



475

December 2018

Scramble



***HeliTech 2018
Army 2018 Kubinka
Escuela Aviación Naval Mexico***

DUTCH AVIATION SOCIETY



The oldest fly-worthy Boeing 747 made her last flight before retirement on 15 November. This 747-100 N747GE owned by General Electric (GE) has been donated to Pima Air Space Museum. The 1970 built 747 flew 21 years for Pan Am and from 1992 for GE as an engine testbed. (Davis-Monthan AFB (AZ), 15 November 2018, Frits Jongerman)



The Royal Thai Survey Department is a Special Services Group of the Royal Thai Armed Forces. The Beech 350 with registration N1134G was noted at Ostend 15 October on a multiple stop delivery flight coming from Keflavik, with Belgrade and Al Ain next stops and arriving at Bangkok on 18 October. Serial 93310 on the tail was taped over. (Ostend, 15 October 2018, Nik Deblauwe)



DRF-Deutsche Rettungsflugwacht owns a fleet of two Learjet 35s beside a number of helicopters. The 1990 built D-CCCB was first owned by Möllers Maschinenfabrik and since 2010 by DRF. (Amsterdam-Schiphol, 13 October 2018, Robert Eikelenboom)

Editorial

Again, as you have come to expect from us, we have 112 pages for your reading pleasure. Since this is the last issue to appear in 2018, the Scramble editorial team would like to wish all of you a very happy Christmas and a fun and exciting New Years Eve!

HeliTech 2018, held at Amsterdam from 16-18 October, was visited by Gert-Jan Mentink, our Warbirds editor, and he wrote a two-page article on it, which also partially was published on our social media (Scramble Facebook News and Twitter). Escuela de Aviación Naval is also a two-page article, this time featuring the 75-years celebration of the Mexican Naval Aviation School (Escuela de Aviación Naval, ESCAVNAV), which opened its doors on 9 October 2018 for a graduation ceremony. And of course nearly all sections are present, except the Wrecks & Relics.

What better way to start the New Year than visiting the Aviation Day 2018, which takes place on 5 January 2019! The ideal time to come together and wish your fellow aviation enthusiasts a happy New Year, visit the Air Fete and try to see if you can answer all questions during the Nederlandse Spotterskampioenschappen. Location is Skydeck Teuge, an excellent location with a museum housing some rarely seen aircraft (if the weather is in our favour they might even put some aircraft outside for pictures!), entrance is free and food and beverages are available onsite.

If you were paying attention we made a little slip of the keyboard in issue 474. On page 60 the published L-39 was of course a Slovakian one, not from Czechia as the text suggested. Thank you Matej Janák, the photographer, for the correction.

Cover Photo



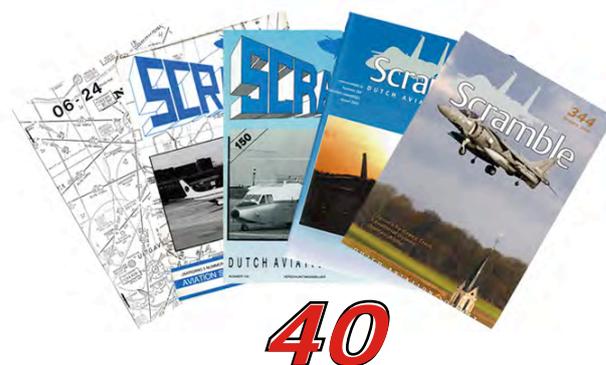
The arrival of MH-60R 168115 on 20 October even took Lelystad Airport by surprise as the helicopter had to stay airborne until the firebrigade was available. The helicopter was en-route from Karup to the Euronaval exhibition at Le Bourget. On 26 October people were better prepared on the return fuel stop. (Lelystad International Airport, 20 October 2018, Ronald Oost)

Important dates

Scramble 476
Deadline copy: 18 December 2018
Deadline photos: 25 December 2018
Planned publication date: 10 January 2019

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Scramble Military Transports 2017	87 pages
SMS Europe 2018	145 pages
SMS North America 2017-2018	191 pages
EMOOS 2018	783 pages

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Movements Netherlands



This Boeing 737 was ferried to Stockholm-Arlanda on 13 March 2014. Since that day it has been in service with TUI Nordic as SE-RFY. Not being a regular visitor it diverted to Amsterdam due to a medical emergency. (Amsterdam - Schiphol, 28 October 2018, Robert Eikelenboom)

Amsterdam

October 2018			
01. 9H-VFJ	CL-605	VistaJet Malta	02 VJT516
A7-BES	B777-3DZER	Qatar Airways	f/v QTR273/4
CS-TFO	Lj40	Omni Aviation	03 OAV303P/303
D-BOOK	Falcon 2000LX	Bertelsmann	dep BFD01K
D-BOOK	Falcon 2000LX	Bertelsmann	BFD65H
D-CANG	Ce560XLS+	Air Hamburg	dep AHO988E
D-CCWM	EMB505	MHS Aviation	03 MHV55W
D-CGAA	Ce560XLS+	Air Hamburg	AHO441C
D-CHLR	EMB505	Atlas Air Service	dep ATL9K
D-CSCA	Ce525B	Silver Cloud Air	04 SCR378
D-AVIB	ERJ135BJ	Air Hamburg	AHO974W
D-IMGW	Ce525A	Air Hamburg	02 AHO482X/929Y
EI-GSI	B737-8AS	Ryanair	f/v RYR3104/5
F-HBTV	Ce525	Aston Jet	ASJ172
G-HCSA	Ce525A	Bookajet	dep BOO874
G-HCSA	Ce525A	Bookajet	07 BOO874/7
LX-ALX	CL-350	Luxaviation	f/v 02 LXA25Z
LX-JFY	PC-12/47E	Jetfly Aviation	02 JFA61D/62D
LX-VMF	Ce560XL	Luxaviation	dep LXA15P
N200CH	Falcon 2000LX	Cardinal Health	dep
OO-XLS	Ce560XLS+	Air Service Liège	dep
OO-XLS	Ce560XLS+	Air Service Liège	05
XA-FEM	G550	Servicios Aereos	
02. 2235/FZ	AS332L1	EH03.067	03 CTM1360
9H-FGV	EMB500	Luxwing	LWG701/792
9H-VCG	CL-350	VistaJet Malta	03 VJT448
9H-VCK	CL-350	VistaJet Malta	03 VJT405
A7-BEO	B777-3DZER	Qatar Airways	f/v QTR273/4
B-16727	B777-35EER	Eva Air	f/v EVA075/6
D-AFAM	Global Express	FAI Airservice	03 IFA6471/25
D-CASH	EMB505	Air Hamburg	03 AHO778N/499Z
D-IADV	Ce551	MCH Holdings	
D-IDAS	EMB500	DAS Private Jets	
D-IPCH	Ce525A	Jetkontor	JKH32A
EC-KOL	Ce560XL	Gestair	03 GES121L
EI-GSH	B737-8AS	Ryanair	f/v RYR3104/5
F-HGLG	Lj75	Ixair	f/v 03
G-JZHM	B737-8MG	Jet 2 Holidays	f/v EXS205/6
LX-VMF	Ce560XL	Luxaviation	LXA15P
M-DMBP	Lj40	Ven Air	03
M-ONTE	P180	Scotia Aviation	dep
N1130B	Falcon 900LX	The Boler Company	03
OE-FNP	Ce510	GlobeAir	03 GAC367T/256U
OK-BII	Beech 400A	JetBee Czech	03 JBC517D/530A
VP-CBY	Falcon 7X	Wallen Global	
VT-CPA	G550	Poonawalla Aviation	04
03. 9H-JPC	ERJ135BJ	Air X Charter	04 AXY313/409
D-BANN	CL-300	SAP Systeme	04
D-IADV	Ce551	MCH Holdings	2x
D-ISLT	Ce525A	Sylt Air	04 AWU903/4
EI-GSJ	B737-8AS	Ryanair	f/v RYR3104/5
G-DRTE	B737-8K5	Jet 2	f/v EXS205/6
I-ZACK	Ce560	Comp Gen Rip.	04 EOA001
LX-JFN	PC-12/47	Jetfly Aviation	JFA14D/62F
N1TS	B737-7JY	First Virtual Air	
N625SC	Global 5000	Stryker	04
OK-BII	Beech 400A	JetBee Czech	JBC546A/B
T7-STK	Global 5000	S & K Bermuda	f/v
04. 9H-VCC	CL-350	VistaJet Malta	VJT425
D-IPVD	Ce525A	Transavia Flug	
EC-LPG	CRJ1000	Air Nostrum	ANE3304/2205
EI-FYI	B737-8	Norwegian	f/v IBK476/7
LX-JFY	PC-12/47E	Jetfly Aviation	JFA53B/15D
M-NTOS	Ce525C	Selementos	
N14EF	PA-46-350P		f/v
N707FJ	Falcon 900	Exxaero	dep
OO-ACO	Ce510	Air Service Liège	07
OO-SBA	A321-231	VLM Airlines (a/w)	f/v CND411P/411
OO-SBA	A321-231	VLM Airlines (a/w)	CND412/2P
OO-THA	B747-4HAERF	ASL Airl. Belgium	05 TAY910E
05. 9H-AVM	B757-23A	Jetmagic / U2	11 JMK410
C-GMCP	Lj45	Skyservice Aviation	06
D-BANN	CL-300	SAP Systeme	
D-BOOK	Falcon 2000LX	Bertelsmann	BFD05K/65H 2x
D-ICBA	Ce525A	ProAir	
D-ISLT	Ce525A	Sylt Air	07 AWU905/7
EC-HDS	B757-256	Privilege Style	06 VLG8306/5
EI-GXG	B737-8AS	Ryanair	f/v RYR3102/3
EI-GXH	B737-8AS	Ryanair	f/v RYR3100/1
G-EZRZ	A320-214	easyJet	f/v EZY2153/4
N14EF	PA-46-350P		
N860AA	G550	ALA Services	09
OE-FZE	Ce510	GlobeAir	GAC228B/020G
OE-GNP	Ce560XLS+	ABC Bedarfsflug	07
OE-GPS	Ce550	Tyrol Air Ambulance	TYW847S/848S
OE-GXL	Ce560XL	Speedwings	SPG023
OE-GXL	Ce560XL	Speedwings	07 SPG023
OE-IBM	ERJ135BJ	MJet	f/v 09 MJF601
OK-KUK	Ce510	Aero Partner	DFC605B
OK-VPI	G550	ABS Jets	07 ABP922/1
SX-DGM	ERJ135BJ	GainJet	GNJ21
T7-STK	Global 5000	S & K Bermuda	
VP-BRJ	G280	Mazal	06
ZS-KDR	Global Express	Fortune Air	dep
06. A7-BER	B777-3DZER	Qatar Airways	f/v QTR273/4
D-CCCA	Lj35A	Jet Executive	JEI262
D-CONE	Lj35A	Air Alliance Express	07 AYY105

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EI-GSK	B737-8AS	Ryanair	f/v RYR3006/7	ES-SAS	A320-214	Smartlynx Est. (a/w)	f/v EZY8875/6
G-GDFR	B737-8Z9	Jet 2	div EXS75EY/943D	G-JAGA	EMB505	Luxaviation UK	LNX70JG
G-JZHP	B737-8MG	Jet 2	f/v EXS042A/043A	N92FX	Global Express	Flexjet	11 LXJ92
N805TM	G650ER	Toyota Motor Sales USA	dep	N950LG	G-IVSP	Jack Ward	11
OE-FZB	Ce510	GlobeAir	GAC875M/228T	OO-ACO	Ce510	Air Service Liège	
SP-ENL	B737-8CX	Enter Air	ENT567H/568K	OY-RUR	ATR72-201	Danish Air Transp.	f/v DTR6332/992
TC-GVB	G-IV	Government of Turkey	f/v	T7-IVM	ERJ135BJ	Avcon Jet San Marino	f/v 13 VAJ81M
07.9H-ALL	Ce525A	Luxwing	LWG191/102	YU-PBB	Ce560XLS+	Air Pink	f/v
9H-CLG	CL-850	Air X Charter	AXY710/704	11.KAF342	C-17A	41sq	f/v 13 KAF3210
D-CHIC	EMB505	Air Hamburg	AHO347R	D-IADV	Ce551	MCH Holdings	2x
D-IEKU	Ce525A	Excellent Air	08 ECA2C	D-IEMO	Raytheon 390	Privateways	12 PWY471U/286P
D-IGWT	Ce525A	Sylt Air	AWU707	D-ISLT	Ce525A	Sylt Air	11 AWU911/2
D-ISAR	Raytheon 390	Euroflug Frenzel	08	G-HCSA	Ce525A	Bookajet	19 BOO875/9
G-HCSA	Ce525A	Bookajet	10 BOO877/5	N1RP	G550	Penske Jet	
G-KLNW	Ce510	Saxonair	SXN51D	N2E	G650ER		f/v
LN-SOV	Ce680	Sundt Air	MDT11	N805TM	G650ER	Toyota Motor Sales USA	28
N600JM	Falcon 900EX	Exec Jet Management	13 EJM600	OE-IFB	B747-4B5ERF	ASL Airlines	12 TAY914E
OH-JTZ	B737-73S	Jet Time	SAS2551/552	PH-GGX	B737-8EH	GOL	dep TRA051
OE-FPP	Ce510	GlobeAir	08 GAC299W/018F	TC-MLA	EMB550	Bonair	13
OE-GPS	Ce550	Tyrol Air Ambulance	TYW847S/848S	12.4X-EDE	B787-9	EI AI	f/v ELY337/8
08.D-IMGW	Ce525A	Air Hamburg	10 AHO618W/829Z	7T-VNF	Ce525A	Star Aviation	f/v 13
D-ISLT	Ce525A	Sylt Air	AWU908	C-GGLO	Global 5000	Skyservice Aviation	
F-HALG	Falcon 2000LX	AH Fleet Services		CS-TFR	Lj45XR	Omni Air	OAV304
G-JASS	Beech B200	Lyddair	f/v 10 LYD01C/D	CS-TFR	Lj45XR	Omni Air	15 OAV304P/304
M-SETT	Global 5000	Lodging 2020	09	D-AILN	A319-114	Lufthansa	DLH342/3
M-YSAI	Global 5000	Capital Investment	12	D-CCCB	Lj35A	Aero Dienst	13 ADN505/8
M-YULI	Global 6000	Bellon Aviation		D-CSCE	EMB505	Luxaviation Germany	13 LXG55CE
N599H	G550	Honeywell	f/v 10	D-IZZY	P180	AirGo	XGO1AM/1MD
N910RW	TBM-910	Redwood	09	D-ISLT	Ce525A	Sylt Air	13 AWU912/3
OE-FHK	Ce510	GlobeAir	09 GAC256V/340Y	EC-KXX	B747-4H6	Wamos	SLM3004/993
OK-XLS	Ce560XLS+	Silesia Air	SUA781/2	N151SD	G-IVSP	Exec Jet Management	f/v 13
OO-OCA	Beech 350	Air Service Liège		N515TJ	Beech 400A	Blackburn Int'l	arr
VP-BRJ	G280	Mazal		N1415N	G650ER	Gama Charters	f/v 13 TWY15
XA-GEN	ERJ135BJ	Taxi Aereo del Norte	11	OE-LUV	ERJ190BJ	IJM	14 IJM699
09.93/XL	TBM-700A	ET00.060	CTM1293	OO-XLS	Ce560XLS+	Air Service Liège	15
9A-DWA	Ce525A	Winair	10	OY-GFS	Falcon 2000LX	Air Alsie	MMD6600
A7-BFN	B777-FDZ	Qatar Cargo	f/v QTR8203/4	13.C-GNDN	G650	Skyservice Aviation	14 SYB5142/3
D-CKHG	Ce560XLS	Windose Air	QGA848N/849N	D-CTWO	Lj35A	Air Alliance Express	AYY108
D-ISAR	Raytheon 390	Euroflug Frenzel		EC-KXX	B747-4H6	Wamos	SLM994/3
D-ISLT	Ce525A	Sylt Air	10 AWU909/10	LY-FSK	BAe125-900XP	Classic Jet	LLT921/E
G-KLNW	Ce510	Saxonair	SXN51D	N708CK	B747-4B5BCF	Kalitta Air	f/v CKS207/8
LZ-ASO	P180	Aviostart	VSR902/3	N888RK	Ce525C	KOM Activity	
OE-FXE	Ce525A	Speedwings	SPG722	OE-FHA	Ce510	GlobeAir	14 GAC588N/319X
OK-VAN	EMB500	Aerotaxi	10 ITE551/570	OE-GTI	Ce525C	Porsche Air Service	14
OO-XLS	Ce560XLS+	Air Service Liège	12	OE-HLL	CL-300	IJM	IJM439
SP-CHE	HA-420	Jet Story	10 JDI42H	14.2-RBTS	Ce525B	Ortac	f/v 15 ORT106
10.9H-ALL	Ce525A	Luxwing	11 LWG101/191	4X-ABI	A320-232	Israir	f/v ELY5425/6
A6-HRS	B737-7E0	Dubai Air Wing	11 DUB4	9H-JPC	ERJ135BJ	Air X Charter	AXY1404/1430
C-GCDS	Global Express	Cirque du Soleil		9H-VCE	CL-350	VistaJet Malta	15 VJT474
D-AFAM	Global Express	FAI Airstervice	12 IFA6425	B-2480	B747-89L	Air China	f/v 16 CCA018
D-COBI	Ce560XLS	HTM Jet Service	HTM019	D-ABDT	A320-214	Eurowings(BER c/s)	f/v EWG7184/5
D-CRON	Ce560XLS	Silver Cloud Air	SCR762	D-CFAF	Lj60	FAI Rent a jet	IFA2738
D-ICBA	Ce525A	ProAir	11	D-CKHG	Ce560XLS	Windose Air	QGA441P/442P
D-ISAR	Raytheon 390	Euroflug Frenzel		D-ICBA	Ce525A	ProAir	
EC-MIG	B787-8	Air Europa	f/v AEA1091/8	D-IPCH	Ce525A	Jetkontor	15 JKH32A



Intended as a replacement of the aging Boeing 747-400 the -8 variant has not been the success Boeing hoped for, with only 47 passenger aircraft built. B-2480 is one of seven in service with Air China. (Amsterdam - Schiphol, 16 October 2018, Robert Eikelenboom)



Airbus VP-BWD was delivered to Aeroflot in 2003. The A320 was repainted with this special CSKA Moscow Football Club colour scheme in 2016. (Amsterdam - Schiphol, 3 October 2018, Robert Eikelenboom)

EC-KXN	B747-4H6	Wamos	SLM994/3	D-CAPB	Ce560	Aerowest	
M-EVAN	CL-300	Marcus Evans	20	D-CAWB	Ce680	Aerowest	19
N739MA	B737-8Q8	Transavia Airlines div	TRA5244/0071	D-CUUV	Ce560XLS+	DC Aviation	19 DCS711
OE-FHA	Ce510	GlobeAir	15 GAC319Y/588P	D-IPCH	Ce525A	Jetkontor	19 JKH32A
OK-GLF	G200	Éclair Aviation	15 ECC201/2	D-ISLT	Ce525A	Sylt Air	AWU919
OK-HDJ	HA-420	Aero Partner	f/v 15 DFC408B	EC-MJS	A330-243	Wamos Air	19 SLM993/4
YL-CSL	A220-300	Air Baltic	f/v BTI619/20	EC-MRR	Falcon 2000LX	Gestair	GES641R
15.9H-VCK	CL-350	VistaJet Malta	VJT405	G-XJET	Lj45XR	Capital Air Ambulance	EGL505
A6-BLU	B787-9	Etihad Airways	f/v ETD77/8	LX-VMF	Ce560XL	Luxaviation	22 LXA15P
CN-RGA	B747-428	Royal Air Maroc	tst RAM8820	N127GG	G-V	Exec Jet Management	19 EJM127
CS-LAM	Global 5000	Exec Jet Mgmt Europe	JME502M	N301JL	CL-300	Link Snacks	20
D-AILT	A319-114	Lufthansa	DLH2572/3	N712CK	B747-4B5F	Kalitta Air	f/v CKS207/8
D-CDOC	Lj45	Jetcall	JCL2	N904DS	Global Express	Dan Snyder	20
D-SCSE	EMB505	Luxaviation Germany	17 LXG55CE	19.4X-ECC	B777-258ER	EI AI	ELY337/8
D-IEKU	Ce525A	Excellent Air	16 ECA2C	9H-VCA	CL-350	VistaJet Malta	20 VJT401
D-IPCH	Ce525A	Jetkontor	JKH32A	CN-RGA	B747-428	Royal Air Maroc	dep RAM8731
EC-KXN	B747-4H6	Wamos	SLM994/303	D-CDOC	Lj45	Jetcall	20 JCL2
G-DCMT	EMB505	Centreline	f/v CLF634	D-CHDJ	Ce560XLS	Excellent Air	ECA61C/6C
G-LCYX	ERJ190SR	British Airways	16 CFE9750P	D-FLAT	PC-12/47E	Promancon	f/v 21
N26FE	CL-300	FedEx Express	f/v 17	F-HIPE	EMB505	Pan Europeenne	PEA301
OK-OBR	Ce510	Aero Partner	DFC334B	G-THFC	ERJ135BJ	Luxaviation UK	LNx60TC
OK-TVH	B737-8Q8	Travel Service	AIZ513/4	JY-BAH	B787-8	Royal Jordanan	RJA151/2
OO-SBA	A321-231	VLM Airlines (a/w)	CND202P/202	N587DZ	Falcon 900EX	Zeeco	
OO-SBA	A321-231	VLM Airlines (a/w)	CND201/201P	N889H	Falcon 900EX	Honeywell	22
16.D-CQAB	Lj45	Quick Air	QAJ1192	OO-JWB	PC-12/47E	Nextgen Aviation	
EC-MJS	A330-243	Wamos Air	17 SLM3006/993	OO-XLS	Ce560XLS+	Air Service Liège	21
F-GPKL	PA-46-350P	Le Moulin	f/v 18	SP-MBW	G280	Aircraft Mgmt & Cons	f/v 21 AMQ2W
F-GYPE	ERJ135LR	Pan Europeenne	17 PEA007	SX-ACP	A321-231	Olympus Airways	20 LLX9061/5061
OE-HCA	CL-300	Avag Air		VP-CTP	Global XRS	Empire Aviation	23
OK-JRT	Ce680	Travel Service	TVS5J/6J	20.4X-ICC	B747-412BCF	CAL (a/w)	div f/v ICL952
17.9H-BOO	CL-850	Air X Charter	19 AXY1803/1903	9H-ICE	A318-112	DC Aviation Malta	f/v 22 DCW1
9H-VCO	CL-350	VistaJet Malta	VJT449	A7-BEW	B777-3DZER	Qatar Airways	f/v QTR273/4
CS-EFF	Ce560XLS+	Masterjet	f/v LMJ634F	D-CDOC	Lj45	Jetcall	JCL2
D-CDDD	Ce560XLS+	DC Aviation	DCS713	D-CHDJ	Ce560XLS	Excellent Air	21 ECA92C/61C
D-CEEE	Ce560XLS	HTM Jet Service	18 HTM017	EC-MJS	A330-243	Wamos Air	21 SLM994/3005
D-IBJJ	Ce525A	Air Hamburg	AHO556D/283Z	G-SUEJ	EMB550	Saxonair	23 SXN50J
D-IMGW	Ce525A	Air Hamburg	AHO443E	HB-VRV	EMB500	Cinic	21
D-ISLT	Ce525A	Sylt Air	18 AWU917/8	N188J	Global 5000	Exec Jet Management	21 EJM188
EC-LBB	G200	Executive Airlines		PH-JFS	PC-12/45	Eurofilters	
ES-SAS	A320-214	Smartlynx Est. (a/w)	EZY8881/4	SX-ACP	A321-231	Olympus Airways	LLX382D/96SK
F-HSAS	Falcon 7X	Luxaviation France	18	21.G-HCSA	Ce525A	Bookajet	22 BOO879/880
G-SVRN	EMB500	Sovereign Bus. Jets	RHK93B/C	G-THFC	ERJ135BJ	Luxaviation UK	LNx60TC
LX-JCT	Ce525A	Global Jet Luxembourg	f/v SVW20JT	N56UH	G500	Talon Air	f/v 24 TFF904
LX-JFS	PC-12/47E	Jetfly Aviation	18 JFA65Q/66W	OK-PBT	Ce525A	Queen Air	QNR25A
M-FLYI	Ce525C	Avtrade		OK-SWF	B737-8	Smartwings	f/v LOT265/6
M-YNNS	G650	Jet Aviation	19	OO-XLS	Ce560XLS+	Air Service Liège	
N299MB	G-IVSP	SMB	18	P4-AND	Ce750	Avangard Aviation	22
SP-ATT	Beech 400A	Smart Aero Solutions	SAH48P	SX-ACP	A321-231	Olympus Airways	22 LLX5072/93TA
18.4X-ABS	A320-232	Israir (n/t)	f/v ELY5425/6	22.9A-DWA	Ce525A	Winair	24
9H-FOM	EMB500	Luxwing	LWG501/2	9H-OME	B737-505	Air X Charter	24 AXY2201/2409
9H-FOM	EMB500	Luxwing	21 LWG593/501	9H-OWL	CL-605	Comlux Aviation Malta	MLM101
9H-OJS	Global 6000	Ojets	f/v 22 EAU39S	A7-BEN	B777-3DZER	Qatar Airways	f/v QTR73/4

EC-HDS	B757-256	Privilege Style 23	PVG7995/LLX5021	26.100/ABP	TBM-700A	EAAT	FMY8035
EC-MMX	B787-8	Air Europa	AEA1093/4	4X-EDC	B787-9	EI AI	f/v ELY337/8
G-EZGY	A320-214	EasyJet	f/v EZY2153/4	9H-VJM	Global 6000	VistaJet Malta	f/v VJT857
G-GDFY	B737-86Q	Jet 2	24 EXS031E/033E	C-FEDG	CL-300	Skyservice Aviation	arr
G-HCSA	Ce525A	Bookajet	arr BOO880	CS-TOH	A330-223	TAP Air Portugal	TAP3396/9336
I-CNDG	Ce560XLS+	Sardinian Sky Service	26 SSR260	D-BEKY	Falcon 2000LX	BASF	
M-NTOS	Ce525C	Selementos		D-CFLY	Ce560XLS+	Air Hamburg	27 AHO914M
N600AR	G450	NorthHoldings	23	LY-MGC	B737-4Y0	Grand Cru AI (a/w)	27 LOT269/9010
N889H	Falcon 900EX	Honeywell	2x tst + dep	M-AVIR	Global 6000	TAG Aviation (UK)	27
OO-GLM	Ce680	Air Service Liège		N40D	G650ER	Dow DuPont	f/v
OY-JTT	B737-73S	Jet Time	SAS821/2	OE-FAT	Ce510	GlobeAir	GAC137M/026M
SE-RIN	Ce525A	H-Bird Aviation	23 ETI622L/623L	OO-GEE	PC-12/47E	Blue Sky Aviation	
SP-KCS	Ce560XLS	Jet Story	25 JDI30C	OY-JTS	B737-7K2	Jet Time	SAS547/8
SX-ACP	A321-231	Olympus Airways	LLX5012/9072	SE-MLL	DA42NG	Firmaflyget	f/v 28
23.D-CAWM	Ce560XLS+	Aerowest		27.9H-JAD	CL-850	Air X Charter	f/v AXY2712/3
D-CGAA	Ce560XLS+	Air Hamburg	24 AHO859P	D-CAWM	Ce560XLS+	Aerowest	
D-CHIC	EMB505	Air Hamburg	AHO985F	EC-MIG	B787-8	Air Europa	AEA1091/8
D-CNOC	Ce560XLS	Excellent Air	ECA92C	EC-MMX	B787-8	Air Europa	AEA1093/4
D-INOB	Ce525A	Atlas Air Service	ATL3Z	ET-ARK	B777-F60	Ethiopian Cargo	f/v ETH3713
EC-HDS	B757-256	Privilege Style	LLX5022/1	F-GZTD	B737-73V	ASL Airlines France	FPO811F/811
EC-HDS	B757-256	Privilege Style 24	LLX5022/PVG7996	HB-JJM	A320-214	Edelweiss	f/v SWR734/5
EC-KRN	G200	Executive Airlines	JME210N	JY-BAA	B787-8	Royal Jordanian	RJA151/2
G-GDFP	B737-8Z9	Jet 2	25 EXS32E/31E	LX-VMF	Ce560XL	Luxaviation	arr LXA15P
LX-LXL	Falcon 900LX	Global Jet Luxembourg	SVW51XL	LY-PGC	B737-4S3	GetJet (a/w)	28 LOT269/70
M-INTY	G280	Hampshire Aviation		M-FALC	Falcon 7X	Premier Falcon	
OK-PBK	Ce525B	Queen Air	QNR25B	OE-GCG	Ce560XL	Goldeck Flug	29 GDK27CG/29CG
YU-PMK	Ce560XLS+	Air Pink		OO-JDL	B787-8	TUI Belgium	JAF552/623
24.9H-VJG	Global 6000	VistaJet Malta	VJT796	OO-LOE	B787-8	TUI Belgium	JAF528/601
D-CGAA	Ce560XLS+	Air Hamburg	25 AHO859P/565C	TF-ICU	B737-8	Icelandair	f/v ICE506/7
ES-SAS	A320-214	Smartlynx Est. (a/w)	EZY8881/4	28.V-11	G-IV	334sq	29 NAF11
HB-JCK	A220-300	Swiss	f/v SWR734/5	D-CAWM	Ce560XLS+	Aerowest	29
JY-BAA	B787-8	Royal Jordanian	f/v RJA151/2	D-IEKU	Ce525A	Excellent Air	ECA2C
M-NTOS	Ce525C	Selementos		EC-KXN	B747-4H6	Wamos	29 JAF351P/351
N222LX	G-V	Trans Exec Air Service	25	G-JZHJ	B737-8MG	Jet 2	f/v EXS205/6
OE-GLS	Ce650	Tyrolean Jet Service	TJS556	G-UZHS	A320-251N	EasyJet	f/v EZY2157/8
OO-JWB	PC-12/47E	Nextgen Aviation		LN-LNV	B787-9	Norwegian	f/v NAX7700/1
OO-THB	B747-4HAERF	ASL Airl. Belgium	25 TAY911E	LY-PGC	B737-4S3	GetJet (a/w)	29 LOT269/70
OY-JJB	Do328-310	Sundt Air	SUS823/9123	M-IFFY	Ce510	Xead Aviation	30
S5-TSV	Falcon 50EX	Elit'avia	arr EAV52V	N155AN	G550	Nissan North America	30
25.156/ABT	TBM-700B	EAAT	FMY8046	N264C	Falcon 900LX	Int'l Aviation Holdings	arr
4X-EKJ	B737-85P	EI AI	div ELY333/2	N370Z	G280	Nissan North America	30
D-AGBH	Falcon 7X	Volkswagen	f/v WGT8H	OE-FAT	Ce510	GlobeAir	29 GAC430N/329N
D-CFIV	Lj35A	Air Alliance Express	AYY118	OE-IEN	Falcon 2000EX	Global Jet Austria	GLJ93EN
D-IEKU	Ce525A	Excellent Air	ECA2C	OO-JDL	B787-8	TUI Belgium	JAF624/177
EI-GXI	B737-8AS	Ryanair	f/v RYR3100/1	OO-LOE	B787-8	TUI Belgium	JAF602/113
G-ZNTJ	Lj75	Zenith Aviation	f/v BZE03B/C	OO-TUX	B737-86N	TUI Belgium	JAF699/TFL193P
LY-PGC	B737-4S3	GetJet (a/w)	27 LOT269/70	OO-TUX	B737-86N	TUI Belgium	JAF194/229P
N850TR	Global Express	Tony Robbins Productions		SE-RFY	B737-8K5	TUI Nordic	div f/v BLX605
N900KS	G650ER	Exec Jet Mgmt	f/v 27 EJM650	29.V-11	G-IV	334sq	NAF11
OE-FGK	Ce525	Salzburg Jet Aviation	MOZ331	C-FLSW	B737-8HX	TUI Netherlands	dep TFL097
OE-FZA	Ce510	GlobeAir	26 GAC003D/992E	C-FTOH	B737-8HX	TUI Netherlands	dep TFL095
OE-GTE	Ce560XLS+	Porsche Air Service	26	D-AGBA	Falcon 8X	Volkswagen	f/v WGT1A
OE-IEL	Global Express	Tyrolean Jet Service	TJS29	D-BOOK	Falcon 2000LX	Bertelsmann	BFD29K65H 2x
SE-RON	A320-251N	Scandinavian	f/v SAS1553/556	D-CTRI	Lj35A	Air Alliance Express	AYY112



