopa Aircraft  |                    | N232WF                          | A319-132 | R Airlines / Wells Fargo    |
| N67040/147  | C-54B-DC        | Maricopa Aircraft  |                    | N376SW                          | B737-3H4 | Southwest Airlines          |
| N6816D/109  | C-54D-DC        | Maricopa Aircraft  |                    | N378SW                          | B737-3H4 | Southwest Airlines          |
| N711RF  | Fonk Thorp T-18 |                    |                    | N614SW                          | B737-3H4 | Southwest Airlines          |
| N80232/LZ   | SP-2H           | Maricopa Aircraft  |                    | N627AC                          | B737-430 | Aircraft Engine Lease Fin.  |
| N8194S  | Beech 2000      | Raytheon Aircraft  |                    | N648SW                          | B737-3H4 | Southwest Airlines          |
| N8208S  | Beech-2000A     | Raytheon Aircraft  |                    | N732VA                          | B737-3T0 | Vision Airlines             |
| N96451/111  | C-54            | Maricopa Aircraft  |                    | N836RA                          | MD-83    | Arctic One LLC              |
|   |                 |                    |                    | N974AS                          | MD-83    | Aerothrust Holdings Leasing |

N6816D was USAAF 44-9142 and became N96361 in the civil register. On the 23 December 1986 a report was filed that the aircraft ditched in the Pacific Ocean, off Arlington (WA). However, it is a big doubt that this actually happened and that it may have been some kind of insurance scam.

5N-DMB was delivered on the 19th. It departed on the 18th and nightstopped in Shannon.

Credit: Jeep Stoker.



Manufactured as a C-54D-1-DC it was taken on strength with the United States Army Air Force with serial 42-72487. Central Air Service took delivery of the aircraft as N96451 in early 1990. Since April 1991 the aircraft has been stored at Marana. (14 May 2018, Jeep Stoker)

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# Baltic Air Policing

George Karavantos



*Two thirsty Danish Air Force Vipers slowly close in on their flying petrol station, somewhere over the Baltics. This beautiful air-to-air shot, like all the photos in this article, were taken on 28 March 2018 by the author, George Karavantos.*

The presence of Scramble/Dutch Aviation Society in the world of social media has paid dividends, with currently more than 40,000 followers on our Facebook page! This expansion happened quite rapidly, as only in June of this year we welcomed the 10,000th follower. His name is George Karavantos and he provided us with an overview of the latest duty change for the Baltic Air Policing mission (when the Danes took over), together with some really great pictures! Scramble added a short summary of all F-16s delivered to Denmark.

The Royal Danish Air Force took over the duties of the Baltic Air Policing (BAP) for the first quarter of 2018. BAP is assigned to the command of NIAMD (NATO Integrated Air and Missile Defence) succeeding the echelon of seven F-15Cs of USAF's 493rd EFS (Expeditionary Fighter Squadron).

All the Vipers belong to the only RDAF Fighter Wing which is based at Skrydstrup Air Base. Nowadays the wing has around forty F-16s that are still in service and is comprised of two squadrons, Esk 727 and Esk 730.

The RDAF was the second air arm that assumed its duties (taken over from the Belgian Air Force) of the Baltic Air Policing, when NATO started to offer aerial cover over the Northern countries on 1 July 2004. Since then, the RDAF has served again in 2009, 2011, 2013 and 2014. Due to the crisis in Crimea and the tension in the eastern Ukraine, NATO decided to double the number of aircraft in the region. Initially, Polish MiG-29s and British Typhoons were moved to Siauliai, while a second division started at Amari in Estonia.

The first Air Arm that arrived at the new location was once



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again the RDAF. Furthermore, another echelon of French Rafales were deployed to the Polish Air Base Malbork. This increased presence was continued for three periods, until September 2015. In 2018, the Danes performed their first real interception (Alpha Scramble) on 25 January 2018, when a Russian aircraft didn't comply with the ICAO regulations, without transmitting a valid transponder code or having a flight plan and not responding to the calls of the controllers. This unidentified aircraft was a military one that was subsequently escorted back to Russian airspace by the RDAF.