In 2017 famous band U2 had leased the JetMagic Boeing 757 during their "The Joshua Tree 2017" tour. For the 2018 the "eXPERIENCE + iNNOCENCE"-tour the band used 9H-AVM again. JetMagic has been operating this Boeing 757 since October 2013. (Amsterdam - Schiphol, 8 October 2018, Robert Eikelenboom)

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This Dash 8 was delivered to FlyBe in January 2005 as G-JECG. It was withdrawn from use in September 2017. Two months later it was ferried to Canada as C-FXIN. Destined for PassionAir it was registered 9G-MRH and ferried to Ghana, unfortunately in an all white colour scheme. (Rotterdam- The Hague, 30 October 2018, Maarten Visser Sr)

D-FLBW	PA-46-600TP		30
D-IEKU	Ce525A	Excellent Air	31 ECA2C
EC-MMY	B787-8	Air Europa	AEA1093/4
EI-CPG	A321-211	Aer Lingus	31 EIN610/991
ES-SAS	A320-214	Smartlynx Est. (a/w)	EZY8881/4
F-HPUR	BAe125-800XP	Valljet	30 VLJ797E
G-RNFR	CL-605	TAG Aviation (UK)	30 2x
LY-PGC	B737-4S3	GetJet (a/w)	30 LOT269/70
M-OVIE	G650	Hampshire Aviation	
N112MY	Global 6000	MP Air	30
N910RW	TBM-910	Redwood	31
OE-FCB	Ce510	GlobeAir	30 GAC019Q/321Z
OE-FHA	Ce510	GlobeAir	GAC329P/433P
OE-IEN	Falcon 2000EX	Global Jet Austria	31 GLJ93EN
OE-IQB	A320-214	Eurowings	f/v EWG1834/5
OK-TVL	B737-8FN	Travel Service	AIZ511/2
OO-TUX	B737-86N	TUI Belgium	TFL230/421
OO-TUX	B737-86N	TUI Belgium	30 TFL422/551
OO-XLS	Ce560XLS+	Air Service Liège	arr
OY-RAB	Falcon 7X	Air Alsie	MMD5017
TC-JJI	B777-3F2ER	Turkish Airlines	THY1951/2
30.D-CPMI	Ce560XLS+	Papier Mettler	2x
D-ITIP	Ce525	Star Wings	STQ222
EC-MNS	B787-8	Air Europa	AEA1093/4
EI-DVE	A320-214	Aer Lingus	EIN636/1611
HB-IVJ	G200	ExecuJet Europe	31 VCN1
N151QS	Global 6000	NetJets	31
N168NW	G650ER	Joy Castle	f/v arr
N639M	Falcon 2000S	Motorola Solutions	f/v 31
N974FD	B757-2Y0F	FedEx Express	f/v FDX5188/7
OE-FHA	Ce510	GlobeAir	GAC322Q/019R
OO-TUX	B737-86N	TUI Belgium	31 TFL552/549
OY-RSE	PC-12/47E	Air Alsie	31
YU-FNR	Ce525	Eagle Express	EES330A/B
31.A6-ETG	B777-3FXER	Etihad Airways	f/v ETD77/8
D-ASPD	A321-211	Small Planet Airl. Germany	LLX29JT
D-IADV	Ce551	MCH Holdings	
G-LEAX	Ce560XLS	Luxaviation UK	LNx88AX
JY-BAC	B787-8	Royal Jordanian	f/v RJA151/2
LY-LGC	B737-382	Grand Cru Al (a/w)	f/v 01 LOT269/27M
M-AVIR	Global 6000	TAG Aviation (UK)	arr
N910JW	Falcon 900	SC Johnson & Son	arr
OE-GUN	Ce560XL	Sazlburg Jet Aviation	f/v MOZ561
OO-TUX	B737-86N	TUI Belgium	01TFL550/443
TC-TMO	Ce560XL	Kugu	
UR-GED	B767-33AER	Ukraine Int'l	f/v AUI101/2

The sole VLM Airlines (Brussels) Airbus A321 operated a flight for Corendon on the 4th. U2 arrived from Hamburg on the 5th using the Jetmagic Boeing 757. The first listed Jet2 flight on the 6th was on its way to Larnaca when it diverted to Amsterdam. After its summer lease to TUI Belgium the Smartlynx Airbus on the 10th was leased to easyJet. After lease

to Transavia the Boeing 737 on the 11th returned to Brazil and US departed to Italy. The Kuwaiti C-17 that had arrived on the 11th, departed on the 13th. The Premier of the State Council of the People's Republic of China visited the Netherlands from 14 till 16 October. The Transavia on the 14th diverted to Amsterdam with a technical issue while enroute to Rotterdam. VLM Airlines (Brussels) operated a flight for Corendon again on the 15th. The Royal Air Maroc Jumbo performed a test flight on that day. The Embraer on the 15th was on a maintenance visit. Olympus Airways operated a flight for Small Planet Airlines on the 19th. The Royal Air Maroc Boeing 747 departed after maintenance on that day. The Cargo Air Lines Boeing on the 20th was a Liège diversion. The Falcon on the 22nd performed two local test flights before departing to Zurich. The Jet2 on the 23rd was a maintenance visitor. The El Al on the 25th was a Brussels diversion. Due to a strike at Brussels Airport some TUI Belgium flights were operated via Amsterdam from the 27th. The TUI Nordic on the 28th was a medical diversion. The Aer lingus on the 29th developed a technical issue and was ferried back to Dublin two days later. The two Sunwing Boeing 737 aircraft leased to TUI Netherlands departed back to Canada on the 29th. The inaugural Dublin - Brussels service on the 30th was operated to Amsterdam instead due to an ongoing strike at Brussels.

Credits: Laurent ten Hoopen (SBS), DSML, Scramble MB.

Rotterdam - The Hague

			October 2018
01.FAB-001	Falcon 900EX	Escuadrón de E	dep
CS-GLG	Global 6000	NetJets Europe	dep NJE8NJ
D-CGRC	Lj35A	Jet Executive International	JEI313
EC-MPN	Ce525	Air Taxi & Charter Int'l	dep IBJ801A
G-CIXV	ERJ170LR	Eastern Airways	dep EZE013P
G-HCSA	Ce525A	Bookajet	dep BOO874
M-OEPL	Falcon 7X	Auburn Oak Nigeria	dep
PH-VBG	Falcon 2000EX	JetNetherlands	dep
02.9H-BBJ	B737-7BC	Privajet	03 PVJ173/5
9H-VCL	CL-350	VistaJet Malta	03 VJT417
CS-LAS	Ce680A	NetJets Europe	03 NJE188P/997L
F-GSLZ	Falcon 100	Harmong Jets	04 HMJ208
G-OTVR	PA-34-220T	Brinor International S&F	
N188W	G650	Alexier Limited	dep
OO-HEY	R44	Heli & Co	03
OO-VST	P2006T	Vansteelandt	
OY-JRY	ATR42-310	Danish Air Transport	DTR6151/0961
PH-TCN	P180	JetNetherlands	dep
PH-VBG	Falcon 2000EX	JetNetherlands	04
03.F-HSFJ	Ce680A	Aston Jet	ASJ947
LX-ONE	Lj45	Luxemb. Air Rescue	04 DUK1AMB
OO-HEY	R44	Heli & Co	

	PH-TCN	P180	JetNetherlands	06	F-HMPR	Ce525A	Rapido	11
04.	9H-BBJ	B737-7BC	Privajet	PVJ1775/0175	N1RP	G550	Penske Jet	
	CS-DUB	BAe125-750	NetJets Europe	05 NJE4AL	N599H	G550	Honeywell Flight Operations	11
	CS-DXF	Ce560XLS	NetJets Europe	NJE201F/6LC	N726BF	Global XRS	Aviation Consultants	
	D-CQAJ	Lj35A	Quick Air	QAJ1153	N888ZF	G550	General Avn Flying Svc	11 GTH888
	OE-GHB	Ce560XLS	Bertsch-Aviation		OE-FZE	Ce510	GlobeAir	11 GAC519S/653Y
	OO-OCA	Beech 350	Air Service Liège	08	OO-AMR	C-525A	Air Service Liège	
	OY-RUO	ATR42-500	Danish Air Transport	DTR961/6152	PH-TCN	P180	JetNetherlands	13
	PH-MFA	DA42NG	Martinair Lelystad		TC-REC	G450	REC Aviation	11
	XA-FEM	G550	Servicios Aereos Regiomontanos		11. D-CIFM	Ce560XLS+	IFM Traviation	
05.	D-CAWR	Ce560 Encore+	Aerowest		F-GPLK	Beech C90B	Jet Corporate	12
	EC-GXJ	SA226TC	Flightline	06 FTL752A/4461	OO-IDE	Ce525	Air Service Liège	27
	I-RTAA	P68B	Aeronike	dep	PH-DWS	ERJ135BJ	Air Charters Europe	JNL493
	OE-HUB	Ce750	Bairline Flug		PH-VBG	Falcon 2000EX	JetNetherlands	14
	OK-TVT	B737-86N	Travel Service	TVS4348/9	12. CS-DXI	Ce560XLS	NetJets Europe	NJE9LH/599M
	PH-HRK	P180	JetNetherlands	dep	D-CIFM	Ce560XLS+	IFM Traviation	
	PH-VBG	Falcon 2000EX	JetNetherlands	08	EC-GXJ	SA226TC	Flightline	15 FTL451/11
06.	D-CSLT	Lj60	FAI Rent-A-Jet	IFA2713/1810	OK-TVT	B737-86N	Travel Service	TVS4348/9
	EC-GXJ	SA226TC	Flightline	FTL462/003	PH-KGJ	EC120B	HeliFlight – Heli Holland	
	EC-GXJ	SA226TC	Flightline	08 FTL3/ -	TC-ODA	A320-233	Onur Air	OHY4818/56
	OE-IIS	G-V	Luxaviation Germany	09 LXG99S	13. D-CQAB	Lj45	Quick Air	QAJ1185
	PH-TCN	P180	JetNetherlands	08	D-IABE	PA-42-720	Finow Air Service	
07.	CS-CHC	CL-350	NetJets Europe	NJE118T/7UH	D-IAIB	Ce525	Fairjets	15
	CS-DRW	BAe125-800XPi	NetJets Europe	NJE573L/9UD	N770BB	B757-2J4	The Yucaipa Companies	14
	CS-DXO	Ce560XLS	NetJets Europe	NJE7JD	PH-CJM	Ce680	ASL	15
	OK-EMA	Ce680	Travel Service	08 TVS10J/1J	PH-MAA	EC135T2+	ANWB - MAA	Lifeline01
	OO-VST	P2006T	Vansteelandt		PH-TCN	P180	JetNetherlands	15
	OY-LHC	ATR72-212	Danish Air Transport	DTR991/6331	14. D-CFIV	Lj35A	Air Alliance	AYY118
	PH-HRK	P180	JetNetherlands	15	D-IAAR	EMB500	Arcus Executive	AZE51UQ/9UQ
08.	CS-DXP	Ce560XLS	NetJets Europe	09 NJE513G/262F	PH-DWS	ERJ135BJ	Air Charters Europe	22 JNL493
	D-CKJE	EMB505	Luxaviation Germany	LXG55JE	PH-TXA	Ce510	JetNetherlands	2x
	EI-FVA	B737-4Q8	Blue Panorama	09 BPA8170/1	15. 9H-BBJ	B737-7BC	Privajet	PVJ183
	F-GSCR	Ce525B	Luxaviation France	LEA506C	D-CHER	Lj60	Heron Aviation	HRN311
	LZ-ASO	P180	Aviostart	09 VSR902/1	G-LCYJ	ERJ190SR	British Airw.	16 BAW9754P/CFE4450
	VT-IBR	CL-604	Airmid Aviation Services	12	HB-JTA	Falcon 900LX	Air Sarina	16
09.	B-8273	G550	Deer Jet	10	OO-GEE	PC-12/47E	Blue Sky Aviation	2x
	CS-LTC	Ce680A	NetJets Europe	NJE028B/4XQ	PH-MAA	EC135T2+	ANWB - MAA	Lifeline01
	D-BUZZ	Ce750	Air X Charter (Germany)	10 AXG24	PH-TCN	P180	JetNetherlands	16
	D-HEGA	AS332L1	Bundespolizei	10 BPO502	16. B-8259	G550	Deer Jet	
	M-NGSN	PC-12/47	Niels Stolt-Nielson	11	G-OIMF	Falcon 7X	TAG Aviation (UK)	18
	N492CA	Ce680+	Gary Jet Center		G-YMKH	ERJ135BJ	TAG Aviation (UK)	18
	N8326Y	PA-30-160	Transal Aero Services		N77FK	G-IVSP	Econet Wireless International	
	OE-FZD	Ce510	GlobeAir	10 GAC620Q/512R	N300A	G550	Exxonmobil	17
	OO-AMR	C-525A	Air Service Liège		N544S	Falcon 2000LX	Sedgwick Claims Management	
	PH-TCN	P180	JetNetherlands	10	PH-CJM	Ce680	ASL	
	PH-VBG	Falcon 2000EX	JetNetherlands	10	PH-EQU	EC155B1	Heli Holland Offshore	
	TC-FHB	A320-214	Freebird Airlines	FHY723/4	PH-HRK	P180	JetNetherlands	25
	VP-CMG	G450	Arab Wings		PH-TCN	P180	JetNetherlands	21
10.	14+04	Global 5000	FBS BMVg	GAF645	TC-FBO	A320-214	Freebird Airlines	FHY723/4
	9H-VCK	CL-350	VistaJet Malta	VJT585	17. T.18-1/45-40	Falcon 900B	451 Esc	18 AME4581
	A6-SAJ	CL-605	Gulf Wings	21 GWC3	D-IJOA	Ce525A	Excellent Air	18 ECA8C
	CS-CHH	CL-350	NetJets Europe	NJE990M	F-HSHC	Ce525	Ixair	
	F-HFTV	Beech 250	Aero Sotravia	ASR0102	N829RA	Global Express	Pacifico Partners	18



The classic Boeing 737 as passenger aircraft is becoming more rare these days. Blue Panorama Airlines has been operating EI-FVA since September 2016, and was originally delivered to Malaysia Airlines in 1991 as 9M-MJD. (Rotterdam- The Hague, 8 October 2018, Kees van Boven)

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Gulf Wings started operations in December 2009 as a subsidiary of Arab Wings. Canadair CL-605 A6-SAJ was added to the fleet in 2011 and is reportedly being operated for Ahmed Al Jarallah. (Rotterdam- The Hague, 10 October 2018, Maarten Visser Sr)

N904DS	Global Express	Washington Redskins	18	OO-HEY	R44	Heli & Co	
OK-IMO	Beech 400A	Airstream	AQS935	OO-HEY	R44	Heli & Co	23
OO-SDV	Beech 350i	Savencia Fromage & Dairy Benelux	18	PH-MFX	Ce650	JetNetherlands	23
PH-MAA	EC135T2+	ANWB - MAA	Lifeline01	PH-TXA	Ce510	JetNetherlands	24
18. CS-DLB	Falcon 2000EX	NetJets Europe	NJE309M/243R	YU-BTB	Ce550 Bravo	Air Pink	
CS-DUC	BAe125-750	NetJets Europe	NJE3ER	23. CS-CHG	CL-350	NetJets Europe	NJE959P/801C
D-ABMW	G550	BMW Flugdienst	19 BMW77/8	CS-LTE	Ce680A	NetJets Europe	25 NJE365A/718G
D-COMO	Lj60	Imperial Jet Europe	19 JTI200/1	CS-PHH	EMB505	NetJets Europe	NJE7QZ
D-IOVP	PA-42-720	Heli Flight		D-CHMD	EMB505	Herrenknecht	
G-OCJZ	Ce525A	Centerline	21 CLF956	D-CVHB	Ce560XLS+	Viessmann Werke	
HB-JST	Falcon 7X	CAT Aviation	CAZ801/2	G-JOTR	BAe146-RJ85	JOTA Aviation	CFE4479/8
M-NGSN	PC-12/47	Niels Stolt-Nielson	19	LN-KYV	Beech 350ER	Sundt Air	24 MDT1
OK-PBK	Ce525B	Queen Air	19 QNR25B	N1DC	G-V	Blue Star Management	24
OO-SKY	Ce525A	Luxaviation Belgium	19 AAB763/ -	N222LX	G-V	Trans-Exec Air Service	24
19. CS-DXH	Ce560XLS	NetJets Europe	NJE660U/467P	N335BF	PA-30-160	Quaak Holding	dep
D-ASTY	A319-112	Germania	GMI1010/0101	OK-PBK	Ce525B	Queen Air	24 2x QNR25B
D-CFTG	Lj35A	Quick Air	QAJ1198	OO-GLM	Ce680	Air Service Liège	
D-CSUN	Ce560XLS+	Air Hamburg	AHO832Y	PH-MBO	DA62	M. Boers	*
D-INOB	Ce525A	Atlas Air Service	ATL3Z	TC-FHY	A320-214	Freebird Airlines	FHY723/4
HB-JRG	CL-604	Premium Jet		24. CS-CHD	CL-350	NetJets Europe	NJE856K/950F
N129NS	G-IVSP	Global Air Charters	GJE1209	D-CGRC	Lj35A	Jet Executive International	JEI333
OK-TVT	B737-86N	Travel Service	TVS4348/9	D-CNOC	Ce560XLS	Atlas Air Service	25 ECA9C
OO-ACO	Ce510	Air Service Liège	03	D-CUBA	Ce525B	Air Service	26
OO-GLM	Ce680	Air Service Liège		D-ISRM	Ce510	Inovex Charter	
PH-DAM	P180	JetNetherlands	dep	OK-PBK	Ce525B	Queen Air	25 QNR25B
PH-FIS	Ce525	JetNetherlands	dep	PH-FIS	Ce525	JetNetherlands	arr
PH-FIS	Ce525	JetNetherlands	24	PH-MAA	EC135T2+	ANWB - MAA	Lifeline01
PH-TAK	DA42	Happy Landings	dep	PH-RIS	EC130B4	Ryfas Helicopters	
PH-VBG	Falcon 2000EX	JetNetherlands	23	PH-TCN	P180	JetNetherlands	27
SP-AST	Ce525	AMC Aviation	21 AMQ9T	25. 5105	CL-601-3A	241.dlt	CEF05E
TC-OBK	A321-231	Onur Air	OHY4855/6	D-CNNN	Ce560XLS+	DC Aviation	26 DCS507
20. 9H-ZAK	B737-3Y0	Maleth-Aero	MLT799/800F	D-GCOB	DA42	Beech 1900D	East African Safari (a/w)
CS-DRW	BAe125-800XPi	NetJets Europe	21 NJE9UD/356C	N105EV		A319-115X	Government of Slovakia
D-IAIB	Ce525	Fairjets		OM-BYK		Falcon 2000EX	JetNetherlands
D-IJOA	Ce525A	Excellent Air	21 ECA8C	PH-VBG		ERJ135BJ	Air Hamburg
F-HIPE	EMB505	Pan Européenne A/S	PEA301	26. D-AERO		Ce525	Jetkontor
OO-GLM	Ce680	Air Service Liège	22	D-INCS		ERJ135BJ	ExecuJet South Africa
PH-PBA	DC-3C	Dutch Dakota Association	21	M-ALEN		BAe125-700A	Global Mission
PH-RLY	Ce402B	Heli Holland	21	N210RK		B737-8Z9	SmartWings
TC-CPC	B737-82R	Pegasus Airlines	PGT6615/6	OK-TVX		Ce525	AMC Aviation
TC-SEM	B737-8HC	SunExpress	SXS5149	SP-AST		A321-231	Onur Air
21. CS-DKK	G550	NetJets Europe	22 NJE358A/439Y	TC-OEC		A320-211	Tunisair
D-CFGG	Lj36A	Quick Air	QAJ1204	TS-IML		Ce525A	ProAir Aviation
D-IMME	Ce551	Weingärtner		27. D-ICBA		Ce525A	Excellent Air
N917VZ	G450	Verizon Services	22	D-IJOA		Falcon 100	Harmong Jets
PH-TAK	DA42	Happy Landings	arr	F-GSLZ		Ce525B	Valljet
PH-TCN	P180	JetNetherlands	24	F-HEMI		B737-8	TUI Belgium
PH-TXA	Ce510	JetNetherlands	22	OO-TMY		P180	JetNetherlands
TC-SEJ	B737-8HC	SunExpress	SXS5127	PH-TCN		B737-82R	Pegasus Airlines
22. D-CNOC	Ce560XLS	Atlas Air Service	ECA9C	TC-AIS		B737-8HC	SunExpress
D-CVHB	Ce560XLS+	Viessmann Werke		TC-SNG		B737-8HC	SunExpress (spec. c/s)
G-JOTR	BAe146-RJ85	JOTA Aviation	CFE4479/8	TC-SNN		TS-IMF	Tunisair
G-TAYC	G450	Executive Jet Charter	23				

TS-IMV	A320-214	Tunisair	TAR788/9
TS-IOM	B737-6H3	Tunisair	TAR668/9
28.CN-RGV	B737-85P	Royal Air Maroc (spec. c/s)	RAM832/3
CS-CHF	CL-350	NetJets Europe	29 NJE966U/738H
CS-LTE	Ce680A	NetJets Europe	29 NJE9KW/931C
D-CSOS	Lj45	Jetcall	29 JCL1
D-ICBA	Ce525A	ProAir Aviation	
EC-MKM	A320-232	Vueling	VLG1332/3
PH-HGT	Ce680+	JetNetherlands	03
PH-MAA	EC135T2+	ANWB - MAA	Lifeline01
PH-TCN	P180	JetNetherlands	30
TC-SEN	B737-8HC	SunExpress	SXS5126/127R
TS-IMT	A320-214	Tunisair	TAR788/9
29.9H-BBJ	B737-7BC	Privajet	PVJ177
CS-DXM	Ce560XLS	NetJets Europe	31 NJE5EC
D-CEFO	Ce560XLS	Air Hamburg	30 AHO832Y/551E
D-IDKE	Beech C90GTi	Dachser	30
G-CJDB	Ce525	Breed Aircraft	
N194ER	Ce510	Blue Sky Aviation	
N739MA	B737-8Q8	Miami Air International	dep BSK582
PH-TFF	B737-86N	TUI Netherlands	TFL502/092P
TS-IMQ	A319-112	Tunisair	TAR788/9
30.V-11	G-IV	334sq	NAF11
9G-MRH	DHC-8-402	PassionAir (a/w)	
9H-ILV	CL-850	VistaJet Malta	31 VJT624
CS-DQA	Ce560XLS	NetJets Europe	NJE6JH/170H
D-IADV	Ce551	MCH Holdings	2X
G-CGEI	Ce550 Bravo	Executive Aviation Services	JTR1
M-OTOR	Beech 250	Pektron Group	EZE08B/C
N194ER	Ce510	Blue Sky Aviation	31
OH-RBX	Ce560XL	River Aviation	
PH-VBG	Falcon 2000EX	JetNetherlands	arr
TC-SNY	B737-8K5	SunExpress (spec. c/s)	SXS550/1
TS-IMQ	A319-112	Tunisair	TAR788/9
31.CS-GLH	Global 6000	NetJets Europe	NJE9MD/647D
CS-PHH	EMB505	NetJets Europe	01 NJE893F/749N
CS-PHJ	EMB505	NetJets Europe	NJE977Y/9FF
PH-FJK	Ce525B	JetNetherlands	01

The Bolivian Falcon from last month departed on the first day of this month. The Tecnam on the 2nd is not a type we see regularly at Dutch airports except for the aircraft based at Lelystad. The frame on the 2nd is the sole aircraft on the Belgian register and is being used as a survey aircraft. Danish Air Transport operated a charter from Esbjerg on that day. The passengers were taken back to Esbjerg on the 4th. That Danish Air Transport ATR was white with Stordflyet.no titles on its fuselage. Another charter by Danish Air Transport took place on the 7th. This time they transported the Dutch female football team to Karup/Midtjylland. Blue Panorama operated a charter from and to Milan on the 8th. A helicopter

from the Bundespolizei arrived on the 9th for a night stop. German chancellor Angela Merkel arrived on the 10th for a chat with the Dutch Prime Minister Mark Rutte. The Yucaipa Companies Boeing 757 arrived from Berlin and continued to Stansted the next day. Due to the low water levels of the river rhine, the ships can not sail to their destination. Germania arrived from Munich on the 19th with some stranded cruise passengers. Maleth-Aero visited for the same reason on the 20th. The Air Service Cessna on the 24th is being operated for Scholtz. From the 26th some flights destined for Brussels Airports were rerouted via Rotterdam due to baggage handlers going on a strike. The Miami Air Boeing leased to Transavia departed back home after lease on the 29th. The Dash-8 on the 30th destined for PassionAir was ferried to Ghana via Rotterdam all white.

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

Maastricht - Aachen

			October 2018
01.D-CRON	Ce560XLS	Silver Cloud Air	03 SCR762
PH-DWS	ERJ135LR	Air Charters Europe	11 JNL764/493
SP-ESD	B737-8AS	Enter Air	ENT500L/551
SP-ESD	B737-8AS	Enter Air	ENT552/552P
UR-CGV	An-12BK	Ukraine Air All.	03 UKL5002/4072
VP-BCR	B747-4H6F	Silk Way West	AZG7979/80
02.5Y-JWF	Fokker 70	Jetways Airlines	tst
D-CBIN	SA227AT	Binair	BID3P/A
D-CCAA	Lj35A	D.R.F.	AMB488/ -
LX-GCL	B747-467F	Cargolux	UAE9988
03.5Y-JWF	Fokker 70	Jetways Airlines	dep
NX139LE	L-39ZO	Skyline Aviation	Lion39
SP-ENZ	B737-85F	Enter Air	ENT521K/H
04.4K-SW008	B747-4R7F	Silk Way West Airlines	AZG7978/9
N402KZ	B747-481F	Kalitta Air	THY6319
05.4K-SW008	B747-4R7F	Silk Way West Airl.	AZG7979/0275
D-ADCL	G550	DC Aviation	DCS101
D-BLUE	Falcon 2000LX	ACM Air Charter	BVR222
D-CJPG	Lj35A	Quick Air Jet Charter	QAJ1156
D-IHAG	Ce551	Heli-Flight	
LX-GCL	B747-467F	Cargolux	UAE9962
OM-CJI	Ce525	ATF Aviation	
OO-GLM	Ce680	Air Service Liège	dep
OO-GLM	Ce680	Air Service Liège	
SP-ENZ	B737-85F	Enter Air	ENT522H/P
VQ-BBM	B747-83QF	Silk Way West	AZG7983/4
06.I-SWIA	B747-4R7F	SW Italia	07 AZG7981/2
LN-WIA	DHC-8-103	Widerøe	arr WIF9017
SP-ENL	B737-8CX	Enter Air	07 ENT552/500P
07.LN-WID	DHC-8-103	Widerøe	dep WIF9018



Destined for Hawaiian Airlines this Airbus A321 visited the MAAS paint shop for some minor touch-up work. It was the first A321neo to visit the airport. The Airbus was delivered on 1 November 2018 as N208HA and finally arrived at Hawaii on 12 November. (Maastricht - Aachen, 15 October 2018, Bjorn van der Velpen)

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Former N633SF was entered in the Czech register on 11 October 2018 as OK-RLV and CTP Invest as its owner. The Gulfstream G280 is being operated by Avcon Jet. (Groningen - Eelde, 20 October 2018, Menno Molenaar)

OO-ACC	Ce525A	Air Service Liège	08	N401KZ	B747-481F	Kalitta Air	THY6319
TC-ACF	B747-481(F)	Saudia	SVA917/8	OO-ACC	Ce525A	Air Service Liège	
08.2-ATRD	ATR72-212A	NAC (TransAsia c/s)	22	19.ER-JAI	B747-412(F)	Aerotrans Cargo	
D-CESA	Ce550 Bravo	Euro Link		OM-ACG	B747-409(F)	ACG Air Cargo Global	CCC251/2
D-IDAS	EMB500	Donau Air Service	09	OO-GLM	Ce680	Air Service Liège	dep
09.G-MEDZ	Beech B200	Zeusch aviation		20.OK-HDJ	HA-420	Aeropartner	DFC799B
OO-SLM	Ce560XLS	Luxaviation Belgium	AAB807	TC-ONJ	A321-131	Onur Air	OHY4853/4
10.2-RPDA	ATR72-212A	Nordic Aviation Capital (a/w)	dep	21.TC-CPE	B737-82R	Pegasus Airlines	PGT6671/2
CS-DRX	BAe125-800XPi	NetJets Europe	NJE093M/301B	TC-OBK	A321-231	Onur Air	OHY4853/4
D-AVVM	A320-271N	Airbus Industrie	16 AIB527B/C	22.D-CEIS	Ce680	E-Aviation	EFD6S
D-IMAH	Ce525A	Mahle International		OE-GBE	IAI1125SPX	Tyrol Air Ambulance	23 TYW315/4
D-IMGW	Ce525A	Air Hamburg	AHO829Z	23.D-ISCH	Ce525A	Gerhard Schubert	
D2-EUP	DHC-8-402	HM Airways	arr	LX-OCV	B747-4R7F	Cargolux	UAE9988
F-GLNH	Beech 1900D	Twin Jet	TJT817B/C	OM-ACB	B747-433(F)	ACG Air Cargo Global	CCC25P/224
G-REYS	CL-604	TAG Aviation (UK)		OM-ACG	B747-409(F)	ACG Air Cargo Global	CCC223/26P
HA-TAD	Saab 340A(F)	Fleet Air International	FRF200/1	OO-SBA	A321-231	VLM Airlines (a/w)	TCW922T/9220
11.4K-SW008	B747-4R7F	Silk Way West Airlines	12 AZG7978/9	24.D-AVZY	A321-211	Airbus Industrie	01 AIB549B/C
D-FKAI	PC-12/47	Kaiser		VQ-BAX	A320-214	Aeroflot	30 AFL7686/7
EW-483TI	An-12BK	Ruby Star	12 RSB1001/2	25.84-00156	C-12U-3	1-214th AVN	Duke28
LX-GCL	B747-467F	Cargolux	UAE9962	4K-SW008	B747-4R7F	Silk Way West Airlines	AZG7978/9
N497XP	Beech 400A	World Class Jets		EW-485TI	An-12BP	Ruby Star	RSB1005/6
N705CK	B747-4B5F	Kalitta Air	THY6319	LX-OCV	B747-4R7F	Cargolux	UAE9962
OE-FPP	Ce510	GlobeAir	GAC452J/K	N403KZ	B747-481F	Kalitta Air	THY6319
OO-ACC	Ce525A	Air Service Liège		OY-KBF	A321-232	Scandinavian	div SAS597/9239
OO-GMJ	Beech 350	Air Service Liège	arr	26.D-IZMM	Ce510	AeroOps	
TC-MCE	A300B4-605R(F)	MNG Airlines	THY6605/6	OE-KGW	G100	Tyrol Air Ambulance	TYW758/9
12.CS-DXH	Ce560XLS	NetJets Europe	NJE773L/016N	OO-GLM	Ce680	Air Service Liège	dep
13.D-BLUE	Falcon 2000LX	ACM Air Charter	14 BVR222	OO-SBA	A321-231	VLM Airlines (a/w)	TCW9550/955T
ER-JAI	B747-412(F)	Aerotrans Cargo		27.D-AHOI	ERJ135BJ	Air Hamburg	28 AHO736D/436N
TC-OBY	A321-231	Onur Air	OHY4816/54	TC-OBK	A321-231	Onur Air	OHY4853/4
14.OO-GLM	Ce680	Air Service Liège	15	TC-CPY	B737-8H6	Pegasus Airlines	PGT6671/2
OO-GMJ	Beech 350	Air Service Liège		TC-ONJ	A321-131	Onur Air	OHY4853/4
TC-CRE	B737-800	Pegasus Airlines	PGT6672/2	29.D-AVXE	A321-271N	Airbus Industrie	02 AIB199C/D
TC-MCC	A300B4-622R(F)	MNG Airlines	THY6301/2	D-IBJJ	Ce525A	Air Hamburg	AHO862R
TC-MCT	B747-412F	Saudia	SVA917/8	ET-ARJ	B777-F60	Ethiopian Airlines	div ETH3509/713
TC-OEA	A321-231	Onur Air	OHY4818/54	30.D-BLUE	Falcon 2000LX	ACM Air Charter	31 BVR222
15.D-AZAC	A321-271N	Airbus Industrie	17 AIB123C/D	ET-ARJ	B777-F60	Ethiopian Airlines	ETH3712/3728
D-IBJJ	Ce525A	Air Hamburg	AHO345G	LN-OLT	AS365N3	Luftransport	div 31 LTR107/ -
N194ER	Ce510	Blue Sky Aviation		OE-FZB	Ce510	GlobeAir	30 GAC037F/926G
PH-LAB	Ce550	NLR - TU Delft		OE-LLG	ERJ135BJ	MJet	31 MJF590
16.9XR-WI	CRJ900ER	RwandAir	dep RWD800	31.2-CAUL	DHC-8-402	AeroCentury	tst
D-AVZD	A321-231N	Airbus Industrie	24 AIB500B/C	D-INOB	Ce525A	Atlas Air Service	ATL3Z
D-CHMD	EMB505	Herrenknecht		EI-EFX	B737-8AS	Ryanair	09 RYR80/9043
HZ-AI4	B747-87UF	Saudia	17 SVA6894/5	LX-GCL	B747-467F	Cargolux	UAE9988
LX-GCL	B747-467F	Cargolux	UAE9988	OE-FZB	Ce510	GlobeAir	arr GAC926H
17.D-IBJJ	Ce525A	Air Hamburg	AHO283Z174V	VQ-BVB	B747-83QF	Silk Way West	arr AZG255
OO-TUV	B737-86J	TUI Belgium	CND370/17				
PH-CDF	B737-804	Corendon Dutch Airl.	CND313P/313				
PH-CDF	B737-804	Corendon Dutch Airl.	CND314/314P				
18.D-CHMD	EMB505	Herrenknecht	19				
D-CSCB	Ce560XLS+	Silver Cloud Air	19 SCR187				
LX-GCL	B747-467F	Cargolux	UAE9962				

Enter Air continued to operate Lourdes flights. Onur came to the rescue and helped out Corendon during the holidays. The Jetways Airlines Fokker performed a local test flight on the 2nd before departing on delivery on the 3rd. Widerøe changed aircraft at SAMCO. On the 6th an aircraft arrived

and another one departed on the 7th. The ATR on the 8th arrived in TransAsia colours and departed all white. The ATR on the 10th also departed all white. The first NEO Airbus A320 arrived for paint on the 10th. It departed in Indigo colours and should now be in service as VT-IZD. The MNG Airlines Airbus on the 11th was in the new company colours. The first Airbus A321 NEO arriving on the 15th was already in full Hawaiian colours but needed some minor touch-up work. A RwandAir Canadairjet departed back home after some maintenance on the 16th. An Airbus destined for Sichuan Airlines arrived on that same day. There is however some confusion regarding its registration on the day it departed. On some photos it looks like it carried D-AVYF as registration on the 24th. VLM Airlines (Brussels) operated a charter to Istanbul on the 23rd. The next day Airbus send another aircraft for a paint job. The aircraft is destined for Cebu Pacific. The Scandinavian on the 25th was a Brussels diversion. The VLM charter returned on the 26th. The last Airbus for painting arrived on the 29th. This aircraft departed in VietJet colours. That same day an Ethiopian Boeing diverted from Liège. The helicopter on the 30th also diverted but continued to Liège the next day. The month ended with the Dash-8 performing a local test flight and a first Ryanair for a repaint.

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

Groningen - Eelde

			October 2018
02.OO-AMR	Ce525A	Air Service Liège	03
03.PH-TXA	Ce510	JetNetherlands	
04.D-CAWR	Ce560 Encore+	Aerowest	
05.OK-KLM	PA-46R-350T	Blue Sky Service	
TC-RSB	Lj45XR	Red Star	
07.PH-TXA	Ce510	JetNetherlands	09
08.D-CEMS	Ce525B	Meyer Werft	09
D-HTMD	H135	HTM	*
09.D-CBBS	EMB505	German Privat Jet Group	11
PH-ELP	EC135T2	ANWB - MAA	
PH-TXA	Ce510	JetNetherlands	
10.G-RVNE	P68B	Ravenair	
11.OO-JCV	PC-12/47E	Nextgen Aviation	
SE-MEP	Beech C90GTx	SAAB	
12.D-CESA	Ce550 Bravo	Euro Link	14
15.N9943H	SF50	Da Plane	16
16.CS-DLC	Falcon 2000EX	NetJets Europe	NJE762P/810Q
F-HAHA	Ce510	Ixair	IXR116A
N607LM	Eclipse 500	SAS - Ing. Gerritse Holding	

OK-IMO	Beech 400A	Airstream	17 ASQ935
17.D-IFLB	BN-2A-20	FLN	*
PH-KFA	DA42	KLM Flight Academy	del
PH-TXA	Ce510	JetNetherlands	
18.9H-JDV	Ce525	Nextgen Aviation Malta	f/v
20.OK-RLV	G280	Avcon Jet	f/v 21
21.F-HAGH	Ce525	Sodiflers	
22.J-065	F-16BM	322sq	*
J-644	F-16AM	322sq	*
G-CKUB	Ce560XLS+	Catreus	
PH-DAM	P180	JetNetherlands	
YL-PAZ	DA42	Pilot Academy	29
23.I-GURU	Lj40	Avionord	VND4260/1
SP-TBM	TBM-930	PLEK2	31
24.G-JALS	Ce560XLS+	Air Charter Scotland	EDC692
N124MW	SF50		arr
27.OO-IDE	Ce525	Air Service Liège	28
28.D-CFAF	Lj60	FAI Rent-a-jet	*IFA100
29.D-CEMS	Ce525B	Meyer Werft	30
PH-TWN	P2006T	Zelf Vliegen	
31.D-HNHF	H155	Northern Helicopter	*
PH-RVS	P68B	Slagboom & Peeters	*

The Vision Jet on the 15th visited Eelde prior starting a promo tour through China. The KLM Flight Academy took delivery of its first Diamond 42 on the 17th. This is reportedly the start of the replacement of the fleet of Beech 58 aircraft. The Gulfstream on the 20th is the first of its type registered in Czechia. The Diamond on the 22nd also operated one local flight on the 24th.

Credit: GEAS, FlyGRQ.

Deventer-Teuge

			October 2018
01.PH-BYC	Beech 58	KLM Flight Academy	
04.PH-JPS	R44	HeliCentre	
PH-MFA	DA42NG	Martinair Lelystad	
05.PH-PXF	EC135P2+	Nationale Politie	ZXP06
06.PH-ITI	H125	HeliCentre	
08.PH-HGT	Ce680+	JetNetherlands	09
09.PH-DTS	DA42	Wings over Holland	
PH-ECD	EC120B	Heli Holland Holding	
PH-HCD	Cabri G2	HeliCentre	
PH-HGT	Ce680+	JetNetherlands	10
10.D-IBWA	Ce525	S & S	tst
10.PH-DTX	Yak-52	Dutch Thunder Yaks	
PH-ENK	R44	Bear Helicopters	
12.PH-DTS	DA42	Wings over Holland	



Since 1991 this Beech C90A had been registered as N104AJ and was based at Lelystad, the Netherlands, from 2013 till June 2017. It was flown to Teuge for relay antenna installment and re-registered F-WTDE, but due to certification problems it took a while to redeliver the aircraft. On the day this photo was taken the aircraft departed back to Lelystad registered as 2-ZEUZ on delivery to Zeus Aviation. (Teuge, 31 October 2018, Jan Hetebrij)

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UR-CJN	An-12B	Cavok Air	CVK7007/22	30. J-066	F-16BM	KTV/322sq	*Cobra01
18. EI-LEO	Ce750	Gainjet Ireland	19 GJI75X	OO-PKX	Ce750	Air Service Liège	31
PH-FJK	Ce525B	JetNetherlands	25	PH-HWM	CL-605	ASL	arr
19. <u>02</u>	C-17A	HAW	20 <u>Bartok90</u>	31. CH12	C-130H	20sq	*
<u>J-514</u>	F-16AM	312/313sq	* <u>Sting01</u>	01	C-17A	HAW	01 Bartok30
D-ASSY	Falcon 7X	Adolf Würth	20	<u>D-102</u>	CH-47D	298sq	* <u>Shadow3</u>
D-FNAH	PC-12/47	Fresena Flug	21	<u>D-665</u>	CH-47D	298sq	* <u>Shadow1</u>
OE-FHK	Ce510	GlobeAir	20 GAC366K/255K	<u>D-666</u>	CH-47D	298sq	* <u>Shadow2</u>
OO-XLS	Ce560XLS+	Air Service Liège		L-12	PC-7	131EMVOsq	* <u>Razor04</u>
PH-HWM	CL-605	ASL	20	LX-LAR	Lj45	Luxemb. Air Rescue	arr DUK3AMB
TC-ATF	A321-211	AtlasGlobal	KKK6131/2				
UR-CJN	An-12B	Cavok Air	dep CVK7034				
UR-CNN	An-12B	Cavok Air	CVK7023/ -				
20. EI-FIH	B737-8	Ryanair	div RYR3A/180				
OE-FHK	Ce510	GlobeAir	21 GAC255L/972J				
OY-EVO	Ce550 Bravo	Flexflight	FXT220				
PH-HWM	CL-605	ASL	28				
UR-CJN	An-12B	Cavok Air	CVK7035/ -				
21. OK-EAS	Beech 400XTi	Time Air	TIE813Y				
OY-GFS	Falcon 2000LXS	Air Alsie	22 MMD1051/4517				
22. <u>FA69</u>	F-16AM	10w	* <u>BAF501</u>				
HB-JSF	CL-650	Robert Bosch					
OO-GLM	Ce680	Air Service Liège					
23. 1x	Tornado IDS	TLG33	* <u>GAFE12</u>				
<u>D-102</u>	CH-47D	298sq	* <u>Shadow3</u>				
<u>D-665</u>	CH-47D	298sq	* <u>Shadow1</u>				
<u>D-666</u>	CH-47D	298sq	* <u>Shadow2</u>				
J-643	F-16AM	312/313sq	* <u>Bonzo01</u>				
S-444	AS532U2	300sq	*				
LY-KLJ	B737-524	KlasJet	24 KLJ1148/9				
OY-GFS	Falcon 2000LXS	Air Alsie	MMD4517				
24. M-SAXY	PC-12/45	Saxon Logistics		02. <u>L-06</u>	PC-7	131EMVOsq	* <u>Diamond18</u>
25. HB-LRV	PA-31T	Air-Connect	28	<u>L-12</u>	PC-7	131EMVOsq	* <u>Diamond04,11</u>
PH-CJM	Ce680	ASL	arr	<u>L-13</u>	PC-7	131EMVOsq	* <u>Diamond12,15,20</u>
PH-MDG	Ce680+	JetNetherlands	arr	03. 1x	F-16AM	322sq	* <u>Silver02</u>
26. <u>L-01</u>	PC-7	131EMVOsq	* <u>Razor05</u>	<u>G-781</u>	C-130H	336sq	* <u>NAF71</u>
L-07	PC-7	131EMVOsq	*	L-12	PC-7	131EMVOsq	* <u>Diamond09</u>
<u>Q-05</u>	AH-64DN	301sq	* <u>Bat75</u>	PH-PXY	AW139	Nationale Politie	ZXP25
<u>Q-25</u>	AH-64DN	301sq	*	05. PH-PXY	AW139	Nationale Politie	ZXP25
0001	G550	1.BLTr	PLF106	08. <u>L-06</u>	PC-7	131EMVOsq	* <u>Diamond06</u>
D-CHZF	Ce550 Bravo	Tyrol Air Ambulance	TYW212F/3F	09. <u>L-04</u>	PC-7	131EMVOsq	* <u>Diamond11</u>
TC-ETM	A321-131	AtlasGlobal	KKK6131/2	<u>L-07</u>	PC-7	131EMVOsq	* <u>Stick11</u>
UR-CKL	An-12BP	Cavok Air	arr CVK7023	<u>L-09</u>	PC-7	131EMVOsq	* <u>Stick11</u>
27. OM-GEX	B737-8AS	AirExplore (a/w)	CAI041/0	10. <u>L-04</u>	PC-7	131EMVOsq	* <u>Razor04</u>
OM-KEX	B737-8BK	AirExplore	28 FEG3029/30	<u>L-12</u>	PC-7	131EMVOsq	* <u>Diamond15</u>
OO-JBG	B737-8K5	TUI Belgium	TFL50T/JAF628	12. <u>G-273</u>	C-130H-30	336sq	* <u>NAF78</u>
PH-FJK	Ce525B	JetNetherlands	31	15. <u>L-01</u>	PC-7	131EMVOsq	* <u>Diamond09</u>
28. D-CRON	Ce560XLS	Silver Cloud Air	30 SCR762	<u>L-13</u>	PC-7	131EMVOsq	* <u>Diamond15</u>
OO-PKX	Ce750	Air Service Liège	30	13-08437	CH-47F	1-214th AVN	18
29. 01	C-17A	HAW	30 Bartok30	PH-PXE	EC135P2+	Nationale Politie	* <u>ZXP05</u>
015	C295M	13.el/8.BLTr	PLF280	PH-PXY	AW139	Nationale Politie	ZXP25
HB-JSG	CL-605	Robert Bosch		16. <u>H38</u>	A109BA	17sq/1w	BAF319
OE-LLG	ERJ135BJ	MJet	30 MJF590	<u>L-01</u>	PC-7	131EMVOsq	* <u>Diamond12</u>
OO-KOR	Ce525A	Luxaviation Belgium	AAB929	18. <u>J-020</u>	F-16AM	312/313sq	* <u>King02</u>
				<u>N-227</u>	NH90-NFH	860sq	<u>Fiber03</u>

AlbaStar operated a charter for Inter Milan on the 2nd and on the 4th. TUI Netherlands operated a military charter on the 6th. The Ryanair Learjet on the 13th took some spare parts to Eindhoven for broken down Boeing EI-EFO. On the 14th and 15th TUI operated military charters. The Ryanair on the 20th was a Cologne diversion. KlasJet transported Tottenham Hotspur to Eindhoven on the 23rd for their game against PSV. The FlyEgypt flight on the 27th was most probably rerouted via Eindhoven due to a strike at Brussels. The Spanish CASA 235 was commuting between Lithuania and Spain on behalf of Baltic Air Policing missions.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

Gilze-Rijen

							October 2018
							* <u>Diamond18</u>
							* <u>Diamond04,11</u>
							* <u>Diamond12,15,20</u>
							* <u>Silver02</u>
							* <u>NAF71</u>
							* <u>Diamond09</u>
							ZXP25
							ZXP25
							* <u>Diamond06</u>
							* <u>Diamond11</u>
							* <u>Stick11</u>
							* <u>Stick11</u>
							* <u>Razor04</u>
							* <u>Diamond15</u>
							* <u>NAF78</u>
							* <u>Diamond09</u>
							* <u>Diamond15</u>
							18
							* <u>ZXP05</u>
							ZXP25
							BAF319
							* <u>Diamond12</u>
							* <u>King02</u>
							<u>Fiber03</u>



This Cessna 208B EX was delivered to FlexFly in January 2018. The company is based at Aschaffenburg Airport and also operates PC-12 D-FLAT. (Lelystad, 25 October 2018, Frank Mink)

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The arrival of a Sikorsky H-60 on its way to France was most probably the highlight for this month, if not the year! The Seahawk is part of Maritime Strike Squadron 72 and is deployed aboard the USS Harry S. Truman (CVN-75). Spotters who missed its first visit got a second chance when it came back again on its way back to the aircraft carrier. (Lelystad, 20 October 2018, Jan Beima)

<u>PH-PXZ</u>	AW139	Nationale Politie	<u>ZXP26</u>
19. <u>J-514</u>	F-16AM	312/313sq	* <u>Sting01</u>
22. <u>L-02</u>	PC-7	131EMVOsq	* <u>Diamond07</u>
23. <u>D-102</u>	CH-47D	298sq	dep <u>Shadow3</u>
<u>D-665</u>	CH-47D	298sq	dep <u>Shadow1</u>
<u>D-666</u>	CH-47D	298sq	dep <u>Shadow2</u>
<u>J-643</u>	F-16AM	312/313sq	* <u>Bonzo01</u>
<u>L-01</u>	PC-7	131EMVOsq	* <u>Diamond05</u>
25. <u>L-01</u>	PC-7	131EMVOsq	* <u>Diamond09</u>
<u>L-12</u>	PC-7	131EMVOsq	* <u>Stick11</u>
26. <u>L-07</u>	PC-7	131EMVOsq	* <u>Diamond04</u>
29. <u>L-01</u>	PC-7	131EMVOsq	* <u>Razor11</u>
<u>PH-CGC</u>	Do228-212	Kustwacht	<u>NCG03</u>
31. <u>D-102</u>	CH-47D	298sq	arr <u>Shadow3</u>
<u>D-665</u>	CH-47D	298sq	arr <u>Shadow1</u>
<u>D-666</u>	CH-47D	298sq	arr <u>Shadow2</u>
G-275	C-130H-30	336sq	*NAF73
<u>PH-CGN</u>	Do228-212	Kustwacht	* <u>NCG03</u>

This is the scraplist for October. The US Army Chinook spent some days inside a shelter, the 298sq Chinook threeship of 23 October left for Italy to perform high altitude training and returned a week later. The Coastguard Dornier 228 of the 29th was training normally until a tire blew and after a full stop and repairs the airplane returned to Schiphol in the evening.

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

De Kooy

October 2018			
04. <u>PH-PXZ</u>	AW139	Nationale Politie	<u>ZXP26</u>
08. <u>D-IVIV</u>	Ce525A	Atlas Air Service	
11. S-453	AS532U2	300sq	
OO-PCJ	PC-12/47E	EAPC	
18. <u>83+12</u>	S.Lynx Mk88A	MFG5	<u>GNY4619</u>
19201	S.Lynx Mk95	EsqHelMarinha	*
PH-WRW	EC120B	Heli Holland Holding	*
22. 83+12	S.Lynx Mk88A	MFG5	<u>GNY4619</u>
PH-HHK	Bell 206L-1	Heli Holland Holding	23
24. G-SNSK	AW139	CHC Scotia	
26. G-CCGS	Do328-110	Loganair	LOG860
30. G-HKCC	R66	HQ Aviation	

The German Navy Lynx was heading for the RAF Northolt photo call and the Portuguese Super Lynx was flying local from a nearby Navy vessel.

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

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

Leeuwarden

October 2018			
01. N-326	NH90-NFH	860sq	*Neptune11
02. OO-NSZ	AS365N2	NHV	Coastguard06
03. PH-CGC	Do228-212	Kustwacht	*NCG01
08. J-201	F-16AM	322sq	dep Dawg1
J-624	F-16AM	322sq (nmks)	arr Dawg1
15. T-235	KDC-10	334sq	*NAF65
16. OO-NHX	AS365N2	NHV	Rescue08
22. J-630	F-16AM	312/313sq (312sq mks)	*Tiger01
23. T-784	Ce560XL	LTDB	SUI554
24. L-04	PC-7	131EMVOsq	*Diamond07
25. L-01	PC-7	131EMVOsq	Diamond09
L-07	PC-7	131EMVOsq	Diamond13
L-13	PC-7	131EMVOsq	29 Diamond12/04
29. 30+82	EF2000	TLG71	*GAFR19A
30. J-013	F-16AM	322sq	dep Cobra1
J-066	F-16BM	KTV/322sq	arr Cobra1

The largest visitor for Leeuwarden in October has to be the 334sq KDC-10 tanker, visiting on a training flight. The Swiss Citation visited in relation to the final report publication on the Patrouille Suisse F-5E mishap from June 2016. Pilatus PC-7 trainer L-13 was seen wearing special 30 years 131EMVOsq markings in the tail, the German Eurofighter visited during night hours and a long term hangar queen returned on 30 October, the Orange Jumper returned from Woensdrecht after her landing mishap at Eindhoven on 22 November 2017.

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

Lelystad

October 2018			
02. 2-LIFE	Eclipse 500	Brigitte Vonk	dep
03. D-ICTR	Beech C90GTx	TR Electronic	
05. PH-PST	EMB500	P.G. Stibbe	arr
PH-PXC	EC135P2+	Nationale Politie	*ZXP03
07. SP-NEO	PA-46-350P	JB Investments	
08. OO-GMJ	Beech 350	Air Service Liège	
09. N638DB	PA-46-350P	MaxFly	
OO-GMJ	Beech 350	Air Service Liège	

PH-MAA	EC135T2+	ANWB - MAA	*Lifeline1
12.G-MEDZ	Beech B20A	Zeusch aviation	arr MDI03
14.N71SL	H269C	Jan Overveen – Chris Wouters	
OE-FSA	DA42	Sky Flight Charter	17
PH-OSF	H175	Heli Holland Offshore	dep
16.D-COLO	Ce525C	Jetkontor	JKH32C
17.D-COLO	Ce525C	Jetkontor	JKH32C
PH-BYC	Beech 58	KLM Flight Academy	
PH-KFA	DA42	KLM Flight Academy	dep
18.OK-SIL	Beech C90B	CAMURO Consulting	19
PH-KTM	R44	HeliAir	
19.OE-FAR	DA42NG		22
PH-HOW	H145	RAV Fryslân – MAA	
PH-OSF	H175	Heli Holland Offshore	05
PH-PXC	EC135P2+	Nationale Politie	*ZXP03
20.168115	MH-60R	HSM-72	f/v VVAB700
PH-KMR	GA-8	Stichting Ambulancevliegtuig	
21.N700VB	TBM-700B		
24.PH-LAB	Ce550	NLR – TU Delft	*
25.D-FROG	Ce208B	FlexFly	
PH-LAB	Ce550	NLR – TU Delft	*
26.168115	MH-60R	HSM-72	VVAB700
2-MAPZ	Beech C90A	Zeusch aviation	del
28 2-MAPZ	Beech C90A	Zeusch aviation	tst
29.N638DB	PA-46-350P	MaxFly	
30.PH-MAA	EC135T2+	ANWB - MAA	div Lifeline1
31.2-ZEUF	Beech C90A	Zeusch aviation	del
D-GEWF	DA42	We-Fly	04
OK-JKT	TBM-700C2	T-air	
PH-DWW	R44	HeliAir	
PH-FJK	Ce525B	JetNetherlands	

The Eclipse on the 2nd departed via Wick to the USA. Its last tracked flight ended at Boca Raton on 21 October 2018. The H175 on the 14th departed to Amsterdam for the Heli-Expo. It returned on the 19th. Former G-SSCA departed on the 17th as PH-KFA on delivery to the KLM Flight Academy at Groningen Airport. A company Beech also visited, probably one of its last flights as all four Beech aircraft will be put up for sale with the arrival of the Diamond 42. The H145 on the 19th also arrived from Amsterdam after display at the Heli-Expo. The highlight of this month paid a visit on the 20th. The Navy helicopter was on its way to Le Bourget to participate at the Euronaval exhibition. The helicopter visited again on its returnflight to Scandinavia on the 26th. Zeusch aviation took delivery of two aircraft this month. The first arrived on the 26th and performed a local flight on the 28th. The second arrived on the 31st. The lifeline on the 30th diverted to the airport after a cancelled medical flight.

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

Volkel

			October 2018
10.J-146	F-16AM	322sq (323sq mks)	Shark2
11.G-273	C-130H-30	336sq	*NAF79
15.J-021	F-16AM	322sq	16 Killer01
J-516	F-16AM	322sq	16 Killer02
16.J-001	F-16AM	312/313sq	dep
J-641	F-16AM	312/313sq (nmks)	dep NAF312
18.J-020	F-16AM	312/313sq	arr King02
J-508	F-16AM	312/313sq	dep Devil02
19.L-07	PC-7	131EMV0sq	*Diamond09
23.G-273	C-130H-30	336sq	*NAF72
24.G-273	C-130H-30	336sq	*NAF72
Q-25	AH-64DN	301sq	*Redskin53
25.G-273	C-130H-30	336sq	*NAF72
30.V-11	G-IV	334sq	*NAF11

From the F-16 formation of 15 and 16 October J-516/641 are mentioned to have flown to Jordan to join the 1(NL) ATF ME, with J-001/021 as spares.

Credits: SGVolkel Message Board, Scramble MB

Woensdrecht

			September 2018
04.PH-LAB	Ce550	NLR - TU Delft	05
05.T-785	Falcon 900EX	LTDB	SUI541
06.N739MA	B737-8Q8	Miami Air	10 BSK502/584
07.G-781	C-130H	336sq	*NAF71
5B-DDD	Fokker 100	TUS Airways	dep CYF114P
10.J-021	F-16AM	322sq	tst Dozer01
EI-EPG	B737-8AS	Ryanair	arr
HZ-A10	ATR42-500	Alpha Star Aviation	arr
11.Q-04	AH64DN	301sq	tst Redskin08
12.1x	Do228-212	Kustwacht	*
13.J-021	F-16AM	322sq	dep Cobra01
J-362	F-16AM	322sq	arr Cobra01
Q-19	AH-64DN	301sq	arr Redskin08
19.PH-PXY	AW139	Nationale Politie	*Police25
20.Q-04	AH-64DN	301sq	tst + dep Redskin06
22.D-AXXX	B737-8LX	ACM Air Charter	dep BVR1
24.S-456	AS532U2	300sq	*Wildcat62
25.FB18	F-16BM	10w/OCU	*BAF451
2-ATRG	ATR72-212A	Nordic Aviation Capital (a/w)	dep
4O-AOP	Fokker 100	Montenegro Airlines	28 MGX998/9
26.J-146	F-16AM	322sq (323sq mks)	tst M2927
27.EI-EPE	B737-8AS	Ryanair	arr
28.OH-LZU	A321-231	Finnair	arr FIN8921

In September Woensdrecht movements decreased compared to previous months. Special notes can be made with the Transavia leased Miami Air B737, arriving from Schiphol and leaving four days later. Two Ryanair B737s arrived for



Initially delivered to Cyprus Airways in 2003 this Airbus A330 was added to the Air Europa fleet in 2012. From March 2017 EC-LQP is being operated in Skyteam colours. (Woensdrecht, 15 October 2018, Johan Havelaar)

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This BBJ1 was initially delivered to the Chartwell Aircraft Company as N742PB. From February 2018 the Boeing 737 is being operated by GainJet Aviation as VP-BVV. (Woensdrecht, 12 October 2018, Johan Havelaar)

temporary storage, most likely pending their transfer to a new owner. The German BBJ2 departed on 22 September. The former Transasia ATR72 departed on 25 September for Mönchengladbach to be stored on arrival there, in stunning all white colours.

October 2018			
01. HS-HMK	B737-8Z6	Thai Government	arr VMS01
HZ-A11	ATR72-212A	Alpha Star	12
N737ER	B737-7CJ	BBJ One	arr
YR-FZA	Fokker 100	Carpatair	19 KRP501/5101
4O-OAM	Fokker 100	Montenegro Airlines	arr MGX998
02. 2-ATRB	ATR72-212A	Nordic Aviation Capital	dep
03. G-781	C-130H	336sq	*NAF71
SP-HAG	A320-232	Small Planet Poland	arr LLP9991
05. VP-BVV	B737-73U	GainJet Ireland	12
08. J-201	F-16AM	322sq	arr Dawg1
J-624	F-16AM	322sq (nmks)	dep Dawg1
10. J-006	F-16AM	322sq	arr Dawg
J-146	F-16AM	322sq (323sq mks)	dep Shark01
N-324	NH90-NFH	860sq	tst Fiber09
11. N-324	NH90-NFH	860sq	tst Fiber09
OH-LZU	A321-231	Finnair	dep FIN8921
15. J-020	F-16AM	312/313sq	tst Cowboy01
Q-19	AH-64DN	301sq	tst Redskin06
EC-LQP	A330-243	Air Europa	arr AEA906
PH-LAB	Ce550	NLR - TU Delft	*
YL-PSD	B737-86N	Genesis Ireland Avn (Primera c/s)	arr
YL-PSH	B737-86N	Genesis Ireland Avn (Primera c/s)	arr
16. H38	A109BA	17sq/1w	*BAF319
Q-19	AH-64DN	301sq	tst Redskin05
17. N-324	NH90-NFH	860sq	dep Guardian26
N-326	NH90-NFH	860sq	arr Guardian26
Q-19	AH-64DN	301sq	dep Redskin31
18. J-020	F-16AM	312/313sq	dep King02
J-508	F-16AM	312/313sq	arr Devil02
19. Q-24	AH-64DN	301sq	arr Redskin07
22. CH03	C-130H	20sq	*BAF671
2-ATRA	ATR72-212A	Nordic Aviation Capital	dep
23. S-444	AS532U2	300sq	*Wolfhound62
PH-CGN	Do228-212	Kustwacht	NCG03
24. J-066	F-16BM	KTV/322sq	tst Dozer
Q-23	AH-64DN	301sq	tst Redskin06
2-ATRF	ATR72-212A	Nordic Aviation Capital	dep
PH-CGN	Do228-212	Kustwacht	*NCG03
26. 2-ATRC	ATR72-212A	Nordic Aviation Capital	dep
29. HS-CMV	B737-4Z6	Thai Government	VMS01
YR-FKA	Fokker 100	Carpatair	arr KLM9956
30. J-013	F-16AM	322sq	arr Cobra1
J-066	F-16BM	KTV/322sq	dep Cobra1
31. G-273	C-130H-30	336sq	*NAF73
Q-23	AH-64DN	301sq	tst Redskin06

PH-CGN Do228-212 Kustwacht *NCG03

In October Woensdrecht traffic stood up with a Thai Government BBJ2 and two private BBJ1s visiting Fokker Aircraft Services. Another Air Europa A330 arrived for maintenance on 15 October, also finding their way into Woensdrecht. Some former Transasia ATR72s left again for Germany as they are up for sale to a new lessor. On the military side two foreign visitors, being the Belgian A109BA and C-130H. Bright side ending the month as J-066 left again for Leeuwarden, the Orange Jumper headed home after its mishap at Eindhoven a year ago, ready to soar our skies again.

Credits: J. Havelaar, Scramble MB.