## Flyvevåbnet Vipers

The Royal Danish Air Force (Flyvevåbnet) was one of the first four air forces in Europe that became the first export customers for the Fighting Falcon in the late 1970s. The other countries were Belgium, the Netherlands and Norway, which formed the EPAF (European Participating Air Forces) in an attempt to replace their previous main aircraft, the F-104 Starfighter. This "partnership" might be able to carry on in the future, since two of these countries have already ordered and accepted the new JSF.

The first Danish order of the F-16 was the smallest among the EPAF. Initially there were 46 F-16As and twelve F-16Bs. These aircraft were delivered during a period of three years (1980 - 1983) in different Blocks (five Block 1, fifteen Block 5, eighteen Block 10 and twenty Block 15) and were all coming from the Belgian production line SABCA. The very first one, an F-16B Block 1, was delivered on 28 January 1980. All Block 1 and 5 Vipers were later upgraded to Block 10.

While the first F-16 order had already been delivered, the RDAF was already looking at the replacement of the Saab Draken that was used together with the Starfighter. Finally in August 1984, the Danish Department of Defence placed a second order for another twelve aircraft; eight single-seaters

and four two-seaters. These aircraft came from the Dutch production line at Fokker.

Despite the fact that all the delivered aircraft of the EPAF had the same production Block numbers, they do show some small differences. For example the Danish and the Norwegian F-16s are equipped with an identification search light on the starboard side for night interceptions. Next to that, the Danish F-16s were the only ones that are not equipped with the braking chute in the tail fin.

The RDAF also took part in the MLU (Mid-Life Update) upgrade programme, which included structural reconstruction under the name PACER SLIP, that added another 5,000 flight hours to each Viper. The aircraft that were upgraded were 24 F-16A Block 10s and 24 F-16A Block 15s, along with five F-16B Block 10s and eight F-16B Block 15s.

Below we show you an overview of all RDAF F-16s and their current or latest state.

### Active (44x)

|       |         |        |                           |
|-------|---------|--------|---------------------------|
| E-004 | Esk 727 | F-16AM | <b>6F-47</b> aug17        |
| E-005 | Esk 727 | F-16AM | <b>6F-48</b> aug18        |
| E-006 | Esk 730 | F-16AM | <b>6F-49</b> aug18        |
| E-007 | Esk 727 | F-16AM | <b>6F-50</b> feb17        |
| E-008 | Esk 727 | F-16AM | <b>6F-51</b> aug17        |
| E-011 | Esk 727 | F-16AM | <b>M12-4/61-604</b> aug17 |
| E-016 | Esk 727 | F-16AM | <b>6F-52</b> jan16        |
| E-017 | Esk 727 | F-16AM | <b>6F-53</b> aug17        |
| E-018 | Esk 727 | F-16AM | <b>6F-54</b> jul18        |
| E-024 | Esk 727 | F-16AM | <b>M12-1/61-617</b> aug18 |
| E-074 | Esk 727 | F-16AM | <b>M12-6/61-627</b> aug17 |
| E-075 | Esk 727 | F-16AM | <b>M12-2/61-628</b> aug18 |
| E-107 | Esk 727 | F-16AM | <b>M12-3/61-660</b> jan16 |
| E-189 | Esk 730 | F-16AM | <b>6F-16</b> jun14        |
| E-190 | Esk 730 | F-16AM | <b>6F-17</b> may18        |
| E-191 | Esk 730 | F-16AM | <b>6F-18</b> aug15        |
| E-194 | Esk 730 | F-16AM | <b>6F-21</b> jun16        |
| E-596 | Esk 730 | F-16AM | <b>6F-31</b> mar18        |