Texel

October 2018			
01. OO-HCP	R44	Heli & Co	
02. PH-WRW	EC120B	Heli Holland Holding	
04. G-BWTG	DHC-1	Classic Wings	
PH-ACI	CeT303	AIS Flight Academy	
PH-PXY	AW139	Nationale Politie	NCG04
05. N195JR	Beech 95	Buddy Management	
06. PH-CGN	Do228-212	Kustwacht	NCG01
PH-DTS	DA42	Wings over Holland	
08. PH-PXY	AW139	Nationale Politie	NCG04
10. PH-CGC	Do228-212	Kustwacht	NCG01
PH-PXY	AW139	Nationale Politie	ZXP25
11. PH-ECD	EC120B	Heli Holland Holding	
PH-PXY	AW139	Nationale Politie	ZXP25
PH-TWN	P2006T	Zelf Vliegen	
12. N195JR	Beech 95	Buddy Management	
PH-COM	PA-30	Dutch Airline Pilots Aero Club	13
13. PH-CGC	Do228-212	Kustwacht	NCG01
14. PH-DTS	DA42	Wings over Holland	
15. PH-WRW	EC120B	Heli Holland Holding	
18. PH-DTS	DA42	Wings over Holland	
PH-TWN	P2006T	Zelf Vliegen	
19. PH-CGN	Do228-212	Kustwacht	NCG01
22. PH-COM	PA-30	Dutch Airline Pilots Aero Club	
23. F-GOBA	R44	Heli & Co	
25. PH-CGC	Do228-212	Kustwacht	NCG01
28. PH-SWN	Ce414A	PARC Air	

This month Heli & Co is using a French registered Helicopter.

Credit: Texel Airport.

Twente

October 2018			
04. D-101	CH-47D	298sq	2x Grizzly06
D-103	CH-47D	298sq	Grizzly07

D-663	CH-47D	298sq	2x Grizzly05	16.HI860	BAe3201	ACSA - Air Century	17
Q-01	AH-64D	301sq	*Redskin01	17.N526CF	Lj45	Corporate Air Charters	20
Q-26	AH-64D	301sq	*Redskin12	PH-DCCG	AW139	DCCG	
05.CS-PHH	EMB505	NetJets Europe	06 NJE979H/288E	YV2724	RC690A		18
06.CS-DRU	BAe125-800XPi	NetJets Europe	07 NJE754C/071T	18.N939MC	IAI1125	R&V Aviation Services	
YU-MTU	Ce525	Infinity Aviation		YV2894	Ce310		
08.CS-PHK	EMB505	NetJets Europe	NJE391R/665Q	YV3093	RC690B		
CS-PHK	EMB505	NetJets Europe	NJE821K/025K	19.HI860	BAe3201	ACSA - Air Century	20
PH-MDG	Ce680+	JetNetherlands	dep	HI1007	Beech 1900D	Sky High Aviation	
10.PH-MDG	Ce680+	JetNetherlands		P4-CFV	PA-31		
11.CS-DXY	Ce560XLS	NetJets Europe	NJE760B/906B	20.HK-5013	EMB120RT	SARPA	21
YU-MTU	Ce525	Infinity Aviation	12	N234FJ	Falcon 2000	Maine Aviation Aircraft Charter	
12.D-IMRB	Beech C90GTi	E-Aviation	EFD1B	21.N350PB	PA-31-350	JUS	
G-MAKN	PC-12/47E	RavenAir	14	23.HI772	BAe3101	ACSA - Air Century	24
15.CS-DRZ	BAe125-800XPi	NetJets Europe	16 NJE225A/256L	24.N995DP	Lj35A	REVA	
16.CS-DRZ	BAe125-800XPi	NetJets Europe	NJE733A/793L	26.HI772	BAe3101	ACSA - Air Century	27
PH-MDG	Ce680+	JetNetherlands		HI1017	Beech 1900D	Sky High Aviation	
17.CS-PHK	EMB505	NetJets Europe	NJE612L/013N	N356DC	Ce525B	Zephyr Air	29
19.J-514	F-16AM	313sq	*Sting01	27.HK-5013	EMB120RT	SARPA	28
J-630	F-16AM	312sq	*Sting02	30.HI772	BAe3101	ACSA - Air Century	31
23.D-IMRB	Beech C90GTi	E-Aviation	2x EFD1B	YV2511	Ce310		
25.PH-MDG	Ce680+	JetNetherlands		31.HK-5013	EMB120RT	SARPA	
27.CS-DXM	Ce560XLS	NetJets Europe	28 NJE504E/471H				
31.CS-DXZ	Ce560XLS	NetJets Europe	NJE091L/760E				

The Falcon Autumn exercise took some helicopters to Twente at the beginning of the month.

Credit: EHTW spotters.

Flamingo (Bonaire, Dutch Caribbean)

				October 2017
01.N939MC	IAI1125	R&V Aviation Services		14
N5324J	Ce340A			31
02.HI772	BAe3101	ACSA - Air Century		03
03.HK-5013	EMB120RT	SARPA		
04.N39JC	Raytheon 390	Skyline Enterprises		07
05.HI840	BAe3101	ACSA - Air Century		06
HI1038	BAe4101	Sky High Aviation		
N350PB	PA-31-350	JUS		06
06.HK-5013	EMB120RT	SARPA		07
YV3378	Ce500			
07.YV3396	Beech 200			
08.PH-FBH	AW139	DCCG		
09.HI840	BAe3101	ACSA - Air Century		10
12.HI956	BAe3201	ACSA - Air Century		13
HI1038	BAe4101	Sky High Aviation		
N715DE	EMB505	Cameron Meadows Gas And Oil		15
13.HK-5013	EMB120RT	SARPA		14
14.N-175	NH90-NFH	860sq		15
YV3093	RC690B			

Air Antilles Express:

F-OIXE 04, 06, 08, 10, 22, 24 F-OIXO 03
F-OIXH 01, 11, 13, 15, 17, 18, 20, 25, 27, 29

American:

N8027D 06 N9016 13, 27
N9011P 20

Aruba Airlines:

C-FXLH 02, 04, 06, 07, 09, 11, 13, 14, 16, 18, 20, 21, 23, 25, 27, 28, 30

Delta:

N6700 13 N6703D 27
N6701 20 N686DA 06

TUI Airlines Netherlands:

PH-OYI 31 PH-TFL 02, 06, 09, 13, 17, 20
PH-TFK 10, 12, 16, 19, 24, 26, 27PH-TFM 03, 05, 23, 30

United:

N14214 27-28 N37298 20-21
N33266 13-14 N77296 06-07

Left out were KLM, Insel Air (Fokker 50s), Divi Divi Air (BN2) and EZ Air (BN2) and Learjet N389KA which is based here, unless operating on a non-scheduled flight.

A very dull month for Bonaire with only an Aruban registered Piper as some sort of highlight.

Credit: Danny de Kiewit.



This Canadair Jet has had an extensive career. It was delivered to United Express in 2000 and has seen much of the globe since that time. The second to last airline it was operating for was Star Perú. In August 2018 it was taken on strength by ACSA. It is one of two former Star Perú CRJ200ER aircraft that have been added to the Air Century fleet. HI1034 was photographed while on a route proving flight prior to starting regular services to Curaçao. (Curaçao - Hato, 30 October 2018, Larry Every)

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This F-16 was delivered to the Royal Netherlands Air Force in January 1992 as an F-16A. Around the year 2000 it received a so-called MLU, or Mid-Life Update. J-020 is currently in use by 312 squadron based at Volkel Air Base. It was caught on camera while deploying its break chute, which is quite a rare sight in its home country. (Woensdrecht, 15 October 2018, Johan Havelaar)

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Movements Belgium



Prime Meridian was founded in 1994 and is working in the field of terrestrial measurements. The Bucharest based company is using two Daimond DA42MPP aircraft (YR-XXA and YR-XXB) for low altitude data gathering and the pictured Rockwell Commander YR-XXC for collecting data at high altitude. (Antwerp, 31 October 2018, Walter Van Brempt)

Antwerp

		October 2018					
01. CS-CHG	CL-350	NetJets Europe	02 2x	D-CJPG	Lj35A	Quick Air Service	
D-AWIN	ERJ135BJ	Air Hamburg	f/v 02	D-ILAP	EMB500	Liebherr	
D-IFFF	CeF406	Air Taxi Europe	02	N425HB	Ce425	SPS Europe	f/v
G-IWFC	A109SP	GB Helicopters	f/v	OE-FWF	Ce510	GlobeAir	
LX-EBE	Ce560XLS+	Flying Group Luxembourg	05	OE-GPS	Ce550 Bravo	Tyrol Air Ambulance	
M-ARTY	PC-12/47E	Creston (UK)		OO-VMF	Ce560XLX+	Air Service Liège	
OO-KTN	A109S	Katoennatie	f/v	PH-TXA	Ce510	ASL	10
PH-MYX	Ce650	JetNetherlands	02	YU-SVL	Ce560XLS	Prince Aviation	10
PH-TXA	Ce510	ASL	03	10. CS-PHK	EMB505	NetJets Europe	f/v
02. OO-DOB	Falcon 900LX	Flying Group	del	D-IAFM	DA62	Volatus	11
PH-VBG	Falcon 2000EX	JetNetherlands		F-HJSB	Ce525	Flybox One	
SP-KPR	Saab 340A/QC	Sprintair	04	N111DV	PA-46-350P	D. Visser	f/v
03. G-LUBB	Ce525	Centreline Air Charter	04	OO-ACO	Ce510	Air Service Liège	11
HA-TAD	Saab 340A	Fleet Air International		PH-TXA	Ce510	ASL	11
N2673D	Ce340A	Meijer Beheer		11. ST46	SF260D	CC Air	
PH-LAW	CeT310R	AFOC Germany	12	CS-PHD	EMB505	NetJets Europe	12
PH-TXA	Ce510	ASL	06	F-HJCD	Falcon 2000LXS	J.C. Decaux	12
SP-KPG	Saab 340A	Sprintair	04	N930EN	Global Express	E Management	13
SP-SPH	ATR72-202	Sprintair	f/v	12. CS-DXY	Ce560XLS	NetJets Europe	13
04. D-FABS	PC-12/47E	Schumacher Packaging		D-CJPG	Lj35A	Quick Air Service	
D-ICMK	Beech C90GTi	Kapp		G-USHA	Lj75	Zenith Aviation	
OO-JOE	R44	J & G	12	HB-FVZ	PC-12	Happy Lines sa	
OO-PKX	Ce750	Air Service Liège		LX-EBE	Ce560XLS+	Flying Group Luxembourg	13 2x
UR-CQD	An-26B	Vulkan Air	05	PC-12/47E	PC-12/47E	Blue Sky Aviation	15
05. CH-03	C-130H	20sq		PC-12/47E	R44	EAPC	
D-CAAL	Do228-202	Arcus Air		OO-RFF	P68B	Heliventure FTO	2x
D-ITRA	Ce525	Transavia Flug		PH-SEJ	EMB505	CNE Air	f/v
D-ITTT	CeF406	Air Taxi Europe		13. CS-PHL	G-UDOG	NetJets Europe	14
EC-HJC	SA226TC	Zorex	08	LX-JFZ	Bulldog 120/121	M. van den Broeck	
LX-EBE	Ce560XLS+	Flying Group Luxembourg	09	OO-PCK	PC-12/47E	Jetfly Aviation	
N443DC	R44	De Coninck		PH-TXA	Ce510	Flying Group Luxembourg	
N690PT	RC690A	Reni Aviation	f/v	14. LX-EBE	Ce560XLS+	EAPC	
PH-HRK	P180	JetNetherlands		OO-PCK	PC-12/47E	ASL	15
PH-MYX	Ce650	JetNetherlands		PH-TXA	Ce510	ASL	17
PH-WDL	PA-34-220T	Cordial Beheer		15. D-IATE	CeF406	Air Taxi Europe	
SP-KPG	Saab 340A	Sprintair		D-INCS	Ce525	Bizair Flug	
SP-KPR	Saab 340A/QC	Sprintair		I-CNDG	Ce560XLS+	Aliven	
SP-THC	PC-12/47E	Tar Heel Capital		M-ARTY	PC-12/47E	Creston (UK)	
06. PH-TCN	P180	JetNetherlands		M-INTY	G280	Hampshire Aviation	
PH-TXA	Ce510	ASL	07	OO-GEE	PC-12/47E	Blue Sky Aviation	22
07. CS-LTG	Ce680A	NetJets Europe	08	PH-MYX	Ce650	JetNetherlands	25
N363JR	PA-46-500TP	Devuma		PH-TXA	Ce510	ASL	17
OO-PKX	Ce750	Air Service Liège		SP-TKT	PA-34-220T	Winters Aviation	f/v
PH-HRK	P180	JetNetherlands		YU-BST	Ce525	Eagle Express	
PH-WDL	PA-34-220T	Cordial Beheer		16. D-CFHZ	EMB505	DAS Private Jets	
08. OO-ACO	Ce510	Air Service Liège	10	D-INEZ	Ce510	HanseSky Flug	f/v
OO-GEE	PC-12/47E	Blue Sky Aviation	12	F-HBMR	Ce550	Valljet	17
OO-VMF	Ce560XLX+	Air Service Liège	08	N127QR	Beech 300LW	A. Ruijgrok	
09. CS-LTG	Ce680A	NetJets Europe	10	OE-FZB	Ce510	GlobeAir	17
D-CARO	Ce680+	Aerowest Flugcharter	10	OO-VMF	Ce560XLX+	Air Service Liège	
				PH-SEJ	P68B	CNE Air	
				YU-BST	Ce525	Eagle Express	arr EES216A
				17. CS-DUB	BAe125-750	NetJets Europe	
				D-CFHZ	EMB505	DAS Private Jets	

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D-EHPL	PA-46-350P	Kaa Aviation	f/v	D-IPCH	Ce525A	Jetkontor	
D-IEAH	Beech C90A	Fuchs & Partner	2x	G-LFBD	Ce525A	Centreline	
HB-IGV	Falcon 50EX	VF International		G-LUBB	Ce525	Centreline	25
M-ARTY	PC-12/47E	Creston (UK)		PH-TXA	Ce510	ASL	25 2x
N700QT	TBM-700	Euroaviation	18	SP-KPG	Saab 340A	Sprintair	25
OE-FZB	Ce510	GlobeAir		25.ST47	SF260D	CC Air	
OO-PCM	PC-12/47E	EAPC		D-IEAH	Beech C90A	Fuchs & Partner	26
PH-LAW	CeT310R	AFOC Germany	19	OO-SVB	SV-4B	Lathouwers	
PH-STB	Falcon 900C	Exxaero		PH-DFB	DA42	Belgian Flight School	
SP-MRB	Saab 340A/QC	SkyTaxi	18 2x	PH-DIX	PC-12/45	Din-Air	
18.ST44	SF260D	CC Air		VP-CSB	Global 5000	Marco Polo Aviation	
9H-JDV	Ce525	Nextgen Aviation Malta	31	26.D-GGWB	DA42	Rhein Main Aviation	
CS-DXL	Ce560XLS	NetJets Europe		F-HJCD	Falcon 2000LXS	J.C. Decaux	27
CS-DXV	Ce560XLS	NetJets Europe		HA-TAD	Saab 340A	Fleet Air International	
CS-PHL	EMB505	NetJets Europe		LX-EBE	Ce560XLS+	Flying Group Luxembourg	
HB-VER	Ce525A	Swiss Private Flights	f/v	N65MJ	Beech 58P	Grange Aviation	
LX-EBE	Ce560XLS+	Flying Group Luxembourg	25	N127QR	Beech 300LW	A. Ruijgrok	
M-ARTY	PC-12/47E	Creston (UK)		OE-FAT	Ce510	GlobeAir	
N500J	G550	Johnson & Johnson		OO-GEE	PC-12/47E	Blue Sky Aviation	
OK-AST	Ce560XL	Air Bohemia	19	OO-STR	AS350B3	Stephex Stables	
OO-ACC	Ce525A	Air Service Liège	19	PH-SEJ	P68B	CNE Air	
SP-MRB	Saab 340A/QC	SkyTaxi		PH-TSN	DA42	Twin Star Netherlands	
19.ST45	SF260D	CC Air		PH-TXA	Ce510	ASL	28
F-HTTO	Global 5000	Flying Group		27.OK-PVG	PC-12/47E	Zurru Gunarni	28
G-BCCE	PA-23-250	Golf Charlie Echo	21	PH-CGN	Do228-212	Kustwacht	
G-RMMA	Falcon 900EX	TAG Aviation (UK)	20	PH-DIX	PC-12/45	Din-Air	
OO-STR	AS350B3	Stephex Stables		28.D-IHEB	Ce525	Silver Cloud Air	
OO-VMF	Ce560XLS+	Air Service Liège		OO-GEE	PC-12/47E	Blue Sky Aviation	04
PH-DKI	P68C	Zeeland Air		OO-STR	AS350B3	Stephex Stables	
PH-SEJ	P68B	CNE Air		PH-FMI	RC690B	Pasco Europe	f/f
SP-KPG	Saab 340A	Sprintair	24	29.CS-LAS	Ce680A	NetJets Europe	30
20.CS-DRY	BAe125-800XPi	NetJets Europe	21	OK-JRT	Ce680+	Travel Service	
CS-LAS	Ce680A	NetJets Europe	21	OO-ACC	Ce525A	Air Service Liège	
D-CFTG	Lj35A	Quick Air Service		OO-CLA	Ce525C	Luxaviation Belgium	
F-GJFE	Beech B200	Aero Sotravia		YR-XXC	RC690A	Primul Meridian	f/v 02
PH-NDK	Falcon 900B	Exxaero		30.D-CBEN	Ce560XLS+	Adolf Würth	
21.SP-NAZ	PA-46-350P	A. Vissers	17	D-ICBA	Ce525A	Proair Aviation	2x
YU-BTB	Ce550 Bravo	Air Pink	22	D-IHEB	Ce525	Silver Cloud Air	
22.F-GYPQ	PA-46-350P	Courant	23	EC-JIP	SA226TC	Flightline	
HB-IGV	Falcon 50EX	VF International		PH-TXA	Ce510	ASL	31 2x
OK-BII	Beech 400A	Praga Aviation	23	ZK-KNM	PAC750XL	Irish Parachute Club	f/v 31
OO-PCJ	PC-12/47E	EAPC		31.CS-LAS	Ce680A	NetJets Europe	
OO-STR	AS350B3	Stephex Stables		M-ARTY	PC-12/47E	Creston (UK)	
PH-DFD	DA42	Belgian Flight School		OK-VPI	G550	ABS Jets	f/v
PH-MFX	Ce650	JetNetherlands					
23.CS-LTE	Ce680A	NetJets Europe					
D-BEKY	Falcon 2000LX	BASF					
OO-GEE	PC-12/47E	Blue Sky Aviation	26				
PH-SEJ	P68B	CNE Air					
24.D-CAAL	Do228-202	Arcus Air	25				

Flying Group took delivery of its latest fleet addition on the 2nd. The Falcon arrived from Le Bourget. Nextgen Aviation also took delivery of a new fleet addition on the 18th. The Maltese registered aircraft has no fixed base according to the company. The former Finnmap Commander on the 28th



The PAC P-750 XSTOL utility aircraft is very popular within the parachute jump community. ZK-KNM departed Hamilton already on 19 September 2018. The aircraft arrived at Larnaca on 26 September 2018 but continued its delivery flight to the Irish Parachute Club on 29 October 2018 when it departed Larnaca. Via stops at Bari, Italy and Antwerp it arrived at its new home Clonbullogue on the 31 October 2018. (Antwerp, 31 October 2018, Walter Van Brempt)



The Grumman Greyhound is not often seen at mainland Europe. The arrival of two Greyhounds shook up the local spotting community. Paul Sanders was at the right spot when two aircraft arrived at Brussels on 11 October 2018. C-2A 162144 is part of VRC-40 Det.1 and is currently based on the USS Harry S. Truman (CVN-75). At the time this photo was taken the carrier was taking part in the Trident Juncture exercise in and around Norway.

already changed ownership in August 2017 but performed its first flight registered as PH-FMI on that day. The PAC750 on the 30th was on its way to Ireland for delivery to the Irish Parachute Club.

Credits: ASA Belgium vzw, Luchtzak.be forum.

Brussels

			October 2018				
01.177702	CC-177	429sq	dep	06.9H-MAC	B737-548	Maleth-Aero	07 MLT262/262F
N713CK	B747-4B5F	Kaliitta Air (a/w)	dep	M-AAAL	G650	Global Jet Isle of Man	
OO-JAQ	B737-8K5	TUI Belgium	dep	OK-SUN	ERJ135BJ	ABS Jets	dep
02.01-0040	C-40B	99th AS	SAM309	OM-GTG	B737-84P	Go2Sky (a/w)	
03-3127	C-17A	62nd AW		OM-KEX	B737-8BK	AirExplore	FEG3037/8
C-GOHB	Falcon 2000LX	Aviation Starlink	arr	OY-GFS	Falcon 2000LXS	Air Alsie	
CS-DFG	Falcon 2000EX	NetJets Europe	dep	TC-SGM	A310-308F	ULS Cargo	THY6337/8
CS-DXF	Ce560XLS	NetJets Europe	arr	07.9H-MAC	B737-548	Maleth-Aero	09 MLT263/263F
D-CCGN	Lj55	Quick Air Jet Charter	arr	OE-FWF	Ce510	GlobeAir	08 GAC73A/962B
D-IAAB	EMB500	Arcus Air		08.MM62246	P180	Carabinieri	arr
D-ISJP	Ce525A	Excellent Air	ECA6C	165151/151	C-20G	CFLSW Det. Sig	09 Catbird1
EI-GSH	B737-800	Ryanair	f/v RYR1452/3	D-CEIS	Ce680	E-Aviation	
LY-VEI	A320-233	SunExpress	SXS169/3JY	D-CEMS	Ce525B	Meyer Werft	
OE-FCB	Ce510	GlobeAir	dep GAC505A	D-CJPG	Lj35A	Quick Air Jet Charter	arr
OM-GTG	B737-84P	Go2Sky (a/w)		G-FXMR	Beech 400XT	Flexjet	FLJ53/4
SE-DZA	ERJ145EP	Regourd Aviation	HOP312B/4311	I-PBRA	Falcon 50EX	Sirio	08 SIO505
SP-ENX	B737-8Q8	Enter Air		M-ARIE	BAe125-800XP	Surf-Air	
03.C-215	CL-604	Esk 721	DAF5037	N280EX	G280	Flying Group	arr
09-001	G550	VIP Flt.		OE-FWF	Ce510	GlobeAir	09 GAC962C/224N
9H-MPW	B737-484	Air Horizont		OY-GFS	Falcon 2000LXS	Air Alsie	
CS-TFZ	A330-243	Hi Fly	dep HFY431P	OY-VIP	Ce550	Dansk Radio Teknik	BDI311/2
EI-GSI	B737-800	Ryanair	f/v RYR1452/3	SE-RFH	Ce680	European Flight Service	
F-HBIS	A320-214	TAP Air Portugal	04 TAP642/1	09.CC-3	C295M	TukiLLv	arr FNF361
04.016	C295M	8.BLTr (13.el)		PI-01	PC-12/47E	TukiLLv	FNF379
604	A319-112	MH 59. Sz.D. R		253	CN235M-100	101sq	IRL253
102005	Tp102D	TSFE		7T-VNM	Ce56XLS+	Star Aviation	
03-3127	C-17A	62nd AW	RCH475	9A-JSD	Ce525A	Jung Sky	
9H-MAC	B737-548	Maleth-Aero	05 MLT260F/260	9H-VJT	Global 6000	VistaJet Malta	VJT971
CS-TQP	A330-202	Hi Fly	dep EIN993	D-CRON	C5560XLS	Silver Cloud Air	SCR762
D-BANN	CL-300	RNG	dep	D-ISAG	Raytheon 390	Peak Air – Spitzke	10
EI-GSJ	B737-800	Ryanair	f/v RYR1452/3	F-HOLY	A109SP	Skycam Helicopteres	
05.9H-MAC	B737-548	Maleth-Aero	06 MLT261F/261	146/XR	TBM-700A	ET00.041	
CS-DXN	Ce560XLS	NetJets Europe	dep	LY-NVZ	A320-214	SunExpress	SXS231/3JY
D-BANN	CL-300	RNG	dep	M-ABGV	Lj45XR	Ryanair	
D-CMED	Lj55	Quick Air Jet Charter		M-EGGA	Beech B200	Langley Aviation	
D-IEMO	Raytheon 390	Privateways		OM-GTG	B737-84P	Go2Sky (a/w)	
G-IPAX	Ce560XL	Air Charter Scotland		10.L1-01	Falcon 2000EX	Slovenian Air Force	LSV101
LX-LAR	Lj35A	Luxemb. Air Rescue		69-040	C-160D	221 Filo	TUAF408
OE-GTE	Ce560XLS+	Porsche Air Service		D-AIKJ	A330-343E	Eurowings	arr DLH9923
OY-NPG	SA227DC	North Flying	06	G-DHLG	B767-3JHFER	DHL Air	11 DHK82/119
				N381SK	ERJ140LR		
				11.162144/55	C-2A	VRC-40 Det.1	12 RG02
				162171/51	C-2A	VRC-40 Det.1	12 RG01
				D-CHDJ	Ce560XLS	Excellent Air	ECA6C
				EC-LZJ	A330-302E	Iberia	IBE3214/05
				EK73797	B737-505	Air Moldova	MLD801/2
				EZ-B022	CL-605	Gov'mnt of Turkmenistan	12 TUA3225/6
				F-HOLY	A109SP	Skycam Helicopteres	
				M-FISH	G-V	Business Air	

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N312AF	Global 6000	Jet Avn Flight Services	arr JAS128	D-INCS	Ce525	Jetkontor	JKH321
N440QS	G450	NetJets	arr	F-HLRX	Falcon 2000S	Michelin Air Services	
N604GF	CL-604		12	F-HRCA	Ce525	RC Air	17
OK-SWW	B737-7Q8	SmartWings	CSA636/7	G-XAVB	Ce510	Gama Aviation	GMA629
TC-MLA	EMB550	Bonair	dep	HB-JSG	CL-605	Scintilla	
12.985	B767-3Y0ER	Grupo 10	arr FACH01	LY-NVZ	A320-214	SunExpress	SXS231/3JY
162171/51	C-2A	VRC-40 Det.1	RG01	OK-FTR	Ce510	CTR Group	dep
G-RJXJ	ERJ135ER	Loganair	f/v BMR67CM/2002	OK-SWW	B737-7Q8	SmartWings	CSA630/1
RA-96023	Il-96-300	Rossiya	RSD032	VN-A868	B787-9	Vietnam Airlines	19 HVN1
14.CS-GLE	Global 6000	NetJets Europe	15 NJE468P/329W	17.2801	A319-115X	241.sdl	19 CEF02
EK73797	B737-505	Air Moldova	MLD801/2	C-172	CL-604	Esk 721	arr DAF002
OY-JTY	B737-7Q8	Jet Time	FIN1545/6	68/F-RAFA	Falcon 7X	ET00.060	19 CTM2
PH-VBG	Falcon 2000EX	JetNetherlands	15	15+02	A319-115X	FBS BMVg	19 GAF865
RA-78835	Il-76MD	Russian Air Force	19 TTF9075/6	678	G-V	352 MMYP	19 HAF352B
T7-TAV	CL-650	FTC Aviation		258	Lj45	MATS	IRL258
ZS-GAW	A320-231	Corendon	CAI725/6	08	C-27J	Transporto Esk	LYF166
15.253	CN235M-100	101sq	IRL253	M48-02	Global Express	2Skn	18 RMF414
G-988	C-130H	336sq	NAF22	17401	Falcon 50	Esq504	19 AFP03
9H-BOO	CL-850	Air X Charter	arr AXY1506	T.18-1/45-40	Falcon 900B	451 Esc	arr AME4572
CS-DLC	Falcon 2000EX	NetJets Europe	16 NJE971E/436N	102004	TP102C	TSFE	SVF639
D-BOBI	Falcon 2000LX	BASF		98-0002	C-32A	1st AS	SAM572
D-BONN	Falcon 2000LX	Jet Aviation Deutschland		2-DEER	B787-8	Deer Jet Airlines	20 KHM01
D-CAUW	Ce560 Encore	Stuttgarter Flugdienst	FFD421	9A-CRO	CL-604	Government of Croatia	19
EC-LYK	G650	Gestair	GES041K	9H-VFH	CL-605	VistaJet Malta	VJT1
G-KRBN	EMB505	Catreos	VCG1BN/2BN	D-IDAZ	Ce525	Donau Air Service	18
OY-RAB	Falcon 7X	Air Alsie	MMD5013	EC-MXM	B737-800	Air Europa	AEA1171/2
N100HG	G-V	Harbour Group Industries	dep	ES-PVR	Lj60	Panaviatic	arr VPC9
N101VQ	Falcon 2000LX	Peter & Martha Morse	dep	G-RSXP	Ce560XLS+	Catreos	
N887WT	G650ER	Qualcomm	arr	G-SHUI	Ce680A	Air Charter Scotland	
N906TF	Falcon 7X	Tyson Shared Services	arr	LZ-OOI	Falcon 2000	Republic of Bulgaria	19 BGF004
OY-RAB	Falcon 7X	Air Alsie	MMD5013	M-GLEX	Global Express	CPI Aviation	arr
SX-ODS	A320-232	Orange2fly	dep JAF478F	N194WF	Global XRS	Challenger Administration	arr
VP-BIB	Ce525C	Omy Aviation	16	N604BA	CL-604	B&A Constructor	18
VP-BNW	BAe125-850XP	Sirius-Aero	CIG1671	N744C	Falcon 8X	Centrale North America	arr
16.025	C295M	8.BLTr (13.el)		OE-FCB	Ce510	GlobeAir	GAC728X/162K
MM62249	P180	GEA	17 I2248	OH-WIC	CL-604	Jetflite	arr JEF11
98-0002	C-32A	1st AS	SAM572	OK-TVU	B737-86N	SmartWings	18 TVS437F/3434
B-2480	B747-89L	Air China	19 CCA018	OM-BYK	A319-115X	Government of Slovakia	19 SSG002
CS-DXU	Ce560XLS	NetJets Europe	NJE808L/144G	SP-LIH	ERJ175LR	Government of Poland	19 LOT7031/2
CS-PHG	EMB505	NetJets Europe	NJE446L/713U	UP-A3001	A330-243	Gov'mnt of Kazakhstan	19 BEC001
D-ABMW	G550	BMW Flugdienst	17	V8-BKH	B747-8LQ	Government of Brunei	19
D-ADCL	G550	DC Aviation	DCS101	VT-EVB	B747-437	Air India	20 AIC1
D-CAWR	Ce560 Encore+	Aerowest		YR-IGP	ERJ135BJ	Toyo Aviation	19 TOY001
D-CSAG	EMB505	Sudzucker Reise Service		Z3-MKD	Lj60	Government of Macedonia	18
D-IEKU	Ce525A	Excellent Air	ECA6C	18.C-172	CL-604	Esk 721	arr DAF4393



Scandinavian placed its first order for the A320neo in 2016. SE-ROA was added to the fleet in August 2017. On 16 May 2018 the company announced that they had launched new high speed WiFi on its short and medium haul routes between Scandinavia and Europe. Scandinavian announced on 4 October 2018 that they had wrapped the aircraft in a special The Rain cover to illustrate their new high speed wifi. (Brussels, 9 October 2018, Remco de Wit)



Delivered to Zhejiang Airlines, owned by China National Aviation Holding, in December 1998. Air China absorbed Zhejiang Airlines when CNAC was merged into Air China. Withdrawn from use the A320 was added to the Sky Angkor Airlines fleet as XU-719 in January 2018. It was leased to Avion Express in May 2018 as LY-NVZ for the summer season and subleased first to Thomas Cook for a few weeks and then to SunExpress for the rest of its summerlease. The aircraft was returned to Sky Angkor Airlines in November 2018. (Brussels, 9 October 2018, Remco de Wit)

20-1101	B747-47C	701 Hikotai	19 JF01	N400J	G450	Johnson & Johnson	arr
20-1102	B747-47C	701 Hikotai	19 JF02	OK-EAS	Beech 400XTi	Time Air	24 TIE727Y/749Y
10001	B747-4B5	296sq	19 KAF001	OK-TSC	B737-8FH	SmartWings	LOT233/4
100008/008	Tp100C	72 ASC sq	SVF646	OM-GTG	B737-84P	Go2Sky (a/w)	
102004	Tp102C	TSFE	SVF639	OO-ABB	A340-313E	Air Belgium	JAF704/704P
T-785	Falcon 900EX	LTDB	SUI026	VP-BIB	Ce525C	Omy Aviation	25
60204/HS-TYV	A340-541	Royal Thai Air Force	RTAF204	24.1962	C-27J	Dopravné krídl	
CS-GLE	Global 6000	NetJets Europe	19 NJE329W/733F	605	A319-112	MH 59. Sz.D. R	HUAF825
F-HLRX	Falcon 2000S	Michelin Air Services		14+02	Global 5000	FBS BMVg	arr GAF676
OK-SWW	B737-7Q8	SmartWings	CSA630/1	99-0004	C-32A	1st AS	SAM634
PH-VBG	Falcon 2000EX	JetNetherlands	19	9H-YOU	CL-850	Air X Charter	arr AXY2406
RA-64524	Tu-214SUS	Rossiya	RSD822	CS-TQP	A330-202	Hi Fly	25 BAF600/HFY272P
RA-96020	Il-96-300	Rossiya	19 RSD702	D-AOLG	Fokker 100	Idealtours	25 ATV302G/025G
RA-96023	Il-96-300	Rossiya	19 RSD034	EC-KXN	B747-4H6	Wamos Air	JAF327P/327
VP-CMC	G450	Jet Aviation Business Jets	arr	F-HRAM	ERJ145LU	Regourd Aviation	AEH251/251F
19.MM62209	A319-115X	306° Gruppo TS	IAM9002	JA873A	B787-9	ANA (spec.c/s)	ANA231/2
08	C-27J	Transporto Esk	LYF166	M-RONE	Falcon 2000EX	Dunard Engineering	25
L1-01	Falcon 2000EX	Slovenian Air Force	dep LSV101	UR-CQV	An-26B	Vulnar Air	dep VKA151
T.18-1/45-40	Falcon 900B	451 Esc	AME4572	25.1962	C-27J	Dopravné krídl	
T-785	Falcon 900EX	LTDB	SUI026	604	A319-112	MH 59. Sz.D. R	HUAF826
ZE700	BAe146 CC2	32(TR)sq	dep	MM62244	Falcon 900EX	93° Gruppo TS	IAM3170
F-HOLY	A109SP	Skycam Helicopteres		9H-VCF	CL-350	VistaJet Malta	VJT498
S5-AFG	Saab 2000	Adria Airways	ADR376/7	CS-DQA	Ce560XLS	NetJets Europe	25 NJE270Q/248Y
TC-SAB	CL-605	Döysa Air		CS-GLE	Global 6000	NetJets Europe	NJE209R/725Q
20.A7-BFE	B777-F	Qatar Airways	div QTR8193	D-CSCA	Ce525B	Silver Cloud Air	SCR378
A7-BFL	B777-F	Qatar Airways	div QTR8158	F-GLLM	Falcon 8X	Xtream	DSO23XR/24LM
EC-JPF	A330-202	Air Europa	AEA1173/4	F-HEVL	EMB505	Evolem	25 EVL242/50
EC-KQC	B747-412	Wamos Air	JAF601P/601	F-HJCD	Falcon 2000LXS	J.C. Decaux	26
N546JN	MD-11F	Western Gl. (a/w)	div CMB522/WGN522	F-HRAM	ERJ145LU	Regourd Aviation	AEH252/252F
OO-ABB	A340-313E	Air Belgium	21 JAF703P/703	HA-JEV	Ce650	Jet Stream	
RA-96023	Il-96-300	Rossiya	RSD032	OK-SWA	B737-8	SmartWings	26 CSA636/LOT9003
TF-AMM	B747-4H6(F)	Astral Aviation	div ACP2604	OK-SWW	B737-7Q8	SmartWings	CSA630/1
VQ-BHE	B747-4KZF	AirBridgeCargo	div ABW523	OK-TSC	B737-8FH	SmartWings	LOT235/6
21.CS-TQP	A330-202	Hi Fly	22 HFY271P/BAF600	OK-TSC	B737-8FH	SmartWings	LOT233/4
D-IBJJ	Ce525A	Air Hamburg	22 AHO615S	OK-TVU	B737-86N	SmartWings	TVS3435
EK73797	B737-505	Air Moldova	MLD801/2	TC-AAA	CL-605	Bon Air	
N272BG	G550	Contrail Aviation	25	26.102004	Tp102C	TSFE	SVF633
22.MM62245	Falcon 900EX	93° Gruppo TS	arr IAM3125	EC-KXN	B747-4H6	Wamos Air	27 JAF328/328P
9H-MIR	CL-604	Hi Fly Malta	HFM3	OK-TSC	B737-8FH	SmartWings	LOT235/6
EC-KQC	B747-412	Wamos Air	JAF602/602P	27.EC-LPG	CRJ1000	Air Nostrum	28 ANE221/3195
F-HOLY	A109SP	Skycam Helicopteres		28.CS-DXJ	Ce560XLS	NetJets Europe	29 NJE626A/361N
OE-FZC	Ce510	GlobeAir	GAC900J/628A	EK73797	B737-505	Air Moldova	MLD801/2
OE-GDP	EMB505	Speedwings	SPG759	F-HOLY	A109SP	Skycam Helicopteres	
23.FAC0001	B737-74V	GRUVE 82	24	29.10+23	A310-304	FBS BMVg	
9H-SFK	Falcon 7X	TAG Aviation Malta		V-11	G-IV	334sq	
9H-YOU	CL-850	Air X Charter	arr	C-GDPF	Global XRS	Execaire	dep
CS-DQA	Ce560XLS	NetJets Europe	24 NJE689W/342U	N152QS	Global 6000	NetJets	arr
CS-GLE	Global 6000	NetJets Europe	NJE683P/653B	OE-FXM	Ce525A	Speedwings	SPG773
D-CAHO	Ce560XLS+	Air Hamburg	AHO896T	OM-HEX	B737-81Q	AirExplore	dep JAF129P
LY-COM	A320-212	SunExpress	SXS4JD/3JY	30.10+23	A310-304	FBS BMVg	

557	G-IV	4sq	
T-785	Falcon 900EX	LTDB	
B-8287	A330-343E	Hainan Airlines	CHH491/2
C-GDPF	Global XRS	Execaire	arr
D-BONN	Falcon 2000LX	Jet Aviation Deutschland	2x
D-CBCT	Ce525C	Aero	31
D-IETB	Raytheon 390	Privateways	PWY165E/363A
LX-JFW	PC-12/47E	Jetfly Aviation	
LX-SEH	Ce560XLS	Luxaviation	
TC-CMB	LJ45	Redstar Aviation	31
31.9H-CGH	Falcon 50EX	Elit'Avia Malta	
F-HOLY	A109SP	Skycam Helicopteres	
OK-SWW	B737-7Q8	SmartWings	CSA636/7
OY-VIP	Ce550	Dansk Radio Teknik	01 BDI312/3

The TUI Belgium Boeing 737 on the 1st departed in basic colours to Miami on winter lease to Miami Air. On the 3rd Air Horizont took Dynamo Zagreb to Brussels for a football game against Anderlecht. The Embraer on the 10th was on its way to South Africa in basic American Eagle colours. Also on the 10th the arrival of an Airbus in Eurowings colours prior transfer to Brussels Airlines. Two Navy Greyhounds arrived on the 11th. Both departed the next day but one returned that day for another short visit. On the 12th a Boeing 767 of the Chilean Air Force arrived for the ASEM meeting. The Loganair Embraer on the 12th was re-registered to G-SAJB a few weeks later. Also on the 12th the first visitor for the Asia-Europe Meeting taking place one week later. The Global Aviation Operations Airbus leased to Corendon paid its last visit to Brussels on the 14th. It was returned to Global Aviation Operations on the 16th. The Orange2fly Airbus on the



Brussels gets its fair share of aircraft that are on their way to a new operator in the African region. Embraer N381SK is a former American Connection aircraft and was operated by Chautauqua Airlines as is shown by its colours. It was caught on camera while on its delivery flight to South African AirlinK. (Brussels, 10 October 2018, Paul Sanders)

15th departed after its lease to TUI Belgium. More visitors for the ASEM meeting started to arrive on the 16th with the bulk of the visitors arriving on the 17th. More arrived on the 18th with the majority departing on the 19th. Due to weather some aircraft destined for Liege diverted to Brussels on the 20th. Brussels Airlines started to replace the RRJ-85B for the CanadairJet. Being operated by Air Nostrum the first aircraft arrived on the 27th and operated its first flight for Brussels Airlines the next day. The Boeing 737 leased to TUI Belgium was returned to AirExplore on the 29th.

Credits: Luchtzak forum, Scramble forum.

Kleine Brogel

October 2018			
01.H26	A109BA	17sq/1w	*
PH-LAB	Ce550	NLR - TU Delft	
03.CH03	C-130H	20sq	*
05.CH03	C-130H	20sq	*
08.CH03	C-130H	20sq	*
12.ST47	SF260D	CC Air	*

15.RN06	NH90-TTH	18sq/1w	*
16.10-0217	C-17A	62nd AW	17
17.FA89	F-16AM	2w	
FA133	F-16AM	2w	
ST43	SF260D	CC Air (grey c/s)	*
LX-N90443	E-3A	NAEW&CF	*
09-4177/FF	F-22A	94th FS	
10-4194/FF	F-22A	94th FS	
22.CH03	C-130H	20sq	*
FA72	F-16AM	2w	
FA133	F-16AM	2w	*
29.CH12	C-130H	20sq	*
31.CH12	C-130H	20sq	*

On 17 October a first visit of the F-22 Raptor at Kleine Brogel. Two examples visited the base while on deployment at Lakenheath. On the local side FA77 could be noted again, this was the full colour tiger from 2016. It returned from maintenance at SABCA.

Credit: Toon Cox, Andrew Timmerman.

Koksijde

October 2018			
01.FA134	F-16AM	10w	*
L-04	PC-7	131EMVOsq	*
02.17	AS365N2	35F	
03.FA56	F-16AM	10w	2x *
FB22	F-16BM	2w	*
H24	A109BA	17sq/1w (spec mks)	
PH-LAB	Ce550	NLR - TU Delft	
08.1x	SF260D/M+	CC Air	
FA95	F-16AM	10w	*

09.FB18	F-16BM	10w	*
FB23	F-16BM	10w	*
274	AW139	301sq	*
10.1x	SF260D/M+	CC Air	*
CH11	C-130H	20sq	4x *
ST24	SF260M+	CC Air	*
12.ST41	SF260D	CC Air	*
15.G16	MD902	Federal Police	
ST41	SF260D	CC Air	
19.ST45	SF260D	CC Air	2x *
22.CH11	C-130H	20sq	*
24.N-324	NH90-NFH	860sq	*
26.1x	SF260M+	CC Air (Red Devils c/s)	*
FB22	F-16BM	2w	*
ST47	SF260D	CC Air	3x *
29.FA127	F-16AM	10w	*
31.ST04	SF260M+	CC Air (yellow c/s)	3x *

Credits: Wim Houquet, Mike Derijcke, Filip Candaele, Christopher Noens, Niels De Ruyck, Ruben Theuninck, Kenny Plaetevoet.



This former Air New Zealand passenger aircraft was converted to freighter in 2011. It was delivered to Southern Air that same year until December 2013 when it was withdrawn from use. Air Atlanta Icelandic added the Jumbo to its fleet in 2015 and has operated it for Saudia three years. TF-AMN is being operated for Magma Aviation and received corresponding Magma titles in June 2018. (Liège, 10 October 2018, Remco de Wit)

Liège

October 2018			
01. G-CLAB	B747-83QF	CargoLogicAir	CLU702/42
N700CK	B747-4R7F	Kalitta Air	02 CMB161
02. N700CK	B747-4R7F	Kalitta Air	07 CKS9161
OE-FCB	Ce510	GlobeAir	03GAC494B/203D
OM-FWW	Raytheon 390	Tatra Jet	arr
UR-82009	An-124-100	Antonov Design Bureau	03 ADB2618
03. N782CK	B747-4HQERF	Kalitta Air	dep CMB528
N782CK	B747-4HQERF	Kalitta Air	04 CKS9528
05. N702CK	B747-4B5F	Kalitta Air	CMB164
N710CK	B747-4B5(F)	Kalitta Air	dep CKS9544
N782CK	B747-4HQERF	Kalitta Air	CMB556
UR-CQD	An-26B	Vulkan Air	arr
06. LX-SEH	Ce560XLS	Luxaviation	dep
N708CK	B747-4B5(F)	Kalitta Air	CMB574
07. N710CK	B747-4B5(F)	Kalitta Air	dep CKS9572
08. 9H-WFC	ERJ135BJ	Air X Charter	arr
N702CK	B747-4B5F	Kalitta Air	CMB505
N708CK	B747-4B5(F)	Kalitta Air	09 CMB165
09. 274	AW139	301sq	arr
D-IWIR	Ce525A	Excellent Air	arr
LX-LAR	Lj35A	Luxembourg Air Rescue	
N702CK	B747-4B5F	Kalitta Air	CMB521
N708CK	B747-4B5(F)	Kalitta Air	10 CKS9166
11. N708CK	B747-4B5(F)	Kalitta Air	12 CMB563
15. CS-DXS	Ce560XLS	NetJets Europe	dep
G-CLAB	B747-83QF	CargoLogicAir	CLU702/42
HB-ALL	ATR72-202(F)	Zimex Aviation	IMX501F/501
	N740CK		
	T7-TAV		
17. UR-82009	An-124-100		
18. A7-HHM	A330-202		
A7-HJJ	A330-202		
D-IEKU	Ce525A		
19. A7-HHM	A330-202		
21. A7-HJJ	A330-202		
N713CK	B747-4B5F		
22. G-CLAB	B747-83QF		
N546JN	MD-11F		
23. F-HITM	Beech 400A		
24. N713CK	B747-4B5F		
OE-FZC	Ce510		
VP-BVZ	B737-524		
25. C-GMCP	Lj45		
N797AS	B737-490(F)		
UR-CAH	An-12BK		
26. N713CK	B747-4B5F		
27. PH-DWS	ERJ135LR		
29. CS-PHJ	EMB505		
D-CKNA	Ce525C		
G-CLAB	B747-83QF		
N496BC	B747-4B5BCF		
30. 4X-EKJ	B737-85P		
EC-KXN	B747-4H6		
F-HITM	Beech 400A		
HB-ALL	ATR72-202(F)		
N446MC	B747-4B5ERF		
SP-SPG	ATR72-202		
	Kalitta Air		
	FTC Aviation		
	Ant. Des. Bur.		
	Government of Qatar		
	Government of Qatar		
	Excellent Air		
	Government of Qatar		
	Government of Qatar		
	Kalitta Air		
	CargoLogicAir		
	Western Global (a/w)		
	Beech 400A		
	Kalitta Air		
	GlobeAir		
	UTair		
	Skyservice Business Aviation		
	ASL Airlines Belgium		
	Ukraine Air Alliance		
	Kalitta Air		
	Air Charters Europe		
	NetJets Europe		
	Star Wings Dortmund		
	CargoLogicAir		
	Kalitta Air		
	EI AI		
	Wamos Air		
	Air ITM		
	Zimex Aviation		
	Atlas Air		
	SprintAir		
	CMB163		
	dep		
	19 ADB385F/2637		
	QAF3		
	QAF5		
	arr		
	21 QAF3		
	QAF5		
	CMB163		
	CLU702/42		
	WGN189/CMB189		
	MQT53		
	25 CMB531		
	GAC517B/E		
	26 UTA9009/10		
	del JTN8202		
	26 - /JKL4078		
	CMB549		
	31 JNL959/498		
	NJE9FF/828H		
	STQ444		
	CLU702/42		
	30 CMB161		
	ELY333/2		
	JAF352/352P		
	MQT53		
	IMX501F/501		
	GTI543		
	arr		



Registered to Aeropycsa SA de CV this Gulfstream G-V was initially delivered to Macair as LV-ZXI. It is active in Mexico from April 2002 first as XA-EAJ, from 2010 as XA-JEF and for its current operator from August 2011. (Ostend, 22 October 2018, Andre Deblauwe)

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31. C-GMCP	Lj45	Skyservice Business Aviation	
EC-IRS	SA227BC	Zorex Air Transport	dep
G-CIFE	Beech B200	2 Excel Aviation	BRO35
LN-OLT	AS365N3	Lufftransport	arr
SP-KPZ	Saab 340A(F)	SprintAir	arr SRN032
SP-SPG	ATR72-202	SprintAir	arr SRN091

The helicopter on the 31st arrived from Maastricht to where it had diverted the day before.

Credits: Luchtzak.be forum, flymst.nl forum, flightaware.com.

Ostend-Bruges

October 2018			
01. G-MCGU	AW189	Bristow Helicopters	CG163
OO-HCE	AS355N	Heli & Co	
OO-JCV	PC-12/47E	Nextgen Partners	dep
02. OE-FZB	Ce510	GlobeAir	GAC932Y/Z
OO-SBA	A321-231	VLM Airlines (a/w)f/v	TCW923T/9234
OO-SNG	A320-214	Brussels Airlines	f/v BEL9933/1041
03. D-ASSY	Falcon 7X	Adolf Würth	
D-IAAW	EMB500	Arcus Air	AZE011D/49XU
ER-BBJ	B747-412F	Aerotrans Cargo	ATG6619/20
HA-TAG	Saab 340A	Fleet Air International	FRF300/301
N743CK	B747-446(F)	Kalitta Air	04 CKS9518/233
04. G-EZAJ	A319-111	easyJet	tst EZY9092/3
OO-HCE	AS355N	Heli & Co	
OO-SBA	A321-231	VLM Airlines	TCW9345/34F
OO-SNC	A320-214	Brussels Airlines	BEL1042/9934
05. 522	AS565SA	36F	
F-HYPE	EC120B	Poseidon Lux. Seafront Real Estate	
G-BVYF	PA-31-350	Charles Winterton	
G-JOTE	BAe146-300QT	JOTA Aviation	f/v ENZ107/108
OM-OIG	BAe125-800XP	VR Jet	
06. C-FMCY	CRJ100LR	Voyageur Airways	07 VAL200
D-IAAT	EMB500	Arcus Air	AZE19UD
EC-GXJ	SA226TC	Flightline	FTL001/2,003/4
07. N707SN	SF50	Vision Jet	
OO-HCE	AS355N	Heli & Co	
OO-JWB	PC-12/47E	Nextgen Partners	08
08. G-SPRE	Ce550B	Xclusive Air Charter	XJC002
OO-JWB	PC-12/47E	Nextgen Partners	09
09. OO-JWB	PC-12/47E	Nextgen Partners	10
10. N700CK	B747-446F	Kalitta Air	CKS9233/233
OO-JWB	PC-1247E	Nextgen Partners	11
11. G-NBCA	PC-12/47E	Narm Aviation	12
OO-JWB	PC-12/47E	Nextgen Partners	
13. C-GJZJ	CRJ200ER	Voyageur Airways	14 VAL200
N708CK	B747-4B5(F)	Kalitta Air	f/v CKS207/4207
14. N744CK	B747-446(F)	Kalitta Air	CKS203/233
OO-JCV	PC-12/47E	Nextgen Partners	16
15. HB-ALL	ATR72-202(F)	Zimex Aviation	17 IMX501/501F
N1134G	Beech 350i	Royal Thai Survey Department	

16. OO-CLA	Ce525C	Luxaviation Belgium	AAB201
UR-CAH	An-12BK	Ukraine Air Alliance	17 UKL4092/14
YL-RAD	An-26B	RAF-Avia	MTL435P
17. OO-JCV	PC-12/47E	Nextgen Partners	18
18. EC-JIP	SA226TC	Flightline	FTL541/2
OO-JCV	PC-12/47E	Nextgen Partners	19
19. ER-BAM	B747-409(F)	Aerotrans Cargo	ATG6633/4
ER-BAM	B747-409(F)	Aerotrans Cargo	20 ATG6635/6
F-HTTO	Global 5000	Flying Group	FYG620/630
N745CK	B747-446(F)	Kalitta Air	CKS203/233
OO-JCV	PC-12/47E	Nextgen Partners	22
21. 9A-JIM	Ce525A	Air Pannonia	
N670JD	Falcon 900	Amber Services	WDY670
22. XA-KUO	G-V	Aeropycsa	
23. 0216	M-28B/PT	8.BLTr (12.el)	26
D-IADV	Ce551	MCH Holding	
F-FZFM	A320-216	Air Corsica	24 CCM830/1
F-HEMI	Ce525A	Valljet	VLJ803H
24. 3A-MGA	Falcon 8X	Government of Monaco	
M-KATE	A319-133X	Sophar Property Holding	25 VIP052
OO-JWB	PC-12/47E	Nextgen Partners	25
25. D-CAAR	Do228-212	Arcus Air Logistics	AZE34B/41B
HA-TAG	Saab 340A	Fleet Air International	FRF303/
OO-JWB	PC-12/47E	Nextgen Partners	27
26. D-ASBG	Falcon 900LX	Airservice Bremgarten	
OO-SSE	A319-111	Brussels Airlines	tst BEL9951/2
29. D-CSOS	Lj45	Jetcall	JCL1
31. 9H-JDV	Ce525M2	Nextgen Aviation Malta	f/v
D-ASBG	Falcon 900LX	Airservice Bremgarten	01
ER-BBJ	B747-412F	Aerotrans Cargo	arr ATG6638

EgyptAir Cargo:

SU-GAS	05, 07, 14, 21, 28, 30	SU-GCE	02, 07, 11, 18, 25, 26
SU-GAY	23		

TUI Belgium:

OO-JAD	01-06, 22-24 daily	OO-MAX	26, 26/27
OO-JAF	05-21 daily	OO-TEA	14-19 daily
OO-JAU	13-18 daily	OO-TMA	06-13 daily
OO-JAX	01, 02, 03, 04, 06	OO-TMY	28
OO-JEB	01, 02, 03	OO-TUP	19, 20
OO-JEM	09-14, 19-22, 24-31 daily	OO-TUV	05, 20-31 daily
OO-JVA	03-09 daily	OO-TUX	25

The helicopter on the 1st was in Coast Guard colours. Both first visits on the 2nd were Club Brugge charters. EasyJet operated a training flight on the 4th as did Brussels Airlines on the 26th. Voyageur Airways ferried two CanadairJets via Ostend. The first one made a stop at Ostend on the 6th on its way to North Bay, Canada after UN duties and the second aircraft made a stop on the 13th enroute to Africa prior UN duties. Both aircraft had United Nations titles. The Beech on the 15th was on its way to its new home in Thailand.

Credit: Replo.be. Nik Deblauwe, Andre Deblauwe.



This Citation CJ2+ was originally delivered to the Islands Group in 2011 as M-ICRO. It was transferred to the Pektron Group in 2017 as M-ICRC. Currently F-HEMI is being operated by Valljet. The Cessna 525A was registered to on 8 October 2018 with Icarelux as owner. (Ostend, 23 October 2018, Nik Deblauwe)



This Rossiya Il-96-300 was seen in primer on the assembly line in February 2016. RA-96023 was part of the entourage of the President of Russia in relation to the ASEM meeting being held in Brussels just like the other two aircraft on this page. (Brussels, 18 October 2018, Patrick Vercauteren)



Linenumber 76-09 was delivered to 196 vtap as СССР-78835 in May 1990. The Ilyushin was first seen in 1997 registered as RA-78835. In 2006 the Il-76MD was seen without titles but with the '224 LO' badge. (Brussels, 14 October 2018, Wout Goossens)



Tupolev RA-64524 was rolled out in October 2011. The Tu-214SUS was handed over to Rossiya in April 2012. The aircraft is a so-called airborne communication center. (Brussels, 18 October 2018, Yannick van Praag)

Military Movements Elsewhere



No need to refresh your knowledge of Arabic numerals, this Egypt Air Force C-130H-30 has all the details. Serial 1294 has its Arabic serial above the rear cargo door and also carries the semi-civilian registration SU-BKT. It arrived from Paris-Le Bourget and departed to Egypt. (1 November 2018, Chateauroux-Déols, Dominique Meunier)

Germany

Geilenkirchen		October 2018	
01.57-1419	KC-135R	133rd ARS NH ANG	dep RCH695
59-1498	KC-135R	132nd ARS ME ANG	05 RCH202
D-HEGM?	AS332M	Bundespolizei	* BPO21
02.D-HEGZ?	AS332M	Bundespolizei	* BPO22
04.57-1432	KC-135R	191st ARS UT ANG	RCH151
05.58-0030	KC-135R	132nd ARS ME ANG	dep RCH469
08.61-0276	KC-135R	173rd ARS NE ANG	19 RCH215/170
63-7988	KC-135R	173rd ARS NE ANG	19 RCH325/211
D-CGFG	Lj35A	GFD	GFD91
09.D-CGFG	Lj35A	GFD	GFD91
10.G-273	C-130H-30	336sq	* NAF73
D-CGFG	Lj35A	GFD	* GFD91
12.OO-TFA	B757-28C	ASL Airlines	TAY5014/501P
15.15-20745	UH-60M	A/1-214th AVN	Duke78
17.C-215	CL604	Esk.721	DAF4814
18.57-1419	KC-135R	133rd ARS NH ANG	31 RCH220
19.OO-TFA	B757-28C	ASL Airlines	TAY502P
22.5119/61-PC	C-130H	ET02.061	OSY19T
59-1522	KC-135R	108th ARS IL ANG	RCH346
62-3576	KC-135R	108th ARS IL ANG	RCH525
OO-TFA	B757-28C	ASL Airlines	TAY502/5017
23.N-277	NH-90NFH	860sq	Guardian24
D-HEGZ	AS332M	Bundespolizei	* BPO22
D-HVBW	EC135T	Bundespolizei	* BPO24
24.OO-TFA	B757-28C	ASL Airlines	TAY502/5015
25.45+94	Tornado IDS	TLG33	* GAFE43
G-273	C-130H-30	336sq	* NAF71
26.5119/61-PC	C-130H	ET02.061	OSY19T
G-988	C-130H	336sq	* NAF71
29.1501	C-130E	14.Eltr	31 PLF251
30.MM62286	P180	nmks	31 IAM1495
63-8881	KC-135R	191st ARS UT ANG	31 RCH611

Credits: Rolf Flinzner, Scramble messageboard.

Nürnberg		October 2018	
01.0062/F-RBAL	A400M	ET01.061	CTM1075
54+02	A400M	LTG62	GAF243
02.95-00123	UC-35A	E/1-214th AVN	Duke62
04.84-00162	C-12U	E/1-214th AVN	Duke60
05.54+18	A400M	LTG62	GAF083
08.06-8611/RS	C-130J-30	37th AS	Herky784

09.10+23	A310-304MRTT	FBS BMVg	GAF156
73+45	UH-1D	THR30	* Joker40
97-00102	UC-35A	E/1-214th AVN	Duke62
11.09-72097	UH-72A	JMRC	* Army72097
09-72106	UH-72A	JMRC	* Army72106
16.97-00102	UC-35A	E/1-214th AVN	Duke62
04-3142/RS	C-130J-30	37th AS	Herky11
15-5822/RS	C-130J-30	37th AS	Herky13
16-5840/RS	C-130J-30	37th AS	Herky12
16-20849	UH-60M	3-4th AVN	* Army20849
04-05429	AH-64D	1-3rd AVN	*
04-05444	AH-64D	1-3rd AVN	*
17.07-4635/RS	C-130J-30	37th AS	Herky616
18.84-00157	C-12U-3	E/1-214th AVN	Duke60
16-20841	UC-35A	3-4th AVN	* Army20841
19.97-00102	UC-35A	E/1-214th AVN	Duke98
14+02	Global 5000	FBS BMVg	GAF613
LJ-2	Lj35A	TukiLLv	dep FNF117
22.73+63	UH-1D	THR30	* Joker99
23.10-20311	UH-60M	A/1-214th AVN	25 Duke53
15-20741	UH-60M	A/1-214th AVN	25 Duke93
24.LJ-2	Lj35A	TukiLLv	25 FNF117
97-00105	UC-35A	E/1-214th AVN	Duke87
25.84-00162	C-12U	E/1-214th AVN	Duke60
LJ-2	Lj35A	TukiLLv	FNF117
29.10+25	A310-304MRTT	FBS BMVg	GAF953
54+16	A400M	LTG62	GAF051
04-3142/RS	C-130J-30	37th AS	Herky13
15-5822/RS	C-130J-30	37th AS	Herky13
31.604	A319J-112	MH 59. Sz.D. REB.	HUAF829
84-00162	C-12U-3	E/1-214th AVN	Duke62

Credits: MAR, Scramble messageboard.