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|                         |             |             |                     |   |             |             |                          |
|-------------------------|-------------|-------------|---------------------|---|-------------|-------------|--------------------------|
| E-597                   | Esk 730     | F-16AM      | <b>6F-32</b> aug18  | E-179   | w/o 01apr85 | F-16A-05-CF | <b>6F-6</b>              |
| E-598                   | Esk 727     | F-16AM      | <b>6F-33</b> feb17  | E-180   | Aalborg     | F-16AM      | <b>6F-7</b> jun18        |
| E-599                   | Esk 727     | F-16AM      | <b>6F-34</b> feb17  | E-181   | scrapped    | F-16AM      | <b>6F-8</b>              |
| E-600                   | Esk 730     | F-16AM      | <b>6F-35</b> jun18  | E-182   | Skrydstrup  | F-16AM      | <b>6F-9</b> oct12        |
| E-601                   | Esk 730     | F-16AM      | <b>6F-36</b> jun18  | E-183   | scrapped    | F-16A-05-CF | <b>6F-10</b>             |
| E-602                   | Esk 730     | F-16AM      | <b>6F-37</b> aug17  | E-184   | Aalborg     | F-16AM      | <b>6F-11</b> oct12       |
| E-603                   | Esk 730     | F-16AM      | <b>6F-38</b> feb17  | E-185   | w/o 10dec87 | F-16A-05-CF | <b>6F-12</b>             |
| E-604                   | Esk 727     | F-16AM      | <b>6F-39</b> jun14  | E-186   | w/o 01apr85 | F-16A-05-CF | <b>6F-13</b>             |
| E-605                   | Esk 730     | F-16AM      | <b>6F-40</b> feb17  | E-187   | scrapped    | F-16AM      | <b>6F-14</b>             |
| E-606                   | Esk 730     | F-16AM      | <b>6F-41</b> aug18  | E-188   | Aalborg     | F-16AM      | <b>6F-15</b> oct12       |
| E-607                   | Esk 727     | F-16AM      | <b>6F-42</b> jul18  | E-192   | Aalborg     | F-16AM      | <b>6F-19</b> oct12       |
| E-608                   | Esk 727     | F-16AM      | <b>6F-43</b> jan16  | E-193   | Aalborg     | F-16AM      | <b>6F-20</b> oct12       |
| E-609                   | Esk 727     | F-16AM      | <b>6F-44</b> jun18  | E-195   | scrapped    | F-16AM      | <b>6F-22</b>             |
| E-610                   | Esk 730     | F-16AM      | <b>6F-45</b> sep17  | E-196   | Aalborg     | F-16AM      | <b>6F-23</b> oct12       |
| E-611                   | Esk 727     | F-16AM      | <b>6F-46</b> aug18  | E-197   | Aalborg     | F-16AM      | <b>6F-24</b> oct12       |
| ET-022                  | Esk 730     | F-16BM      | <b>6G-16</b> aug18  | E-198   | scrapped    | F-16AM      | <b>6F-25</b>             |
| ET-197                  | Esk 730     | F-16BM      | <b>6G-13</b> feb17  | E-199   | scrapped    | F-16AM      | <b>6F-26</b>             |
| ET-198                  | Esk 727     | F-16BM      | <b>6G-14</b> aug18  | E-200   | Skrydstrup  | F-16AM      | <b>6F-27</b> oct12       |
| ET-199                  | Esk 730     | F-16BM      | <b>6G-15</b> aug18  | E-201   | w/o 07dec87 | F-16A-10-CF | <b>6F-28</b>             |
| ET-207                  | Esk 727     | F-16BM      | <b>6G-4</b> jun14   | E-202   | Aalborg AB  | F-16AM      | <b>6F-29</b> oct12       |
| ET-208                  | Esk 730     | F-16BM      | <b>6G-5</b> may18   | E-203   | Skrydstrup  | F-16AM      | <b>6F-30</b> oct12       |
| ET-210                  | Esk 730     | F-16BM      | <b>6G-7</b> aug18   | ET-204  | Skrydstrup  | F-16BM      | <b>6G-1</b> jun16        |
| ET-612                  | Esk 727     | F-16BM      | <b>6G-9</b> jul17   | ET-205  | w/o 11dec96 | F-16B-01-CF | <b>6G-2</b>              |
| ET-613                  | Esk 727     | F-16BM      | <b>6G-10</b> feb17  | ET-206  | Skrydstrup  | F-16BM *)   | <b>6G-3</b> feb17        |
| ET-614                  | Esk 727     | F-16BM      | <b>6G-11</b> aug18  | ET-209  | w/o 19jun84 | F-16B-10-CF | <b>6G-6</b>              |
| ET-615                  | Esk 727     | F-16BM      | <b>6G-12</b> aug18  | ET-211  | w/o 19jun84 | F-16B-10-CF | <b>6G-8</b>              |
| <b>Non active (34x)</b> |             |             |                     | ET-626  | Aalborg     | F-16B-10-CF | <b>M16-1/62-68</b> oct12 |
| E-069                   | ntu         | F-16A-15-CF | <b>61-622</b>       | *) ET-206 crashed, only the forward fuselage is still in use as a sort of travel exhibit. |             |             |                          |
| E-070                   | w/o 27oct15 | F-16AM      | <b>M12-5/61-623</b> |   |             |             |                          |
| E-174                   | Stauning    | F-16AM      | <b>6F-1</b> jun16   |   |             |             |                          |
| E-175                   | w/o 05apr83 | F-16A-01-CF | <b>6F-2</b>         |   |             |             |                          |
| E-176                   | Helsingør   | F-16AM      | <b>6F-3</b> jun18   |   |             |             |                          |
| E-177                   | Skrydstrup  | F-16AM      | <b>6F-4</b> feb17   |   |             |             |                          |
| E-178                   | w/o 02apr01 | F-16A-05-CF | <b>6F-5</b>         |   |             |             |                          |