Ramstein		October 2018	
01.LJ-1	Lj35	TukiLLv	FNF376
87-0032	C-5M	60th AMW	09 RCH150
00-0178	C-17A	89th AS AFRC	02 RCH280
00-0180	C-17A	62nd AW	03 RCH410
01-0191	C-17A	436th AW	04 RCH105
01-0192	C-17A	137th AS NY ANG	dep RCH141
06-6159	C-17A	60th AMW	02 RCH417
07-7173	C-17A	436th AW	dep RCH111
10-0213	C-17A	437th AW	dep RCH170
10-0215	C-17A	437th AW	dep RCH220
07-4637	C-130J-30	19th AW	05 Lion438/442

92-26425	UH-60L	A/2-4th AVN	Army26425	07-7185	C-17A	437th AW	07 RCH980
166376	C-37B	VR-1	VV500	08-8201	C-17A	62nd AW	07 RCH690
02.94-0067	C-17A	137th AS NY ANG	03 RCH423	09-9207	C-17A	437th AW	08 RCH315
01-0189	C-17A	155th AS TN ANG	dep RCH139	09-9210	C-17A	62nd AW	dep RCH846
01-0192	C-17A	137th AS NY ANG	03 RCH141	10-0213	C-17A	437th AW	08 Bndge35/RCH407
06-6164	C-17A	60th AMW	03 RCH553	07.86-0026	C-5M	60th AMW	09 RCH344
07-7189	C-17A	437th AW	03 RCH645	87-0031	C-5M	337th AS AFRC	08 RCH439
01-1461	C-130J-30	115th AS CA ANG	04 RCH417	03-3118	C-17A	183rd AS MS ANG	RCH182
06-8612	C-130J-30	19th AW	dep Herky82	04-4134	C-17A	305th AMW	08 RCH149
06-8612	C-130J-30	19th AW	26 Herky82/Lion411	06-6155	C-17A	60th AMW	08 RCH445
90-0828/SP	F-16CM	480th FS	04 Psycho02	10-0215	C-17A	437th AW	08 RCH440
90-0829/SP	F-16CM	480th FS	04 Viper01	88-1302	AC-130W	16th SOS	RCH1036
91-0344/SP	F-16CM	480th FS	04 Warhawk01	165152	C-20G	VR-51	08 CNV6843
91-0358/SP	F-16CM	480th FS	04 Psycho01	08.97-0048	C-17A	89th AS AFRC	09 RCH427
91-0403/SP	F-16CM	480th FS	04 Viper02	05-5146/HH	C-17A	535th AS HI ANG	RCH205
91-0417/SP	F-16CM	480th FS	04 Warhawk02	05-5152/HH	C-17A	535th AS HI ANG	RCH180
17-20943	HH-60M	C/2-4th AVN	Army20943	165348/AX	C-130T	VR-62	CNV6164
03.01-0189	C-17A	155th AS TN ANG	04 RCH139	09.03	C-17A	HAW	Bartok50
06-6159	C-17A	60th AMW	04 RCH417	00-0176	C-17A	155th AS TN ANG	10 RCH595
06-6161	C-17A	60th AMW	04 RCH173	05-5145	C-17A	729th AS AFRC	11 RCH155
07-7185	C-17A	437th AW	RCH980	07-7189	C-17A	437th AW	10 RCH334
07-7186	C-17A	437th AW	dep RCH220	10-0213	C-17A	437th AW	10 RCH407
07-7186	C-17A	437th AW	07 RCH220	11-5737	MC-130J	67th SOS	Mega21
84-0129	C-21A	457th AS	04 RCH069	164442/NY	KC-130T	VMGR-452	* Bronco45
04.LJ-1	Lj35A	TükiLv	FNF377	10.82-0191	KC-10A	60th AMW	11 RCH204
97-0048	C-17A	89th AS AFRC	05 RCH427	01-0193	C-17A	437th AW	12 RCH181
00-0182	C-17A	167th AS WV ANG	05 RCH747	03-3126	C-17A	305th AMW	24 RCH311/173
01-0191	C-17A	436th AW	05 RCH105	06-6168	C-17A	436th AW	12 RCH137/311
01-0197	C-17A	156th AS NC ANG	05 RCH265	07-7179	C-17A	60th AMW	14 RCH345
02-1110	C-17A	62nd AW	05 RCH113	07-7183	C-17A	437th AW	RCH559
06-6159	C-17A	60th AMW	05 RCH417	08-0051	CV-22B	7th SOS	Yoke81
06-6161	C-17A	60th AMW	05 RCH173	11.012	C295M	13.ELTr	PLF282
07-7189	C-17A	437th AW	06 RCH645	86-0019	C-5M	68th AS AFRC	dep RCH143
10-0213	C-17A	437th AW	05 RCH330	01-0188	C-17A	137th AS NY ANG	12 RCH253
93-7312	C-130H	169th AS IL ANG	06 RCH303	165151	C-20G	CFSLW Det Sigonella	Catbird1
01-1461	C-130J-30	115th AS CA ANG	05 RCH641	89-26163	UH-60A+	C/1-214th AVN	Duke70
90-0829/SP	F-16CM	480th FS	*	12.87-0034	C-5M	60th AMW	RCH186/137dep15th
91-0344/SP	F-16CM	480th FS	*	00-0182	C-17A	167th AS WV ANG	13 RCH550
91-0403/SP	F-16CM	480th FS	*	01-0193	C-17A	437th AW	24 RCH181/545
91-0417/SP	F-16CM	480th FS	*	08-8198	C-17A	437th AW	13 RCH1818
05.97-0048	C-17A	89th AS AFRC	06 RCH427	11-5737	MC-130J	67th SOS	Mega21
01-0197	C-17A	156th AS NC ANG	06 RCH265	13.97-0045	C-17A	137th AS NY ANG	RCH434dep16th
10-0218	C-17A	62nd AW	06 RCH450	00-0182	C-17A	167th AS WV ANG	15 RCH550
06.00-0176	C-17A	155th AS TN ANG	07 RCH595	01-0188	C-17A	137th AS NY ANG	15 Bndge35/RCH227
03-3126	C-17A	305th AMW	07 RCH311	02-1110	C-17A	62nd AW	14 RCH292/181
07-7176	C-17A	436th AW	08 RCH146	07-7175	C-17A	436th AW	14 RCH218
				61-0266	KC-135R	117th ARS KS ANG	14 RCH699



To accommodate easy travelling within Europe, the Royal Thai Air Force operates several Boeing 737s for the former Thai prince, the present king. Operating base seems to be Munich, where these two Royal Flight aircraft were seen on 30 September 2018. The Thai serial is hardly visible, located just aft of the forward passenger door and you need to have knowledge of the Thai characters. Lucky for most spotters, also a semi-civilian registration is applied. HS-HMK has RTAF serial L11k.WPR-03/5 and codes 90410/99-904. (anonymous)

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Italian Air Force unit 51° Stormo/132° Gruppo arrived at Neuburg, Germany on 15 October 2018 to start a two-week detachment. In total four AMX (or A-11A in Italian nomenclature) were seen, one of these was MM7185/51-36. As can be seen in the photo, the MM serial is partly obscured by the horizontal stabilizer, maybe that is why the last two of the serial are also displayed on top of the tail. (Dietmar Fenners)

14.99-0168/AK	C-17A	517th/144th AS AK ANG	15 RCH437	07-7176	C-17A	436th AW	RCH807
05-5149/HH	C-17A	535th AS HI ANG	15 RCH183	60-0324/D	KC-135R	351st ARS	Evac10E4
07-7184	C-17A	437th AW	15 RCH467	22.14+03	Global 5000	FBS BMVg	GAF614
15.605	A319-112	MH 59. Sz.D. REB.	16 HuAF806	89-1190	C-17A	167th AS WV ANG	RCH174
87-0029	C-5M	60th AMW	RCH188/740	99-0166	C-17A	62nd AW	24 RCH190
02-1110	C-17A	62nd AW	RCH181	01-0189	C-17A	155th AS TN ANG	23 RCH107
05-5149/HH	C-17A	535th AS HI ANG	17 RCH183	900528	C-26D	AOD Sigonella	23 CNV6710
07-7175	C-17A	436th AW	17 RCH218	01-1461	C-130J-30	115th AS CA ANG	25 RCH641/549
07-7186	C-17A	437th AW	18 RCH213/547	15-5842/CA	HC-130J	130th RQS CA ANG	King66
900530	C-26D	AOD Sigonella	CNV6582	60-0324/D	KC-135R	351st ARS	23 Evac10E4
16.C-215	CL-604	Esk.721	DAF3060	90-26267	UH-60L	A/2-4th AVN	Army26267
03	C-17A	HAW	Bartok50	23.01	C-17A	HAW	Bartok51
86-0016	C-5M	60th AMW	18 RCH223	98-0057	C-17A	137th AS NY ANG	24 RCH332
73-1217	C-12C	USE Budapest	Duna95	05-5151/HH	C-17A	535th AS HI ANG	24 RCH146
97-0045	C-17A	137th AS NY ANG	17 RCH434	92-3290/GA	E-8C	116th ACW GA ANG	26 Peach68
01-0188	C-17A	137th AS NY ANG	17 RCH227	13-08435	CH-47F	H/1-214th AVN	
900530	C-26D	AOD Sigonella	CNV6582	15-08190	CH-47F	B/2-4th AVN	
11-5745	C-130J-30	19th AW	20 Lion442/444	17-20943	HH-60M	C/2-4th AVN	* Army20943
16-20872	HH-60M	C/2-4th AVN	Army20872	24.01	C-17A	HAW	26 Bartok51/151
17.06-6168	C-17A	436th AW	18 RCH251	87-0117	KC-10A	60th AMW	25 RCH425
07-7184	C-17A	437th AW	18 RCH467	03-3120	C-17A	62nd AW	RCH347
08-8201	C-17A	62nd AW	18 RCH413	04-4133	C-17A	305th AMW	RCH230
08-8202	C-17A	62nd AW	18 RCH172	09-9206	C-17A	437th AW	25 RCH444
910502	C-26D	AOD Naples	18 CNV6382	02-01863	C-37A	OHAWOM/PATD	25 PAT63
02-01863	C-37A	OHAWOM/PATD	19 PAT63	11-5745	C-130J-30	19th AW	25 Lion409/Herky81
1x	UH-60M	A/1-214th AVN	*	25.74	EMB121AN	28F	CTM1725
18.98-0057	C-17A	137th AS NY ANG	19 RCH238	85-0004	C-5M	436th AW	29 RCH984
05-5149/HH	C-17A	535th AS HI ANG	20 RCH183/292	87-0041	C-5M	337th AS AFRC	27 RCH557
15-08190	CH-47F	B/2-4th AVN		99-0059	C-17A	62nd AW	26 RCH981/978
92-26425	UH-60L	A/2-4th AVN		01-0188	C-17A	137th AS NY ANG	26 RCH559
19.87-0041	C-5M	337th AS AFRC	23 RCH557	02-1112	C-17A	183rd AS MS ANG	RCH624
06-6168	C-17A	436th AW	20 RCH251	07-7186	C-17A	437th AW	29 RCH547/698
900531	C-26D	AOD Naples	CNV6542	09-9207	C-17A	437th AW	27 RCH1815
20.85-0034	KC-10A	305th AMW	21 RCH555	11-5745	C-130J-30	19th AW	27 Herky81/704
86-0038	KC-10A	60th AMW	21 RCH460	26.02	C-17A	HAW	27 Bartok71
98-0057	C-17A	137th AS NY ANG	22 RCH238/332	01-0186	C-17A	436th AW	28 RCH551
01-0189	C-17A	155th AS TN ANG	21 RCH107	02-1112	C-17A	183rd AS MS ANG	RCH624
03-3120	C-17A	62nd AW	22 RCH313/166	08-8198	C-17A	437th AW	RCH478
05-5149/HH	C-17A	535th AS HI ANG	28 RCH292	10-0217	C-17A	62nd AW	28 RCH448
07-7173	C-17A	436th AW	21 RCH330	90-26267	UH-60L	A/2-4th AVN	Army26267
10-0213	C-17A	437th AW	21 RCH422	94-26569	UH-60L	A/2-4th AVN	Army26569
11-5745	C-130J-30	19th AW	22 Lion444/407	15-20745	UH-60M	A/1-214th AVN	Duke86
21.97-0041	C-17A	437th AW	22 RCH189	27.92-3293	C-17A	437th AW	30 RCH445
07-7173	C-17A	436th AW	22 RCH330	00-0182	C-17A	167th AS WV ANG	29 RCH106

01-0188	C-17A	137th AS NY ANG	29 RCH559/405	58-0018	KC-135R	22nd ARW	25 RCH404
04-4133	C-17A	305th AMW	RCH540	26 86-0024	C-5M	60th AMW	27 RCH559
07-7175	C-17A	436th AW	RCH104	86-0025	C-5M	436th AW	27 RCH545
10-0216	C-17A	62nd AW	28 RCH980	27.86-0024	C-5M	60th AMW	01 RCH559
08-8612	C-130J-30	19th AW	Lion411/Herky775	28.90-0821/SW	F-16CM	77th FS	arr 15.5 dep Pain01
11-5745	C-130J-30	19th AW	arr Herky704	29.04-4131	C-17A	305th AMW	30 RCH558
02-01863	C-37A	OHAWOM/PATD	28 PAT63	08-8199	C-17A	62nd AW	30 RCH162
28.87-0035	C-5M	436th AW	RCH177	58-0104	KC-135R	132nd ARS ME ANG	30 Clean52
04-4133	C-17A	305th AMW	RCH540	59-1450	KC-135R	197th ARS AZ ANG	30 Clean62
07-7175	C-17A	436th AW	RCH104	30.03-3113	C-17A	183rd AS MS ANG	01 RCH699
07-7176	C-17A	436th AW	RCH176	06-6164	C-17A	60th AMW	RCH553
06-8612	C-130J-30	19th AW	29 Herky775/791				October 2018
08-3173	C-130J-30	317th AW	29 RCH039	01.LX-N90446	E-3A	NAEW&CF	* Nato40
08-3178	C-130J-30	317th AW	29 RCH040	08-8199	C-17A	62nd AW	02 RCH162
29.02-1098	C-17A	305th AMW	01 RCH157	12-5757	MC-130J	67th SOS	Awoke41
07-7176	C-17A	436th AW	RCH176	58-0104	KC-135R	132nd ARS ME ANG	02 Clean52/62
10-0216	C-17A	62nd AW	30 RCH980	02.03-3116	C-17A	183rd AS MS ANG	03 RCH178
09-0525	C-37B	99th AS	30 SAM581	03.05-5141	C-17A	729th AS AFRC	05 RCH282
30.00-0182	C-17A	167th AS WV ANG	RCH106	06-6154	C-17A	60th AMW	04 RCH041/660
01-0188	C-17A	137th AS NY ANG	31 RCH405	04.G-781	C-130H	336sq	* NAF71
02-1106	C-17A	62nd AW	31 RCH721	06-6158	C-17A	60th AMW	05 RCH226
06-8612	C-130J-30	19th AW	arr Herky791	07-7175	C-17A	436th AW	05 RCH158
164442/NY	KC-130T	VMGR-452	31 Bronco41	09-9209	C-17A	62nd AW	05 RCH138
31.92-3293	C-17A	437th AW	02 RCH445	09-9211	C-17A	62nd AW	05 RCH349
00-0182	C-17A	167th AS WV ANG	RCH106	10-0218	C-17A	62nd AW	05 RCH260
07-7173	C-17A	436th AW	01 RCH482	05.LX-N90453	E-3A	NAEW&CF	* Nato40
07-7177	C-17A	436th AW	RCH151	01-0196	C-17A	167th AS WV ANG	06 RCH309
07-7186	C-17A	437th AW	02 RCH698/150	05-5141	C-17A	729th AS AFRC	06 RCH282/199
58-0061	KC-135T	22nd ARW	01 RCH411	06-6160	C-17A	60th AMW	06 RCH153
1x	F-16C/D	480th FS	Dude01/11	09-9208	C-17A	437th AW	09 RCH563
				59-1450	KC-135R	197th ARS AZ ANG	dep RCH088
				06 93-0603	C-17A	89th AS AFRC	07 RCH290
				07-7175	C-17A	436th AW	07 RCH158
				11-5736/RS	C-130J-30	37th AS	Herky794
				58-0010	KC-135R	141st ARS NJ ANG	07 RCH556
				07.06-6160	C-17A	60th AMW	08 RCH153
				08.14+03	Global 5000	FBS BMVg	GAF602
				87-0045	C-5M	436th AW	09 RCH535
				01-0187	C-17A	62nd AW	09 RCH112
				08-8194	C-17A	62nd AW	RCH142
				08.58-0077	KC-135T	171st ARW PA ANG	09 RCH177
				61-0266	KC-135R	117th ARS KS ANG	09 RCH561
				62-3517	KC-135R	92nd/141st ARW	09 RCH174
				63-8885	KC-135R	6th AMW	09 RCH684
				164442/NY	KC-130T	VMGR-452	09 Bronco45
				09.08-8193	C-17A	62nd AW	10 RCH102
				08-8194	C-17A	62nd AW	10 RCH142
				09-9208	C-17A	437th AW	10 RCH563
				57-1441	KC-135R	174th ARS IA ANG	10 RCH457
				84-0046/LN	F-15D	493rd FS	Deuce01/11
				164442/NY	KC-130T	VMGR-452	10 Bronco45
				10.87-0034	C-5M	60th AMW	12 RCH984/186
				59-1478	KC-135R	151st ARS TN ANG	11 RCH418
				11.07-7173	C-17A	436th AW	12 RCH659
				58-0010	KC-135R	141st ARS NJ ANG	12 RCH257
				63-8029	KC-135R	141st ARS NJ ANG	12 RCH566
				13.87-0029	C-5M	60th AMW	14 RCH188
				07-7173	C-17A	436th AW	14 RCH659
				57-1428	KC-135R	151st ARS TN ANG	14 RCH237
				59-1468	KC-135T	171st ARW PA ANG	14 RCH196
				15.01	C-17A	HAW	Bartok70
				16.84-00165	C-12U-3	E/1-214th AVN	Duke64
				17.84-00165	C-12U-3	E/1-214th AVN	Duke31
				06-8611/RS	C-130J-30	37th AS	Herky800
				58-0023	KC-135R	133rd ARS NH ANG	18 RCH212
				59-1500	KC-135R	108th ARS IL ANG	18 RCH342
				18.87-0029	C-5M	60th AMW	18 RCH740
				62-3515	KC-135R	108th ARS IL ANG	19 RCH261
				19.85-0004	C-5M	436th AW	23 RCH171/984
				03-3120	C-17A	62nd AW	RCH313
				09-9207	C-17A	437th AW	21 RCH298/357
				08-8603/RS	C-130J-30	37th AS	Herky774
				21.87-0030	C-5M	60th AMW	22 RCH256
				22.4121	C-27J	354 Mira	HAF352N
				515	F-16C	337 Mira	HAF337C
				530	F-16C	337 Mira	HAF337A

Credits: MAR, Scramble messageboard.

Spangdahlem

September 2018

04.LX-N90459	E-3A	NAEW&CF	Nato40
05.84-00156	C-12U	E/1-214th AVN	Duke33
84-00157	C-12U	E/1-214th AVN	Duke31
58-0085	KC-135R	336th ARS AFRC	06 RCH552
98-26810	UH-60L	A/2-4th AVN	Army26810
06.58-0072	KC-135T	171st ARW PA ANG	07 RCH179
62-3550	KC-135R	197th ARS AZ ANG	09 RCH161
07.07-4635/RS	C-130J-30	37th AS	Herky73
57-1428	KC-135R	151st ARS TN ANG	08 RCH418
57-1462	KC-135R	153rd ARS MS ANG	08 RCH240
58-0067	KC-135R	174th ARS IA ANG	08 RCH185
63-8027	KC-135R	6th AMW	10 RCH141
95-00123	UC-35A	E/1-214th AVN	Duke25
08.01-0191	C-17A	436th AW	09 RCH270
06-6161	C-17A	60th AMW	09 RCH166
10 FB22	F-16BM	2W	* BAF251
84-00156	C-12U-3	E/1-214th AVN	* Duke31
92-26425	UH-60L	A/2-4th AVN	Army26425
11 G-781	C-130H	336sq	* NAF71
63-8875	KC-135R	117th ARS KS ANG	12 RCH562
90-26297	UH-60L	A/2-4th AVN	Army26297
12.59-1478	KC-135R	151st ARS TN ANG	13 RCH445
13 06-6166	C-17A	436th AW	14 RCH267
57-1499	KC-135R	191st ARS UT ANG	14 RCH888
14.03-3113	C-17A	183rd AS MS ANG	15 RCH163
10-0216	C-17A	62nd AW	15 RCH457
04-3143	C-130J-30	317th AW	RCH329
15-5826	C-130J-30	317th AW	RCH338
15.06-6156	C-17A	60th AMW	16 RCH173
17.03-3113	C-17A	183rd AS MS ANG	18 RCH164
16-5834	C-130J-30	317th AW	18 RCH249
84-00157	C-12U-3	E/1-214th AVN	Duke59
18.84-00157	C-12U-3	E/1-214th AVN	Duke31
19.LX-N90443	E-3A	NAEW&CF	* Nato40
87-0036	C-5M	436th AW	RCH470
84-00156	C-12U-3	E/1-214th AVN	Duke31
84-00157	C-12U-3	E/1-214th AVN	Duke09
21.84-00156	C-12U-3	E/1-214th AVN	Duke63
08-8199	C-17A	62nd AW	23 RCH389
22.86-0019	C-5M	68th AS AFRC	23 RCH143
06-6156	C-17A	60th AMW	30 RCH152
07-7175	C-17A	436th AW	23 RCH700
24.07-7182	C-17A	437th AW	26 RCH556
10-0218	C-17A	62nd AW	25 RCH551

Personal copy

Distribution to a third party is not allowed



One of the Apaches in this flight experienced problems which resulted in an unplanned diversion and nightstop at Linz, Austria. It is nice this unit has applied several extra markings and even has given names to individual AH-64Ds. 09-05595 is named Rico Suave, unit A troop of 6-17th Avn. (6 November, Hilco Schigt)

531	F-16C	337 Mira	HAF337B	166693	C-40A	USN	
619	F-16D	337 Mira	HAF337D	10.165835	C-40A	USN	
G-273	C-130J-30	336sq	NAF71	166694	C-40A	USN	
61-0317	KC-135R	133rd ARS NH ANG	23 RCH233	18.97-00105	UC-35A	US Army	
N511BJ	B777-300ER	JASDF	* N511BJ	20.02-0203	C-40C	201st AS DC ANG	
23.4121	C-27J	354 Mira	HAF352N	21.01-0040	C-40B	1st AS	
85-0004	C-5M	436th AW	25 RCH984	22.09-0540	C-40C	73rd AS AFRC	
58-0050	KC-135T	6th AMW	24 RCH236	23.58-0094	KC-135T	351st ARS	
24.02-1098	C-17A	305th AMW	25 RCH665	24.92-2104	HC-130N	39th RQS	King39
26.LX-N90443	E-3A	NAEW&CF	* Nato40	25.09-0525	C-37B	99th AS	
165830	C-40A	VR-59	27 CNV4764	26.01-0040	C-40B	1st AS	
27.02-1106	C-17A	62nd AW	28 RCH721	02-0203	C-40C	201st AS DC ANG	
03-3113	C-17A	183rd AS MS ANG	28 RCH355	09-0540	C-40C	73rd AS AFRC	
05-5145	C-17A	729th AS AFRC	28 RCH175	166376	C-37B	USN	
06-6161	C-17A	60th AMW	28 RCH553	27.165830	C-40A	USN	
28.08-8198	C-17A	437th AW	29 RCH478	12-5773	HC-130J	71st RQS	
29.01-0186	C-17A	436th AW	30 RCH325	30.84-00157	C-12U-3	US Army	
10-0217	C-17A	62nd AW	30 RCH448	84-00165	C-12U-3	US Army	
08-0051	CV-22B	67th SOS	31 Horn81	31.09-9212	C-17A	437th AW	
12-0063	CV-22B	67th SOS	31 Horn82	84-00165	C-12U-3	US Army	
30.06-6161	C-17A	60th AMW	01 RCH711				
31.62-3552	KC-135R	22ndARW	01 RCH188				

Credits: MAR, Scramble messageboard.

Wiesbaden			October 2018
16.73-1217	C-12C	USE Budapest	
17.011	C295M	13.eltr	19
005	Ce650	212 Filo	19
73-1217	C-12C	USE Budapest	19
02-01863	C-37A	USAPAT	
17-20943	HH-60M	C/2-4th AVN	
19.02-01863	C-37A	USAPAT	
23.17-20946	HH-60M	C/2-4th AVN	
13-20602	HH-60M	C/2-4th AVN	
25.84-00181	C-12U-3	D/204th AVN	
31.16-20847	UH-60M	3-4th AVN	
16-20852	UH-60M	3-4th AVN	arr

Credits: MAR, Scramble messageboard.

Ireland

Shannon			October 2018
03.165829	C-40A	USN	
06.98-0002	C-32A	1st AS	
09.163591	KC-130T	USN	

Credits: MAR, Scramble messageboard.

United Kingdom

Brize Norton			October 2018
01.125/XO	TBM-700A	ETE00.060	CTM3832
11-0058 +1	CV-22B	7th SOS	* Knife71/72
04.130601	CC-130J-30	436sq	05 CFC2527
78/XE	TBM-700A	CEAM	CTM3855
UR-82027	An-124-100	ADB	06 ADB2999F/2623
06.0455	C295M	242.tsl	CEF6001
07.96-0001	C-17A	758th AS AFRC	12 RCH263
08.105/XK	TBM-700A	ETE00.043	CTM3880
09.96-0001	C-17A	758th AS AFRC	10 RCH263
10.4270	G450	Pakistan Army	14 Khalid1
XX154	Hawk T1	QinetiQ	*
11.ZA607/EB-X	Tornado GR4	Marham Wg	* MRH25
13.TC-GAP	G-IV	Gvmt of Turkey	TRK5
15.253	CN235M-100	101sq	IRL253
18.15-5842/CA	HC-130J	130th RQS CA ANG	20 King66
19.ZH001	Defender AL2	651sq	AA526
22.15-5842/CA	HC-130J	130th RQS CA ANG	23 King66
166513/BH	KC-130J	VMGR-252	Otis85
23.QQ102	BAe146	ETPS	ETP88
G-CGKK	Tutor T1	nn	* UAO13

G-CGKP Tutor T1 nn *

24.163556 UC-12F NAF Atsugi? 25 CNV7202

25.ZJ957 Puma HC2 Benson Wg * SHF301

166513/BH KC-130J VMGR-252 Otis71

HB-LAU Falcon 2000 LTDB SUI014

29.ZJ131/P Merlin HC4 845NAS Junglie430

ZJ780 AS365N3 658sq *

ZM510 Juno HT1 DHFS *

166513/BH KC-130J VMGR-252 Otis71

30 177703 CC-177 429sq 31 CFC3683

QQ102 BAe146-RJ70 QinetiQ ETP81

ZJ183 Apache AH1 nn Machette1/2

ZJ185 Apache AH1 nn Machette1/2

UR-8207 An-124-100 ADB 31 ADB2624/246F

31.177703 CC-177 429sq 01 CFC3683

0011/F-RBAD A400M ET01.061 CTM1200

ZM309 Prefect T1 3 FTS BKH90

Credits: MAR, Scramble messageboard.

Cambridge October 2018

02.ZM529 Juno HT1 DHFS SYS102

G-781 C-130H 336sq dep

04.A6-HEH B737-8AJ Gvmt of Dubai DUB6

10.84004/844 Tp84 TSFE 16 SWF812

11.84002/842 Tp84 TSFE SWF850

15.84008/848 Tp84 TSFE arr MADG

525 C-130J-30 OmanAF dep Majan7

26.702 Hercules C5 Bahrain AF t/f MCE04

12-5760 MC-130J 67th SOS * Strix01

30.ZH866/866 Hercules C4 206sq dep MADG

84004 Tp84 TSFE SWF814

ZH879/879 Hercules C4 24/47sq arr MCE03

Credits: MAR, Scramble messageboard.

Coningsby October 2018

02.ZJ181 Apache AH1 653sq * Bedlam1

ZJ184 Apache AH1 653sq * Bedlam2

ZJ200 Apache AH1 653sq * Prowler1

ZJ205 Apache AH1 653sq * Slayer1

ZJ226 Apache AH1 653sq * Slayer2

ZJ228 Apache AH1 653sq * Prowler2

03.ZK374/374 Typhoon FGR4 del to Lossie Typhoon63

12-0065 CV-22B 7th SOS * Knife72

G-MAOL AW109SP 32(TR)sq RRR1319

04.ZF171/171 Tucano T1 72sq Sword1/2

ZF317/317 Tucano T1 72sq MRH10

ZA553/045 Tornado GR4 Marham Wg * MRH92

ZM140 F-35B 617sq Zodiac52

G-FRAU Falcon 20ECM Cobham Zodiac51

G-FFRA Falcon 20ECM Cobham * CWL31

05.ZM333 Phenom T1 45sq CWL66

ZM303 Prefect T1 3 FTS CWL18

08.ZM306 Prefect T1 3 FTS * CWL56

ZM313 Prefect T1 3 FTS * Omen1

09.ZH867/867 Hercules C4 24/47sq * Omen2

ZH887/887 Hercules C5 24/47sq * Voodoo1

ZD716/084 Tornado GR4 Marham Wg * Voodoo2

ZA607/EB-X Tornado GR4 Marham Wg * Knife71

08-0051 CV-22B 7th SOS * WIT55

G-BYUK Tutor T1 6 FTS 10 Calibrator390

G-COBS DA-42 Cobham * CWL104P

10.ZM304 Prefect T1 3 FTS * Knife73

11.12-0064 CV-22B 7th SOS Knife72

12-0065 CV-22B 7th SOS

84-0001/LN F-15C 493rd FS * Sweep31/32

84-0010/LN F-15C 493rd FS * Sweep31/32

ZA612/074 Tornado GR4 Marham Wg MRH25

13.168848/LK P-8A VP-26 18 Trident25

ZM408/408 Atlas C1 70sq 17 RRR466/467

15. ZK551 Chinook HC6 7sq SHF495

ZH888/888 Hercules C5 24/47sq 18 RRR226/252

ZH867 Hercules C4 24/47sq Comet238

16.ZE707 BAe146 C3 32(TR)sq RRR1525

ZK553 Chinook HC6 7sq SHF503

XX198/CH Hawk T1A 100sq 17 Aggressor1

XX339/CL Hawk T1A 100sq 17 Aggressor2

ZH887/887 Hercules C4 24/47sq Jigsaw2

ZZ387 Wildcat AH1 1Regt Recon21

G-MOAL AW-109SP 32(TR)sq RRR1263

11-0057 CV-22B 7th SOS * Knife71

12-0064 CV-22B 7th SOS * Knife72

G-FPLD King Air 200 * Calibrator393

19.ZK434/- Typhoon FGR4 del ex BAE Tarnish29

ZA554/046 Tornado GR4 Marham Wg * Primus01

ZD716/084 Tornado GR4 Marham Wg * Primus02

98-0332/LN F-15E 492nd FS *

91-0307/LN F-15E 492nd FS *

98-0137/LN F-15E 492nd FS *

91-0605/LN F-15E 492nd FS *

ZF342/342 Tucano T1 72sq Blazer1/2

ZF244/244 Tucano T1 72sq Blazer1/2

25.G-BYWI Tutor T1 6 FTS *

ZK333/333 Typhoon FGR4 LossieWg?

ZA612/074 Tornado GR4 Marham Wg MRH74

26.ZM311 Prefect T1 3 FTS CWL62

Credits: MAR, Scramble messageboard.

Fairford October 2018

25.09-9207 C-17A 437th AW RCH1815

Credits: MAR, Scramble messageboard.

Farnborough October 2018

04.A6-HEH B737-8AJ Gvmt of Dubai 21 DUB6

A6-MRS B737-8E0 Gvmt of Dubai DUB7

08.A9C-BAH G650 Gvmt of Bahrain 13 BAH6

T-785 Falcon 900EX LTDB SUI548

11.A9C-BRN G550 Gvmt of Bahrain 12 BAH5

14.A7-MHH A319-115X Gvmt of Qatar 15 A7MHH

18.T-729 Beech 1900D LTDB SUI548

25.A9C-BRN G550 Gvmt of Bahrain 26 BAH5

27.A9C-BRN G550 Gvmt of Bahrain 02 BAH5

CN-AMR G550 Esc. De Transporte FRV1315

31.A9C-BAH G650 Gvmt of Bahrain 17 BAH6

A9C-BHR G650 Gvmt of Bahrain 02 BAH4

Credits: MAR, Scramble messageboard.