Credits: George Karavantos, Scramble database

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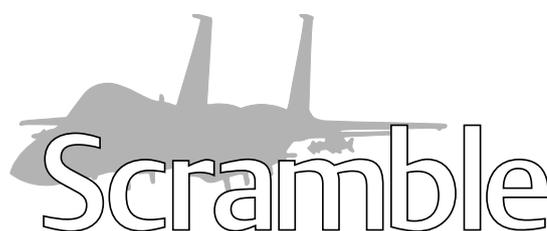
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*The Indian Air Force ordered a total of twelve C-130J-30s in December 2013. The majority of them are already operational with 77 and 87 Squadron. C-130J-30 KC-3807 was seen as supporting aircraft for the four Indian Air Force SU-30s at the Pitch Black 2018 Exercise. (Darwin, 1 August 2018, Hans van Herk)*



*The F-15SG is the Republic of Singapore Air Force variant of the F-15E and the Air Force participated with five F-15s in the Pitch Black 2018 exercise. Both Paya Lebar based squadrons were present and F-15SG 8312 of 149 Squadron was seen during landing at Darwin on the 2th of August 2018. (Hans van Herk)*



*KC-135R 753 provided tanker support during Pitch Black 2018. (Darwin, 2 August 2018, Hans van Herk)*



*Gulfstream IVSP N49RF is owned by the US Department of Commerce, but is operated for the NOAA. It is one of the aircraft NOAA flies during hurricanes to collect data for research and forecast (Oshkosh (WI), 24 July 2018, Fred Bronner)*



*UAE carrier Emirates is using this EMB500 Phenom100 A6-DWE for flight training. It is one of the five Phenoms used by the EFTA (Emirates Flight Training Academy) and painted in the company colours. It was delivered in June 2018 (Bradley Int'l AP (CT), 13 July 2018, Ad Jan Altevogt)*



*Like the other two private jets on this page also this aircraft, a Gulfstream G450, is not particularly used for transport of VIPs. The 2015 delivered HZ-MS4A is owned by the Saudi Arabian Ministry of Defence Aeromedical Evacuation (Cologne-Bonn, 22 June 2018, Walter Heukensfeld)*