Lakenheath October 2018

02.00-0184 C-17A 62nd AW 03 RCH285

04.90-0233/MO F-15E 391st FS 06 Tabor51-56

90-0234/MO F-15E 391st FS 08 Tabor51-56/71-76

90-0236/MO F-15E 391st FS 06 Tabor61-66/51-56

90-0237/MO F-15E 391st FS 06 Tabor61-66/51-56

90-0238/MO F-15E 391st FS 08 Tabor71-76

90-0240/MO F-15E 391st FS 07 Tabor51-56/61-66

90-0241/MO F-15E 391st FS 07 Tabor51-56/61-66

90-0244/MO F-15E 391st FS 07 Tabor71-76/61-66

90-0247/MO F-15E 391st FS 07 Tabor61-66/61-66

90-0248/MO F-15E 391st FS 08 Tabor51-56/71-76

90-0250/MO F-15E 391st FS 08 Tabor51-56/71-76

91-0300/MO F-15E 391st FS 07 Tabor61-66

91-0323/MO F-15E 391st FS 06 Tabor61-66/51-56

91-0319/MO F-15E 391st FS 07 Tabor71-76/61-66

91-0333/MO F-15E 391st FS 06 Tabor71-76/51-56

91-0330/MO F-15E 391st FS 08 Tabor71-76

91-0600/MO F-15E 391st FS 08 Tabor71-76

92-0366/MO F-15E 366th FW 08 Tabor61-66/71-76

162144 C-2A VRC-40 RG01

166820/AB300F/A-18E VFA-136 22 Tarbox91-98/85-88

166823/AB303F/A-18E VFA-136 19 Tarbox91-98/11-13

166839/AB411 F/A-18E VFA-81 22 Tarbox91-98/85-88

166840/AB412F/A-18E VFA-81 19 Tarbox91-98/11-13

166624/AB102F/A-18F VFA-11 19 Tarbox91-98/11-13

166631/AB106F/A-18F VFA-11 22 Tarbox91-98/85-88

166665/AB210F/A-18F VFA-211 22 Tarbox91-98/85-88

166808/AB204F/A-18F VFA-211 22 Tarbox91-98/85-88

05.08-4162/FF F-22A 94th FS 23 Tabor51-56/Retro41-46

09-4177/FF F-22A 94th FS 23 Tabor51-56/Retro41-46

09-4181/FF F-22A 94th FS 23 Tabor51-56/Retro41-46

09-4183/FF F-22A 94th FS 23 Tabor51-56/Retro41-46

10-4194/FF F-22A 94th FS 23 Tabor51-56/Retro41-46

10.02-1110 C-17A 62nd AW 11 RCH292

11.01-0187 C-17A 62nd AW 12 RCH287

12.58-0094 KC-135T 351st ARS 15 Quid52/604



Ramstein always attracts nice visitors and E-8C 92-3290/GA was no exception. This 128th ACCS Georgia Air National Guard Boeing 707 modification was seen landing at the base on 23 October 2018. (Dalibor Ankovic)

23.82-0028	F-15C	194th FS CA ANG	Bounce1-4	58-0071	KC-135T	6th AMW	04 RCH163
84-0004	F-15C	194th FS CA ANG	Bounce1-4	ZH103/03	Sentry AEW1	8sq/54sq	* NATO31
84-0009	F-15C	194th FS CA ANG	Bounce1-4	04.MM62298	P-72A	88°Gr	f/v IAM4188
86-0167	F-15C	194th FS CA ANG	Bounce1-4	82-0193	KC-10A	60th AMW	06 Clean01
24.87-0030	C-5M	60th AMW	26 RCH202	86-0037	KC-10A	60th AMW	05 Clean11
25.ZK307/307	Typhoon FGA4	3sq	* Rampage14	83-0080	KC-10A	60th AMW	05 Clean21
162144	C-2A	VRC-40	RG02	64-14841/OF	RC-135V	55th Wg	05 Snoop55
26.01-0186	C-17A	436th AW	RCH551	86-0171/LN	F-15C	493rd FS	Mojo01
06-6158	C-17A	60th AMW	RCH564	84-0010/LN	F-15C	493rd FS	Mojo02
27.02-1098	C-17A	305th AMW	28 RCH665	165151	C-20G	CFLSW Det Sigonella	Catbird1
29.85-0008	C-5M	436th AW	arr RCH247	165152	C-20G	VR-51	CNV6042
98-0056/AK	C-17A	517th/144th AS AK ANG	RCH153	166694	C-40A	VR-59	CNV6082
31.03-3113	C-17A	183rd AS MS ANG	01 RCH355	163291	P-3C	VP-46	VVRC318
80-0010	F-15C	194th FS CA ANG	Zeus01/02	05.83-0075	KC-10A	60th AMW	07 Blue92/Clean41
86-0144	F-15C	194th FS CA ANG	Zeus01/02	62-3566	KC-135R	174th ARS IA ANG	dep Clean42

Credits: MAR, Scramble messageboard.

Lossiemouth			October 2018	07.83-0075	KC-10A	60th AMW	08 Clean41/51
02.MM62298/41-03P-72A	88°Gr		IAM4188	08.83-0075	KC-10A	60th AMW	09 Clean51
03.06-6154	C-17A	62nd AW (75 yrs ann mks)	RCH041	09.89-1052	AC-130U	4th SOS	11 RCH1006
04.130601	CC-130J-30	436sq	CFC2527	61-2662/OF	RC-135S	55th Wg	20 Cobra55
09.140101	CP-140	nn	22 CFC0499	64-14848/OF	RC-135V	55th Wg	10 Snoop56
16.G-COBS	DA-42	Cobham		84-00165	C-12U	E/1-214th AVN	Duke31
ZM333	Phenom T1	45sq	17 CWL36	95-00123	UC-35A	E/1-214th AVN	Duke11
18.900530	C-26D	AOD Sigonella	19 CNV6342	10.02-1110	C-17A	62nd AW	RCH458/292
22.G-FPLD	Beech 350		Calibrator397	157326	EP-3E	VQ-1	11 PR326
130613	CC-130J-30	436sq		11.GZ100	A109SP	32(TR)sq	* RRR1413
24.169003/LK	P-8A	VP-26	31 Trident15	64-14829/OF	RC-135U	55th Wg	26 Cobra55/Olive55
G-FRAT	Falcon20EW	Cobham		64-14846/OF	RC-135V	55th Wg	arr Snoop55
26.168764/LK	P-8A	VP-26	02 Trident2/44	78-0578/OK	E-3G	552nd ACW	Shuck84
168848/LK	P-8A	VP-26	31 Trident29/1	97-00102	UC-35A	E/1-214th AVN	Duke98
27.168764/LK	P-8A	VP-26	02 Trident1	162144	C-2A	VRC-40	RG02
28.168857/LK	P-8A	VP-26	Trident76	162171	C-2A	VRC-40	RG01

Credits: MAR, Scramble messageboard.

Mildenhall			October 2018	12.00-0182	C-17A	167th AS WV ANG	RCH550
01.86-0032	KC-10A	305th AMW	Gold98	169319	UC-12W	H&HS MCAS Miramar	Atila04
58-0104	KC-135R	133rd ARS NH ANG	dep Clean52	166693	C-40A	VR-57	CNV6326
165348	C-130T	VR-53	CNV6981	162144	C-40A	VR-57	CNV6326
02.83-0081	KC-10A	305th AMW	dep Gold11	163591	C-2A	VRC-40	RG02
86-0030	KC-10A	305th AMW	dep Clean51	14.64-14841/OF	RC-135V	55th Wg	16 Olive56h
165348	C-130T	VR-53	CNV6961	166693	C-40A	VR-57	CNV6326
161588	P-3C	VP-46	05 VVRC588	15.166693	C-40A	VR-57	CNV6326
03.84-0087	C-21A	76th AS	Valor76	163591	KC-130T	VR-55	16 CNV6384
				16.ZA543	Tornado GR4	9sq	* Fang2

ZA607	Tornado GR4	9sq	* Fang1	166514/BH	KC-130J	VMGR-252	* Otis72
62-3509	KC-135R	77th ARS AFRC	17 RCH552	30.900528	C-26D	AOD Sigonella	31 CNV6628
163591	KC-130T	VR-55	17 CNV6384	166693	C-40A	VR-57	CNV6624
17.58-0125	KC-135T	6th AMW	18 RCH599	31.ZM400/400	Atlas C1	70sq	* RRR466
63-8045	KC-135R	6th AMW	18 RCH349	79-1948	KC-10A	60th AMW	arr Gold81
95-00123	UC-35A	E/1-214th AVN	Duke77	58-0073	KC-135R	117th ARS KS ANG	RCH404
166693	C-40A	VR-57	CNV6444	99-0402	C-37A	76th AS	Valor37
163591	KC-130T	VR-55	18 CNV6384				
18.62-3529	KC-135R	314th ARS AFRC	20 RCH250	<u>Credits: MAR, Scramble messageboard.</u>			
61-0318	KC-135R	117th ARS KS ANG	RCH412	Northolt			October 2018
166693	C-40A	VR-57	CNV6444	01.ZM333	Phenom T1	45sq	CWL45
19.LX-N90443	E-3A	NAEW&CF	* NATO40	02.258	Lj45	102sq	IRL258
20.15-5842/CA	HC-130J	130th RQS CA ANG	King66	MM62169	P180E	28* Gr Sqd AVES	03 IEI2801
62-3509	KC-135R	77th ARS AFRC	21 RCH147	ZJ135/T	Merlin HC3i	846NAS	Junglie413
63-8045	KC-135R	6th AMW	21 RCH136	ZZ398	Wildcat AH1	1Regt	Valiant61/62
11-00266	MC-12S-1	US Army	22 Elvis29	ZZ403	Wildcat AH1	1Regt	Valiant61/62
166693	C-40A	VR-57	CNV6442	03.252	CN-235M-100	101sq	IRL253
21.166693	C-40A	VR-57	CNV6442	11.ZZ403	Wildcat AH1	1Regt	Valiant62
22.83-0080	KC-10A	60th AMW	23 Roma91	VQ-BMZ	G650	Gvmt of Jordan	12 RJA952
169225/BH	KC-130J	VMGR-252	Otis81	12.N-973	MH-60R	Esk.724	DAFN973
23.92-3290/GA	E-8C	116th ACW GA ANG	Peach68	ZH904	Chinook HC5	27sq	SHF530
87-0041	C-5M	337th AS AFRC	RCH557	ZZ403	Wildcat AH1	1Regt	Valiant61Flt
166514	KC-130J	VMGR-252	* Otis85	ZZ511	Wildcat AH1	1Regt	Valiant61Flt
84-00156	C-12U-3	E/1-214th AVN	Duke33	13.TC-GAP	G450	Gvmt of Turkey	15
84-00162	C-12U-3	E/1-214th AVN	Duke31	16.ZM504	Juno HT1	DHFS	SYS100
163591	KC-130T	VR-55	24 CNV6484	17.ZM504	Juno HT1	DHFS	SYS102
24.FA77	F-16AM	10w	BAF451	18.165151	C-20G	CFSLW Det Sigonella	19 Catbird1
ZZ665	Airseeker R1	51sq	Goose31	AT01	Alpha Jet 1B+	11sq	19 BAF101/2
84-00162	C-12U-3	E/1-214th AVN	Duke64	AT03	Alpha Jet 1B+	11sq	19 BAF101/2
166513	KC-130J	VMGR-252	Otis86	83+12	Sea Lynx Mk88A	MFG5	19 GNY4619
25.62-3534	KC-135R	22nd ARW	26 RCH317	ZM532	Juno HT1	DHFS	19 SYS87
58-0089	KC-135T	6th AMW	26 RCH142	ZH843	Merlin HM2	814NAS	19 Excalibur88
G-BYVG	Tutor T1	6 FTS	* Wittering26	ZM333	Phenom T1	45sq	19 CWL64
26.84-0189	KC-10A	305th AMW	28 Blue41	19.84-0083	C-21A	76th AS	Falcon01
27.04-4133	C-17A	305th AMW	RCH540	ZJ954	Puma HC2	Benson Wg	Alien
07-7175	C-17A	436th AW	RCH104	22.ZK552	Chinook HC6	7sq	SHF495
00-0181	C-17A	167th AS WV ANG	RCH106	24.N-324	NH90-NFH	860sq	Guardian26
28.166693	C-40A	VR-57	CNV6624	166376	C-37B	VR-1	26 VV300
29.07-8614/RS	C-130J-30	37th AS	Herky711	<u>Credits: MAR, Scramble messageboard.</u>			
84-00156	C-12U-3	E/1-214th AVN	Duke94	Prestwick			October 2018
84-00162	C-12U-3	E/1-214th AVN	Duke41	01 ZH002	Defender AL2	651sq	* AA501
900528	C-26D	AOD Sigonella	30 CNV6628	ZH883/883	Hercules C5	24/47sq	RRR186
166693	C-40A	VR-57	CNV6624	ZF244/244	Tucano T1	72sq	LOP22
166513/BH	KC-130J	VMGR-252	Otis71				



Ostrava/Mosnov used to be an operational MiG-21 base of the Czechoslovakian Air Force. Those days are long gone, however the airport does have some occasional military visitors. On 16 September 2018, Erik Vangeel photographed L-410FG 1525 on finals, probably arriving from Kbely, homebase of its unit 24.zDL.



Civil News

On Friday 16 November 2018, the maiden flight of the corporate version of the new A320neo family took place. MSN 8403, with test registration D-AVVL, took off from Hamburg-Finkenwerder at 14:03 and landed safely at 16:43. The next day the aircraft was ferried to Toulouse where it will undergo tests of its supplementary fuel tanks and pressurisation system, among other features, before being transferred to Swiss outfitter AMAC at Basle. The aircraft will be delivered to Farnborough based Acropolis Aviation and will be registered on delivery as G-KELT. (Hamburg-Finkenwerder, 16 November 2018, Airbus)

Manufacturers News

Airbus

ACJ320neo

On Friday 16 November 2018, the first flight of the corporate version of the new A320neo family took place. The aircraft – MSN **8403**; test registration D-AVVL - with the marketing name ACJ320neo successfully completed a two hour and 40 minute first flight from Hamburg. The ACJ version of the A320neo includes features as extra fuel-tanks in the cargo hold to deliver more intercontinental range, plus greater cabin-pressure for better passenger comfort. These features will be tested before the aircraft will be delivered to its customer of Farnborough based Acropolis Aviation. After delivery, the aircraft will fly to Basle for cabin outfitting and a repaint in customer colours.

The ACJ320neo family consist of the ACJ319neo which can fly eight passengers 12,500 km or more than fifteen hours and the ACJ320neo, which can fly 25 passengers 11,100km or more than 13 hours. Airbus has orders for three ACJ319neo aircraft and seven ACJ320neo aircraft.

A330-800N

The ACJ320neo was not the only Airbus product that made its first flight in November. Ten days before on Tuesday 6 November 2018, the smallest variant of the new A330neo family, the A330-800N conducted its maiden flight. The A330-800N test aircraft - MSN **1888**; test registration F-WTTO – took off from Toulouse on 10:30h, exactly 9,500 days / 26 years – after the first ever A330 flight on 2 November 1992. The test programme for the A330-800N will consist of 350 flight hours. The A330-800N is five meters shorter than the A330-900N and has a taller fin. This shorter fuselage means that the engines are closer to the front and back of the aircraft, which means that it will have a difference on the anemometry of the aircraft and the aircraft's behaviour. Also the difference in the structural response of the aircraft during the flutter testing will be checked in the test programme. Certification for the A330-800N is expected for the third quarter of 2019.

The first flight of the larger A330-900N took place in October 2017 and the A330-900N was certified by the European aviation authorities late September 2018.

The first A330-800N was supposed to be delivered to Hawaiian Airlines, but this airline cancelled the order and switched to the Boeing 787-9, just after the A330-800N test aircraft was structurally completed. As Hawaiian Airlines was the only customer, many people believed the aircraft would never fly, but the flight on 6 November proved they were wrong. Kuwait Airways is now said to be the first customer for the A330-800N, with deliveries expected to start in the first half of 2020. Kuwait Airways has eight A330-800N on order. The only other customer is Uganda Airlines which has a Letter-of-Intent (LOI) for two A330-800N. Its larger sibling, the A330-900N is with 234 orders and 44 LOIs from 17 operators far more successful.

Boeing

737-7FC

The Bahrain Air Show in November marked the debut of the first Boeing 737-700 FlexCombi conversion. The former 737-700 passenger aircraft (MSN **30293**) had been operated by Air Berlin, Yakutia Airlines and Alrosa Avia, before being converted by PEMCO World Air Services at Tampa (FL) earlier this year. The PEMCO FlexCombi offers three configurations: a 24-passenger cabin plus a 2,640-cubic-foot cargo hold for up to 13,600 kilo of payload in six pallet positions; a 12-passenger cabin plus a 3,005-cubic-foot cargo hold for up to 15,875 kilos of payload in seven pallet positions; or full-freighter mode consisting of a 3,370-cubic-foot cargo hold for up to 18,143 kilos of payload in eight pallet positions. The available positions will accommodate 88" x 125" or 88" x 108" pallets, with the seventh and eighth positions accommodating smaller pallets. Besides the FlexCombi, PEMCO also offers a full freighter conversion for the 737-700 which features nine pallet positions, up to 20,410 kilos of payload, and 3,844 cubic feet of total volume. The available positions will accom-

modate 88" x 125" or 88" x 108" pallets, with the ninth position accommodating a smaller pallet. The first 737-700FC will be delivered to Bahrain based Texel Air in the near future as an addition to the two 737-300SF currently in active service with the airline. The Texel Air 737-700FC will be registered as A9C-FLX ('flexible').

777-9

On 20 November Boeing joined the fuselage sections of the first 777X test aircraft that will take to the skies. In the "final body join", the nose section, mid and aft sections were connected at the Boeing Factory at Everett (WA). With a length of 76.72M it is almost a half metre longer than the Boeing 747-8, so the 777X is the longest aircraft ever manufactured by Boeing. A separate test aircraft for static ground tests was already completed in September 2018. The first test flight for the 777X is scheduled for 2019. Boeing will build three more flight test aircraft of the 777X family after its maiden flight, so there will be five 777X test aircraft in total, from which one will never fly.

The 777X comes in two versions. The 777-9 which can seat 414 passengers in a standard two class configuration and offers a range of 14,000 km and the 777-8 which has a seven meter shorter fuselage (69.79m) and can seat 365 passengers and offers a range of 16,000 km. The test aircraft is a 777-9 variant. The first 777-9 will be delivered to launch customer Emirates in 2020. Boeing has orders for 326 777X family aircraft; 263 for the 777-9, 53 for the 777-8 and 10 for which the customer hasn't decided whether it wants a 777-8 or a 777-9.

ATR

ATR and Air New Zealand stated on 14 November 2018 that they are joining forces on a study to explore the possibility of a hybrid airplane platform for passenger transport. In the next decade the first, smaller, hybrids are expected to enter the market and ATR seeks connection to this development stream. Given the timeline of ten years from now, lots of details have to be filled in however you can start getting used to a hybrid looking ATR72 model for the time being.

Bombardier

DHC-8-100/200/300/Q400

In Scramble 473 we reported about the launch of the high density DHC-8-Q400 version, however there was a catch. On 8 November Bombardier announced that they will sell their entire DHC-8 production line and type certificate rights to Viking Air. By Q3 2019 the transfer has to be completed as Bombardier explained they want to focus on the CRJ-production and their business jets, thereby streamlining their operations and regaining control over their financial position. In this light the earlier announced joint venture with Airbus on

Airliner News

Europe

The Netherlands

Corendon has signed a lease-agreement with ALC for two new B737MAX9s. The first one will be delivered next year in May and will be registered PH-CDK. The second one will arrive a year later and will replace B737-800 PH-CDE, which lease is to expire in December 2019.

Belgium

Brussels Airlines will add five used Airbus A330-300s to its fleet in the coming months. Three are former Lufthansa, one is coming from Cathay Pacific and the last one from Singapore Airlines. With the arrival of the new planes, Brussels Airlines will phase out their two A340-300s they are operating for Eurowings, which indicates that some of the new arrivals will also be operated for Eurowings.

the CS100/300 migration towards Airbus A220-100/300 also makes more sense as Bombardier needs a strong change of winds to get back on their feet. Apart from the empty slots on the production lines the flight/ground training facilities will be terminated as well. Viking Air already purchased the type certificate rights for the DHC-6 Twin Otter back in 2006 and this USD 300 million deal will expand the Viking Air market footprint significantly.

Global 7500

On 7 November 2018 Bombardier was pleased to announce that they have received the FAA approvals for their Global 7500. This burden will clear the final approach for first customer deliveries late December 2018. Recent test flights also unveiled that the listed range of 7,400 miles actually became 7,700 miles (14,240km), enabling non-stop flights between New York to Hong Kong and Singapore to San Francisco, being the sole platform at this moment capable of these performances.

COMAC

ARJ21-700

During the Zhuhai 2018 Airshow COMAC showed and displayed their ARJ21-700 regional jet in three customer liveries. Launch customer Chengdu Airlines could be seen with B-3328 (c/n 111), Urumqi Air with B-001Z (c/n 115) and final airline was Genghis Khan Airlines with B-001R (c/n 116). Both B-3328 and B-001R are destined for delivery in December 2018.

C919

Comac had C919 prototype number three, registration 103, in final assembly at Shandong and is expected to perform its first flight before 31 December 2018. In the meantime prototypes 101 and 102 are working on the flight evaluation program out of Xian, Shandong and Jiangxi.

Embraer

During the NBAA-BACE 2018 at Orlando, Embraer released their Praetor 500/600 midsized business jets. Following the Embraer 545 (Legacy 450) and Embraer 550 (Legacy 500) the Praetor series share a lot resembling looks however the Praetors are marked as the next level of style and performance in the midsized segment, just above the Legacy 450/500 and under the Legacy 600. The Praetor 500 will focus more on speed and regional performances while the Praetor 600 needs to sneak in the Cessna 680/CL-300 segment, aiming for nonstop Atlantic crossing operations. While still under development two prototypes of the 600 model are entering the test flight programme for the type certification. Following the experience of the Embraer 545/550 Embraer is aiming for service entry in Q2 2019 and the 500 model following Q3 2019.

Czech Republic

As part of a restructuring, Travel Service has decided to drop the Travel Service-brand and use the Smartwings-brand instead. Also part of the restructuring is that the parent company is changing its name into the Smartwings Group, which consists of two airlines; Smartwings and Czech Airlines.

France

Air France has decided to half its Airbus A380-fleet, which means a reduction of five aircraft. Air France operates ten A380s, of which five are leased. The first two aircraft are set to be phased out next year as their leases expire. The five remaining and owned A380s will receive a cabin refurbishment from 2020 onwards.

Germany

Binair has ceased all operations. On 29 October the German Civil Aviation Authority revoked the airline's AOC and after



In October 2017 Air Transat signed a seven-year winter aircraft exchange agreement with the Thomas Cook Group, whereby it will receive a number of A321s from Thomas Cook Airlines in winter, to serve its short and medium-haul destinations in the Caribbean, Mexico and Florida, while supplying A330s to Thomas Cook Airlines to operate long-haul services from Europe to destinations such as Cuba and the Dominican Republic. So this winter season seven Thomas Cook Airlines A321 aircraft are added to the two unit strong Airbus A321 fleet of Air Transat. In November Air Transat painted one of their own A321s - C-GEZJ - with special markings to promote its Kids Club programme, which offers all kinds of travel goodies for young travellers between the age of 2 and 11. (Toronto – Lester B. Pearson (Ont.), 10 November 2018, Andrew Cline)

the airline had already stopped flying on 19 October. The company, which operated twelve Metroliners, was founded in 1996.

Iceland

The Icelandair Group has signed an agreement to buy all shares of [WOW air](#). The deal is subject to approval from the shareholders of the Group and an extra shareholder-meeting is planned to take place within the next three weeks. If given the go-ahead WOW air will continue to operate as a separate brand in the Icelandair Group.

Italy

According to Italian media, the government has given [Alitalia](#) permission to lease three Airbus A321neos as of January next year. The three new aircraft are former Primera Air-planes, which went bankrupt earlier this year. The new A321neos will replace some of the oldest A321s in the current fleet. Alitalia operates a fleet of twelve A321s, which are on average more than 21 years old.

Latvia

To celebrate the first 100 years of the country, [Air Baltic](#) has painted one of its A220-300s in a special “flying the flag”-livery.

Poland

Saab 340-operator [SkyTaxi](#) has decided to go big and added a B767-200F to its fleet.

Russia

Leasing company GTLK has signed lease deals with two Russian airlines, [Alrosa Avia](#) and [Rusline](#). Both deals are for two SSJ100s each and involve twelve year leases. Alrosa Avia operates a fleet of five B737s, one Tu-134, one Tu-154, one IL-76 and several smaller aircrafts. Rusline has a fleet of 15 CRJ100/200s.

Spain

Swiftair is, according to Spanish media, working on a take-over of fellow Spanish cargo company [Cygnus Air](#), which currently operates two B757Fs. Swiftair is operating a fleet of six ATR42s, eleven ATR72s, one B737-300, eight B737-400s and ten E120s.

[Wamos Air](#) has announced that it plans to phase out their six B747-400s by the end of 2021 or 2023 depending on market conditions. The aircraft will be replaced by additional A330s. Next year the Spanish airline is set to add two former China Southern A330-200s to its fleet.

Turkey

In a small statement [Turkish Airlines](#) announced that they have ordered three more B777Fs. The aircraft will be delivered in September 2019, January 2020 and February 2020.

United Kingdom

Airbus and [easyJet](#) announced on 20 November that the airline has decided to firm up seventeen options for the A320neo into firm orders. The new aircraft should start to arrive from 2023 onwards. With this latest order, easyJet has now ordered a total of 117 A320neos. The airline had also placed orders for thirty A321neos. To date, easyJet is one of Airbus’ largest customers with a total of 468 aircraft ordered.

Last month [flybe](#) decided to put themselves on sale. Since then they have attracted interest from the Stobart Group (owner of Southend Airport and Stobart Air) and Virgin Atlantic. Both companies are now in serious talks to buy the regional airline.

Africa

Kenya

Lessor Chorus Aviation has ordered two DHC-8-400Qs at Bombardier Commercial Aircraft. Both planes will be leased to [Jambojet](#) and delivered next year. Jambojet already flies five of the type.

Madagascar

[Air Madagascar](#) is planning to add two A330-200s to its fleet. It is also planning to acquire the two A340-300 they are currently dry-leasing from Air France. Eventually the two A330s will be used as a replacement for the A340s.

Morocco

The delivery of their first B787-9 is a reason for [Royal Air Maroc](#) to paint the aircraft in a special livery. So something to look out for when the plane will be delivered later this month.

Asia

China

[China Southern Airlines](#) has decided to leave the Skyteam alliance from 1 January 2019.

After a six year storage, [SF Airlines](#) has added former Jade Cargo B747-400F B-2422 to its fleet, while B-2423 is also soon to be added to its growing fleet of freighters.

At the Zuhai Airshow, [Tianju Airlines](#) signed an agreement



This winter season, Travel Service leases former Air Transat Airbus A330-200 C-GTSI. They subleased it to sister company Travel Service Polska, but will be registered in the Czech register as OK-GBB. It will operate charter flights from Warsaw-Chopin Airport to the Caribbean, Zanzibar and Thailand. (Prague, 1 November 2018, Václav Kudela)

with COMAC and AVIC for thirty ARJ21-700s. No delivery timeline has been announced.

India

IndiGo has decided to change orders for 125 A320neos into the larger A321neo. The airline now has 150 A321neos on order. With this change, IndiGo has ordered 280 A320neos, of which 56 have been delivered.

Kazakhstan

Air Astana will, next year, create its own LCC. The airline is to be named FlyArystan and will fly out of multiple bases in Kazakhstan. The new company will offer domestic destinations at first, but later also regional international destinations. FlyArystan is planning to fly the Airbus A320 and wants to operate fifteen of them by 2022.

Macau

As part of its fleet renewal plans, Air Macau has decided to lease three Airbus A320neos via BOC Aviation. All three will be delivered in the first half of next year.

Malaysia

The CEO of AirAsia has been talking to various news agencies, so this is always good for some information. First he said that he is thinking about changing part of Air Asia's order for 100 Airbus A330-900s into orders for the A321neo, possibly the A321neoLR. Currently the airline already has orders for 100 A321neos, as well as 304 A320neos (of which 23 are delivered). Tony Fernandes also talked with the Nikkei Asian Review to which he said that he is very interested in the MRJ70/90 of Mitsubishi Aerospace for use on thinner routes in Asia. According to Fernandes he has asked the manufacturer to make him an offer.

South Korea

Boeing and Jeju Air announced that they signed an order for forty B737MAX8s. The new planes will be used for expansion and to replace the current fleet of almost forty B737-800s. Jeju Air also took options on another ten B737MAX8s.

Latin America

Trinidad & Tobago

Caribbean Airlines has ordered twelve B737MAX8s at Boeing. The aircraft will be used to replace the airline's current fleet of twelve B737-800s.

Middle East

Israel

On 14 November, Arkia had the honour to become the world's first A321neoLR-operator as it took delivery of the first aircraft.

If you still need to spot a B767-300ER of El Al you will need to hurry as the airline will phase out the type at the end of January. Currently the airline still operates five of them, of which four are leased. They are being replaced by new B787s.

Lebanon

According to its full-year financial statement, MEA has committed to four Airbus A330-900s. The first two will be delivered in 2021, the other two a year later. The four aircraft will replace four A330-200s in the fleet. The four new widebodies are part of MEA's fleet renewal program, which also includes an earlier placed order for eleven A321neos. The first A321neo is expected next year.

Saudi Arabia

SaudiGulf Airlines did some shopping with Airbus during the Bahrain Air Show and ordered ten A320neos. The airline already operates six A320s and also has orders for 16 B777-300ERs.

United Arab Emirates

Charter-specialist company Alexcina signed a LOI with Sukhoi at the Bahrain Air Show for up to twelve SSJ100s. The aircraft could also be delivered to subsidiary Alexcina Airways or to other Alexcina-customers.

Etihad has painted a new aircraft in a special F1-livery. This time it is a B787-9.

North America

United States of America

American Airlines has ordered fifteen additional ERJ175s with Embraer. The new planes will be delivered from 2020 onwards and to be operated by subsidiary Envoy Air. Earlier this year, in May, American Airlines also placed an order for fifteen of the type. Since 2013, the airline has ordered 104 ERJ175s

On 27 October, Delta Air Lines took delivery of its first of 75 Airbus A220-100s during a special ceremony at the factory at Mirabel. The aircraft, N101DU, will enter commercial service early next year.

The airline also reached a deal with Airbus for ten additional A330-900s and a deferral of their last ten A350-900s to 2025-2026. Delta also has the possibility to swap the A350s for A330-900s.

On 5 November, United took delivery of their first B787-10 at the Charleston (SC) plant of The Boeing Company. The plane is planned to start commercial operations on 7 January between Newark (NJ) and Los Angeles (CA). Later on, the B787-10 will also be used on destinations in Europe out of

Newark (NJ). With this latest delivery, United has become the first airline to operate all three variants of the Dreamliner. United has ordered fourteen B787-10s.

Aircraft orders

Underlining means an update compared to last month. We only report orders as published by the aircraft manufacturers.

Airbus 2018 firm orders

Aegean Airlines	20	A320neo	
	10	A321neo	
Airbus Defence and Space	1	A330-200	
Air New Zealand	2	A321neo	
Allegiant Air	1	A320	
CALC	15	A320neo	
Druk Air	1	A320neo	
Emirates	20	A380-800	
Goshawk Aviation	20	A320neo	
IAG (for LEVEL)	2	A330-200	
<u>Kuwait Airways</u>	8	<u>A330-800</u>	
<u>Lufthansa</u>	9	A320	
	23	<u>A320neo</u>	(+17)
Macquarie Financial Holdings Private	20	A320neo	
	1	ACJ320	
Salamair	1	A320neo	
Scandinavian Airlines	35	A320neo	
	1	A330-300	
Sichuan Airlines	10	A350-900	
Spirit Airlines	5	A320	
Swiss	7	A320neo	
	3	A321neo	
Turkish Airlines	25	A350-900	
<u>Undisclosed</u>	5	A319	
	22	A319neo	
	3	A320	
	6	A320neo	
	20	<u>A330-900</u>	(+10)
	23	A350-900	
<u>Vietjet Air</u>	2	A321	
	50	<u>A321neo</u>	
Viva Aerobus	25	A321neo	
Total	396		(+85)

ATR 2018 firm orders

Air Botswana	2	ATR72-600
Air Saint-Pierre	1	ATR42-600
Aurigny	3	ATR72-600
Bangkok Airways	4	ATR72-600
Drukair	1	ATR42-600
EasyFly	2	ATR42-600
	3	ATR72-600
	2	ATR72-600
	2	ATR42-600
	16	ATR42-600
	36	

Boeing 2018 firm orders

Air Lease Corporation	38	B737MAX	
	3	B787-9	
Air Peace	10	B737MAX8	
American Airlines	25	B787-9	
ANA Holdings Inc.	2	B777F	
<u>Aviation Capital Group</u>	23	<u>B737MAX</u>	(+3)
BOC Aviation Limited	9	B787-9	
<u>Boeing Capital Corporation</u>	75	B737MAX8	
	1	B777F	
	29	<u>B787</u>	(+1)
DHL	10	B777F	
FedEx Express	11	B767-300F	
	12	B777F	
GOL	15	B737MAX8	
Goshawk Aviation Limited	20	B737MAX8	
Hawaiian Airlines	10	B787-9	
Jackson Square Aviation	30	B737MAX8	
Jet Airways	150	B737MAX8	
Lufthansa Cargo	2	B777F	
<u>Private</u>	4	<u>BBJ</u>	(+1)
Qantas Airways	6	B787-9	
Qatar Airways	5	B777F	
Royal Air Force	3	P-8A	
Ryanair	25	B737MAX200	
SkyUp Airlines	2	B737MAX8	
	3	B737MAX10	
Southwest Airlines	40	B737MAX8	
Swiss International Air Lines	2	B777-300ER	
TAROM	5	B737MAX8	
TUI Travel PLC	2	B737MAX8	
Turkish Airlines	25	B787-9	



In October 2017, Spanish Air Nostrum bought a 51% stake in the Maltese airline Medavia. Medavia was established in 1978 as a joint venture between the Libyan and Maltese governments to provide a wide variety of aviation services, ranging from charter services to worldwide procurement of aviation fuel. As the company had become wholly Libyan owned, the purchase of a large share of the airline of an EU based airline was expected to circumvent threatened EU action. This summer, Air Nostrum transferred four of its CRJ1000 aircraft to its new Maltese subsidiary and all four were registered in the Maltese register. Three of these CRJ1000s were wet-leased by Air Nostrum to Binter Canarias. This lease agreement remains in place, but instead of being leased from Air Nostrum and registered in Spain, these three CRJ1000s are now wet-leased from Medavia and registered in the Maltese register. One of these three, 9H-MOX, is seen here at Palma de Mallorca. (11 October 2018, Simon Butler)

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<u>Turkmenistan Airlines</u>	3	<u>B737MAX7</u>	
<u>Unidentified</u>	111	<u>B737</u>	(+3)
	1	<u>B777-200LR</u>	
	8	B787	
United Airlines	13	B787-9	
United States Air Force	18	KC-46	
United States Navy	10	P-8A	
UPS	14	B747-8F	
	9	B767-300F	
UTair Aviation	30	B737MAX8	
Uzbekistan Airways	1	B787-8	
<u>Vistara</u>	6	<u>B787-9</u>	
Total	821		(+18)

Bombardier 2018 firm orders

airBaltic	30	CS300
Air Connection Express	6	DHC-8-400Q
American Airlines	15	CRJ900
Biman	3	DHC-8-400Q

Conair Group	6	DHC-8-400Q
Delta Air Lines	25	CRJ900
Ethiopian Airlines	10	DHC-8-400Q
Uganda Airlines	4	CRJ900
Total	99	

Embraer 2018 firm orders

<u>American Airlines</u>	30	<u>ERJ175</u>	(+15)
Azul	30	ERJ195-E2	
Helvetic Airways	12	ERJ190-E2	
Mauritania Airlines	2	ERJ175	
Nordic Aviation Capital	3	ERJ190	
Republic Airways	100	ERJ175	
Unidentified	3	ERJ195-E2	
United Airlines	25	ERJ175	
Wataniya Airways	10	ERJ195-E2	
Total	215		(+15)

Credits: Aviator.aero, CH-Aviation, Scramble Messageboard, Airbus, Boeing, ATR, Bombardier, Embraer and Flight Global.

Jetliners



Airbus A320 OE-LOB is the first aircraft to wear the new Laudamotion colour scheme. All other aircraft are still wearing the Air Berlin colours as they are all former Air Berlin/Niki aircraft. That is not the case with this A320 OE-LOB, as this is former TC-JPC of Turkish Airlines, and was delivered at Vienna on 20 November. In the coming months Laudamotion will return their current leased ex Air Berlin/Niki fleet of four A321s and five A320s to their owners and replace them with other A320s. They plan to have a fleet of nineteen A320s ahead of summer 2019 season. (Vienna, 20 November 2018, Robert Erenstein)

A300	B4-605R	701	EP-MNN	Iran Airtour, ex Mahan Air. Delivered on 28 October.
	B4-622RF	756	S5-ABO	Solnair, ex TC-MCH of MNG Airlines. Delivered on 9 November. Still wearing MNG and DHL titles.
A318	-111	2918	F-GUGN	Joon, ex Air France. Transferred late November.
	-111	3009	F-GUGR	Joon, ex Air France. Transferred in November. That has been a long time ago that we had A318s in this section!
A319	-112	1778	LY-VET	Avion Express, ex Condor. Returned from summer lease on 28 October. Immediately placed in storage at Lourdes, but already ferried to St Athan after two weeks on 12 November. Will not be scrapped there as the aircraft is planned to be delivered to GetJet Airlines.
	-111	2360	N314NV	Allegiant Air, ex G-EZEZ of easyJet. Delivered on 9 November.
	-111	2412	N315NV	Allegiant Air, ex G-EJAR of easyJet. Delivered on 31 October.
	-111	2514	N320V	Allegiant Air, ex G-EZIP of EasyJet. Delivered on 17 November.
	-111	2528	N332NV	Allegiant Air, ex G-EZIS of EasyJet. Delivered on 20 November.
	-111	2897	6V-AMA	Air Sénégal International, ex EC-JXV of Iberia. Delivered on 22 November.
A320	-231	67	ZS-GAO	Global Aviation Operations, ex Corendon Airlines. Returned from summer lease on 30 October.
	-231	81	ZS-GAZ	Global Aviation Operations, ex Corendon Airlines. Returned from summer lease on 30 October.
	-211	229	EK32008	Air Moldova, ex Ellinair. Delivered on lease from Atlantis European Airways on 26 October.
	-231	357	YR-SEA	Star East Airlines, ex Small Planet Airlines Germany. Returned from summer lease on 31 October.
	-231	424	LZ-AAA	Electra Airways, ex Enter Air. Returned from summer lease on 22 October.
	-212	528	LY-COM	Avion Express, ex SunExpress. Returned from summer lease on 7 November.
	-214	533	YL-LCL	SmartLynx, ex Thomas Cook Airlines. Returned from summer lease on 6 November.
	-214	566	YL-LCS	SmartLynx, ex Thomas Cook Airlines. Returned from summer lease on 31 October.
	-232	709	LY-VEQ	Avion Express, ex SunExpress. Returned from summer lease on 5 November.
	-211	726	EK32002	Atlantis European Airways, ex Ellinair. Returned from summer lease on 29 October.
	-214	828	LY-VEF	Avion Express, ex Condor. Returned from summer lease on 6 November. Ferried to Kemble for storage on that same date.
	-233	902	LY-VEI	Avion Express, ex SunExpress. Returned from summer lease on 8 November. Stored at Madrid from 8 November until 16 November, when the aircraft was ferried to Chateauroux for continuous storage.
	-214	921	LY-NVZ	Avion Express, ex SunExpress. Returned from summer lease on 14 November. On that same day....

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Jet Airways is with 57 orders for the 737-8 (MAX) a big customer of the new 737 MAX family. Initially Jet Airways ordered far more 737-8s but it cancelled 25 of them from its backlog during last summer. Something which probably has to do with the dire financial situation of the airline. As of late November 2018 five 737-8s have already been delivered to the airline. One of these five currently in service is VT-JXD, seen here during landing at Dubai on 19 September 2018. (Simon Titchmarsh)

-214	921	XU-719	Sky Angkor Airlines, ex LY-NVZ of Avion Express. Delivered on 14 November.	
-214	936	ES-SAO	SmartLynx Estonia, ex TUI fly Belgium. Returned from summer lease on 28 October.	
-214	973	XY-AGO	Myanmar Airways International, ex SmartLynx Estonia. Returned from lease on 1 November.	
-214	1005	LY-VEW	Avion Express, ex SunExpress. Returned from summer lease on 6 November. Ferried to Tel Aviv for storage on that same date.	
-214	1054	N154UM	Aircastle, ex D-ASPI of Small Planet Airlines Germany. Registered in the US on 2 November. The aircraft was ferried to Goodyear (AZ) for storage on 2 November.	
-232	1183	ES-SAP	SmartLynx Estonia, ex easyJet. Returned from lease on 31 October.	
-212	1402	EC-MVG	Thomas Cook Airlines Balearics, ex OO-TCT of VLM Airlines. Delivered on 31 October.	
-214	1413	ES-ZGI	SmartLynx Estonia, ex easyJet. Returned from lease on 27 October.	
-212	1437	EC-NAD	Thomas Cook Airlines Balearics, ex C-GCKU of Air Transat. Delivered on 31 October.	
-214	1571	LY-VEB	Avion Express, ex SunExpress. Returned from summer lease on 6 November. Ferried to Chateauroux for storage on that same date.	
-214	1762	YL-LCU	SmartLynx, ex Condor. Returned from summer lease on 31 October.	
-232	1823	YL-LCP	SmartLynx, ex easyJet. Returned from summer lease on 28 October. Stored at Woensdrecht since 13 November.	
-232	1909	LY-NVY	Avion Express, ex Condor. Returned from summer lease on 1 November. Seven days later...	
-232	1909	XU-717	Sky Angkor Airlines, ex LY-NVY of Avion Express. Delivered on 8 November.	
-214	2233	YL-LCT	SmartLynx, ex Thomas Cook Airlines. Returned from summer lease on 6 November. Ferried to Woensdrecht for storage on that same date.	
-232	2689	LY-NVX	Avion Express, ex Thomas Cook Airlines. Returned summer from lease on 1 November. Three days later...	
-232	2689	XU-720	Sky Angkor Airlines, ex LY-NVX of Avion Express. Delivered on 4 November.	
-232	2863	LZ-BHH	SaudiGulf Airlines, ex BH Air – Balkan Holidays International. Delivered on lease on 15 October.	
-232	2928	OE-LOB	LaudaMotion, ex TC-JPC of Turkish Airlines. Delivered on 20 November.	
-232	3125	LZ-BHI	SaudiGulf Airlines, ex BH Air – Balkan Holidays International. Delivered on lease on 16 October.	
-232	3581	ER-00001	FlyOne, ex Corendon Airlines Europe. Returned from summer lease on 1 November.	
-214	3805	OE-ICV	easyJet Europe, ex G-EZTA of easyJet. Registered in Austria on 16 November.	
-214	3913	OE-INP	easyJet Europe, ex G-EZTE of easyJet. Registered in Austria on 16 November.	
-214	4314	VT-IKF	IndiGo, ex HZ-AS33 of Saudia – Saudi Arabian Airlines. Delivered on 21 November. Registered in between as OE-IGP of GECAS.	
-214	4958	SU-AAE	Air Arabia Egypt, ex A6-ANH of Air Arabia. Transferred to Egypt on 11 November.	
-214	5739	OE-ICW	easyJet Europe, ex G-EZWM of easyJet. Registered in Austria on 14 November.	
-214	5981	OE-ICS	easyJet Europe, ex G-EZWR of easyJet. Registered in Austria on 7 November.	
-214	6011	OE-ICU	easyJet Europe, ex G-EZWS of easyJet. Registered in Austria on 9 November.	
-214	6365	CN-NMN	Air Arabia Maroc, ex A6-AOD of Air Arabia. Transferred on 27 October.	
-214	6918	OE-ICI	easyJet Europe, ex G-EZOZ of easyJet. Registered in Austria on 12 November.	
-214	7693	OE-INA	easyJet Europe, ex G-EZRG of EasyJet. Registered in Austria on 19 November.	
-214	8075	HB-JXL	easyJet Switzerland, ex G-EZRR of easyJet. Transferred on 28 October.	
-214	8299	HB-JXM	easyJet Switzerland, ex G-EZRW of easyJet. Transferred on 5 November.	
-251N	8408	G-TTNF	British Airways. Delivered on 27 October. Test registration was F-WWBD.	
-251N	8505	G-UZHR	easyJet. Delivered on 16 November. Test registration was F-WWBH.	
-251N	8506	G-UZHS	easyJet. Delivered on 26 October. Test registration was D-AUBV.	
-271N	8510	EC-NAJ	Vueling Airlines. Delivered on 29 October. Test registration was D-AXAB.	
-214	8555	UK002	Uzbekistan Airways. Delivered on 16 November. Aircraft will be operated on behalf of the Uzbekistan government after installation of a VIP interior Test registration was D-AUBH.	
-271N	8584	EC-NAX	Vueling Airlines. Delivered on 12 November. Test registration was D-AUAF.	
A321	-231	878	OY-RUU	Danish Air Transport, ex CSA Czech Airlines. Returned from lease on 31 October.
	-231	1207	UR-WRV	Windrose Airlines, ex G-OZBO of Monarch Airlines. Delivered on 12 November.
	-231	1366	LY-VEH	Avion Express, ex Thomas Cook Airlines. Returned from summer lease on 16 November.
	-211	1881	C-GTXY	Air Transat, ex G-TCDY of Thomas Cook Airlines. Delivered on winter lease on 5 November.

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	-211	1921	C-	Air Transat, ex G-TCDW of Thomas Cook Airlines. Delivered on winter lease on 20 November.
	-231	2211	YL-LCQ	SmartLynx, ex Thomas Cook Airlines. Returned from summer lease on 1 November.
	-231	2216	YL-LCV	SmartLynx, ex Jet2. Returned from summer lease on 30 October.
	-231	2234	LY-VEA	Avion Express, ex Thomas Cook Airlines. Returned from summer lease on 1 November.
	-211	2330	SE-RAH	ScanBlu Airlines, ex UR-CRI of Windrose Airlines. Delivered on 11 November.
	-211	3334	LY-VED	Avion Express, ex Thomas Cook Airlines. Returned from summer lease on 1 November.
	-211	3441	F-GTAT	Joon, ex Air France. Transferred on 7 November.
	-211	3708	G-POWU	Titan Airways, ex Jet2. Returned from lease on 7 November.
	-211	3749	G-POWV	Titan Airways, ex Jet2. Returned from summer lease on 30 October.
	-211	6376	G-TCDP	Thomas Cook Airlines, ex D-AIAE of Condor. Delivered on 14 November.
	-211	6526	C-GTXV	Air Transat, ex G-TCDJ of Thomas Cook Airlines. Delivered on winter lease on 17 November.
	-211	6968	C-	Air Transat, ex G-TCDL of Thomas Cook Airlines. Delivered on winter lease on 21 November.
	-211	7003	C-GTXF	Air Transat, ex G-TCDM of Thomas Cook Airlines. Delivered on winter lease on 1 November.
	-211	7048	C-GTXN	Air Transat, ex G-TCDN of Thomas Cook Airlines. Delivered on winter lease on 13 November.
	-211	7055	C-GTXO	Air Transat, ex G-TCDO of Thomas Cook Airlines. Delivered on winter lease on 1 November.
	-214	7730	OE-INB	easyJet Europe, ex G-EZRH of EasyJet. Registered in Austria on 21 November.
	-251N	8145	OE-IHV	GECAS - General Electric Capital Aviation Services, ex OY-PAA of Primera Air Scandinavia. Registered in Austria on 30 October. Aircraft had been stored at Malta-Luqa from 5 October until 13 November when it was ferried to Woensdrecht for continuous storage.
	-251N	8318	OE-IHS	GECAS - General Electric Capital Aviation Services, ex OY-PAF of Primera Air Scandinavia. Registered in Austria on 30 October. Aircraft had also been stored at Malta-Luqa from 5 October until its ferry flight to Woensdrecht which took place on 12 November. Both these ex Primera Air A321neos will be delivered to TAP Air Portugal early 2019.
A330	-251NX	8517	4X-AGH	Arkia Israeli Airlines. Delivered on 13 November. First A321 for Arkia. Test registration was D-AVZM.
	-251N	8553	CS-TJK	TAP Air Portugal. Delivered on 21 November. Test registration was D-AZAH.
	-231	8600	G-WUKH	Wizz Air UK. Delivered on 13 November. Test registration was D-AVXW.
	-243	251	G-TCCG	Thomas Cook Airlines, ex C-GUFR of Air Transat. Delivered on lease on 28 October.
	-223	353	TC-OCE	Onur Air, ex Saudia – Saudi Arabian Airlines. Returned from lease on 23 October.
	-243	427	OK-GBB	Travel Service Poland, ex C-GTSI of Air Transat. Delivered on lease at Prague and registered in Czechia on 29 November. Ferried to Warsaw for operations on behalf of Travel Service Poland on 1 November.
	-343E	701	OO-SFJ	Eurowings, ex D-AIKJ of Lufthansa. Delivered on 30 October. The Airbus is operated by Brussels Airlines.
	-243	728	G-TCCI	Thomas Cook Airlines, ex C-GUBL of Air Transat. Delivered on lease on 24 October.
	-202	638	EI-GGR	Air Italy, ex A7-ACF of Qatar Airways. Delivered on 31 October.
	-343E	983	OO-SFG	Brussels Airlines, ex 9V-STB of Singapore Airlines. Delivered on 8 November.
	-243	1555	G-VYGL	Air Tanker Ltd, ex Jet2. Returned from summer lease on 7 November.
	-243	1601	G-VYGM	Air Tanker Ltd, ex Thomas Cook Airlines. Returned from summer lease on 24 October.
	-243	1862	B-1042	Capital Airlines. Delivered on 29 October. Test registration was F-WWKY.
A350	-343E	1885	B-300V	China Southern Airlines. Delivered on 30 October. Test registration was F-WWCE.
	-941	52	B-304U	Sichuan Airlines. Delivered on 26 February. Airframe was first built for SriLankan Airlines, but not taken up by that airline. Test registration was F-WZFA.
	-941	55	B-304V	Sichuan Airlines. Delivered on 20 November. Also originally built for SriLankan. Test registration was F-WZFI.
	-1041	141	A7-ANE	Qatar Airways. Delivered on Oneworld colour scheme on 16 November. Test registration was F-WZNK.
	-941	207	A7-AMG	Qatar Airways. Delivered on 26 February. Test registration was F-WZNJ.
	-941ULR	216	9V-SGE	Singapore Airlines. Delivered on 15 November. Test registration was F-WZNY.
	-1041	225	B-LXE	Cathay Pacific Airways. Delivered on 30 October. Test registration was F-WZNL.
	-1041	233	B-LXF	Cathay Pacific Airways. Delivered on 21 November. Test registration was F-WZHF.
	-941ULR	238	9V-SGF	Singapore Airlines. Delivered on 21 November. Test registration was F-WZGP.
	-941	255	D-AIXL	Lufthansa. Delivered on 22 November. Test registration was F-WZGA.
A380	-941	256	B-LGH	Hong Kong Airlines. Delivered on 21 November. Test registration was F-WZFD.
	-842	162	A6-EVB	Emirates. Delivered on 16 November. One of the frames originally built for Japanese Skymark Airlines. Test registration was F-WWSL.
B737	-505	24274	9H-OME	Air X Charter, ex Montenegro Airlines. Returned from lease on 30 September.
	-3Y0F	24463	PP-YBD	Modern Logistics, ex TF-BBD of Bluebird Nordic. Delivered on 4 November.
	-529	25249	ZS-PKU	Africa Charter Airline, ex Z3-AAM of MAT Macedonian Airlines. Delivered on 17 November. Had been stored at Skopje since August 2011.
	-33AQC	25402	C-GFFN	Air Inuit, ex G-POWC of Titan Airways. Delivered on 3 November.
	-8K5	27983	OE-IBE	ILFC Ireland Ltd, ex YL-PSI of Primera Air Nordic. Registered on 29 October.
	-75B	28104	N281WW	UMB Bank NA Trustee, ex D-AGEU of Germania. Registered on 25 October. Permanently wfu at Kemble.
	-75B	28109	VQ-BGH	Yakutia Air, ex D-AGET of Germania. Delivered on 16 November.
	-86N	28618	LZ-GNB	GECAS, ex YL-PSD of Primera Air Nordic. Registered on 10 October.
	-4D7	28702	N902NZ	Bank of Utah, ex YR-BAQ of Blue Air. Registered on 2 November. Will be converted to freighter.
	-46N	28723	N923NZ	Bank of Utah, ex YR-BAE of Blue Air. Registered on 2 November. Will be converted to freighter.
	-490SF	28892	OE-IBI	ASL Airlines Belgium, ex N797AS of GECAS. Delivered on 24 October.
	-490SF	28893	OE-IBL	ASL Airlines Belgium, ex N703AS of GECAS. Delivered on 21 November.
	-73S	29080	C-GTQI	Air Transat, ex ASL Airlines France. Delivered on winter lease on 31 October.
	-31S	29100	LZ-BVM	Bul Air, ex Ellinair. Returned from lease on 28 October.
	-8HX	29647	C-FTOH	Sunwing Airlines, ex TUI fly Netherlands. Returned from lease on 29 October.
	-8AS	29919	OM-GEX	AirExplore, ex Travel Service. Returned from lease on 24 October.
	-86Q	30292	C-FEAK	Sunwing Airlines, ex TUI Airways. Returned from lease on 1 November.
	-83N	30643	OY-JZI	Jet Time, ex PK-CMV of Sriwijaya Air. Delivered on 31 October.
	-809	30664	OE-IBF	Wilmington Trust SP Services (Dublin) Ltd, ex OY-PSE of Primera Air Scandinavia. Registered on 29 October.
	-8Q8	30670	N739MA	Miami Air International, ex Transavia Airlines. Returned from lease on 29 October.

-8Q8	30688	SP-ESE	Enter Air, ex OY-PSA of Primera Air Scandinavia. Delivered on 21 November. Was registered as OE-IBG of Wilmington Trust SP Services (Dublin) Ltd in between.
-8Q8	30724	C-GTQY	Air Transat, ex OK-TVY of Smartwings. Delivered on winter lease on 29 October.
-7BX	30743	OE-IHX	Stellar Aircraft Holding 1 Ltd, ex YL-PSG of Primera Air Nordic. Registered on 2 November.
-81Q	30785	OM-HEX	AirExplore, ex OM-HEX of TUI fly Belgium. Returned from lease on 29 October.
-73V	32413	UR-SQD	SkyUp Airlines, ex EI-GEZ of BBAM Aircraft and Leasing Management. Delivered on 13 November.
-83NBCF	32612	G-NPTC	West Atlantic, ex N474SR of Wells Fargo Trust Co NA Trustee. Delivered on 28 October and registered 2 November.
-86N	33419	OE-IHU	Celestial Aviation Trading 6 Ltd, ex YL-PSC of Primera Air Nordic. Registered on 23 October.
-86N	34247	LZ-GNA	GECAS, ex YL-PSH of Primera Air Nordic. Registered on 9 October.
-8AS	34989	HL8324	T'Way Air, ex EI-ESO of Ryanair. Delivered on 10 November.
-8AS	34992	HL8326	T'Way Air, ex EI-ESM of Ryanair. Delivered on 2 November.
-8K5	35132	C-FTZD	Sunwing Airlines, ex G-FDZD of TUI Airways. Delivered on winter lease 25 October.
-8Q8	35275	C-GVVH	Sunwing Airlines, ex OK-TVH of Travel Service. Delivered on winter lease 3 November.
-82R	35699	TC-CCK	Pegasus Airlines, ex EX-37802 of Air Manas. Returned from lease on 29 October. Previous registration wit Pegasus was TC-AAI.
-9GPER	35717	VQ-BYX	Azur Air, ex D-AZUG of Azur Air Germany. Transferred on 2 November.
-86J	36119	OO-TUK	Sunwing Airlines, ex of TUI fly Belgium. Delivered on winter lease 13 November.
-8HX	36552	C-FLSW	Sunwing Airlines, ex TUI fly Netherlands. Returned from lease on 29 October.
-8FN	37076	C-GKVL	Sunwing Airlines, ex OK-TVL of Travel Service. Delivered on winter lease 11 November.
-86J	37752	C-FWGH	Sunwing Airlines, ex TUI Airways. Returned from lease on 1 November.
-86J	37757	C-GOWG	Sunwing Airlines, ex SmartWings. Returned from lease on 31 October.
-86N	37884	OK-TST	CSA Czech Airlines. Operated by SmartWings. Per 18 November.
-86N	38025	C-GKVU	Sunwing Airlines, ex OK-TVU of SmartWings. Delivered on winter lease 18 November.
-8JP	39009	HL8331	Jeju Air, ex LN-DYV of Norwegian. Delivered on 7 November.
-81D	39438	C-GNCH	Sunwing Airlines, ex TUI Airways. Returned from lease on 1 November.
-81D	39440	C-FFPH	Sunwing Airlines, ex TUI Airways. Returned from lease on 30 October.
-8KN	40237	HL8342	Eastar Jet, ex A6-FDJ of FlyDubai. Delivered on 30 October.
-800	41235	VQ-BHT	Aeroflot. Delivered on 26 October. Line # 7227.
-800	41237	VQ-BHV	Aeroflot. Delivered on 22 November. Line # 7277.
-800	42086	LV-IQZ	Norwegian Air Argentina, ex EI-FVP of Norwegian. Transferred on 9 November.
-8	42835	SE-RTA	Norwegian Air Sweden. Delivered on 20 November. Line # 7231.
-8	44297	VQ-BGV	S7 Airlines. Delivered on 25 October. Line # 7192.
-800	44791	SP-RSM	Ryanair Sun, ex EI-FZX of Ryanair. Transferred on 15 November.
-800	44796	SP-RSO	Ryanair Sun, ex EI-FZZ of Ryanair. Transferred on 7 November.
-800	44797	SP-RSP	Ryanair Sun, ex EI-GDA of Ryanair. Transferred on 8 November.
-800	44798	SP-RSN	Ryanair Sun, ex EI-FZY of Ryanair. Transferred on 8 November.
-800	44799	SP-RSR	Ryanair Sun, ex EI-GDB of Ryanair. Transferred on 15 November.
-800	44857	EI-GXL	Ryanair. Delivered on 16 November. Line # 7264.
-800	44859	EI-GXJ	Ryanair. Delivered on 8 November. Line # 7249.
-800	44860	EI-GXK	Ryanair. Delivered on 14 November. Line # 7257.
-8	44593	G-TUMA	TUI Airways. Delivered on 16 November. Line # 7211.
-8	60034	TC-LCC	Turkish Airlines. Delivered on 5 November. Line # 7132.
-8	60976	A6-FMG	FlyDubai. Delivered on 10 November. Line # 7125.
-8K2	62149	PH-HXA	Sun Country Airlines, ex Transavia. Delivered on winter lease 1 November.
-8	63970	LN-BKE	Norwegian. Delivered on 29 October. Line # 7110.
-800	64441	G-JZBR	Jet2. Delivered on 7 November. Line # 7247.
-8	64607	EI-GGL	Air Italy. Delivered on 20 November. Line # 7195.
-800	64864	VP-BQE	Pobeda. Delivered on 30 October. Line # 7234.
-800	64988	7T-VCT	Tassili Airlines. Delivered on 20 November. Line # 7272.



This Boeing 747-400 was originally delivered to Malaysia Airlines in 1993. After fourteen years of passenger service, the Jumbo was converted to freighter at Tel Aviv and re-delivered to World Airways. Late November 2013, World Airways phased out the aircraft, but after a few months of storage at Rome-Griffis (NY) it was picked up by Air Atlanta Icelandic, who operated the aircraft from March 2014 until March 2018 for Saudi Arabian Airlines Cargo. In the summer of 2018 the aircraft moved to Astral Aviation, a Nairobi based airline that operates scheduled and non-scheduled cargo charters, mainly to destinations in Africa. Although the aircraft wears Astral titles and markings, it is still operated by Air Atlanta Icelandic, so it remains on the Icelandic register as TF-AMM. (Brussels-Zaventem, 20 October 2018, Jan-Pieter Libens)

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B747	-412BCF	26557	N471MC	Atlas Air, ex B-HKX of Air Hong Kong. Delivered on 31 August. Entered service two months later on 30 October.
	-412F	28026	N908AR	Sky Lease Cargo. Written off after overrunning the runway at Halifax (Nova Scotia) on 7 November. See Dustpan and Brush for details.
	-4B5	28096	N396KA	Delta Air Lines, ex HL7495 of Korean Air. Registered in the US on 31 October. The Jumbo was withdrawn from use by Korean Air in September 2017. After one year of storage at Gimhae International it was ferried to Marana (AZ) for continuous storage on 23 October 2018. Aircraft will probably be used for spares for 747 customers from the Delta maintenance organisation. Delta phased out the 747 in their own fleet late 2017.
	-4EVERF	35170	G-CLAE	CargoLogicAir, ex VQ-BUU of AirBridgeCargo. Transferred to the UK division on 12 October.
	-4EVERF	35173	B-2422	SF Airlines, ex B-2422 of Jade Cargo International. Delivered on 26 October. Aircraft had been stored at Shanghai since early 2012.
	-4KZF	36133	N406KZ	Wilmington Trust Co., ex JA06KZ of NCA – Nippon Cargo Airlines. Ferried to Victorville (CA) for storage on 6 November and registered in the US one day latter.
	-4KZF	36135	N408KZ	Wilmington Trust Co. ex JA08KZ of NCA – Nippon Cargo Airlines. Ferried to Victorville (CA) for storage on 7 November and registered in the US one day latter.
	-8F	64259	N613UP	UPS - United Parcel Service. Delivered on 8 November. Line # 1150.
B757	-230	25140	N752AL	Aerolease 757 msn 25140 LLC, ex F-HAVN of OpenSkies. Ferried to Goodyear (AZ) on 7 September and registered on 7 November.
	-236SF	25597	VQ-BPY	Aviastar-TU, ex Yakutia Air. In service per 19 November.
	-236SF	25620	G-DHKZ	DHL Air, ex VH-TCA of Tasman Cargo Airlines. Delivered on 31 October.
	-223SF	29589	G-DHKU	DHL Air, ex N679AN of American Airlines. Delivered on 18 November.
B767	-281BDSF	23021	SP-MRF	SkyTaxi, ex N788AX of ABX Air. Delivered on 17 November.
	-323ERSF	25196	C-GXAJ	Cargojet Airways, ex N369AA of American Airlines. Delivered after freighter conversion at Tel Aviv on 28 October.
	-33AER	27909	VQ-BUO	Azur Air, ex D-AZUA of Azur Air Germany. Returned to Russia on 1 November.
	-300F	63100	N168FE	FedEx Express. Delivered on 2 November. Line # 1165.
	-300F	63101	N169FE	FedEx Express. Delivered on 20 November. Line # 1167.
B777	-21HER	29325	VP-BMR	IrAero, ex VIM Airlines. Delivered on 19 November.
	-31HER	32728	VQ-BZA	Azur Air, ex A6-EBV of Emirates. Delivered on 9 November.
	-F	60509	A6-DDF	Etiihad Airways. Delivered on 19 November. Line # 1575.
	-300ER	64994	N2748U	United Airlines. Delivered 20 November. Line # 1580.
	-F	65398	ET-AVQ	Ethiopian Airlines. Delivered on 9 November. Line # 1579.
	-F	65743	TC-LJO	Turkish Airlines. Delivered on 9 November. Line # 1578.
B787	-8	36045	5Y-KZH	Kenya Airways, ex A4O-SY from Oman Air. Returned from lease on 26 October.
	-9	36240	VH-ZNG	QANTAS. Delivered on 13 November. Line # 774.
	-9	36241	VH-ZNH	QANTAS. Delivered on 21 November. Line # 778.
	-9	38085	4X-EDH	EI Al Israel Airlines. Delivered on 30 October. Line # 760.
	-9	38794	EI-NEU	Neos. Delivered on 31 October. Line # 765.
	-9	38795	A4O-SG	Oman Air. Delivered on 31 October. Line # 767.
	-9	38796	B-1167	China Southern Airlines. Delivered on 20 November. Line # 776.
	-9	39298	B-17882	EVA Air. Delivered on 30 October. Line # 757.
	-9	39676	A6-BLV	Etiihad Airways. Delivered in a special Abu Dhabi Grand Prix colours scheme on 21 November. Line # 768.
	-9	39983	A9C-FD	Gulf Air. Delivered on 7 November. Line # 762.
	-10	40936	N14001	United Airlines. Delivered on 6 November. First 787-10 for United. Line # 731.
	-10	60257	9V-SCG	Singapore Airlines. Delivered on 29 October. Line # 565.
	-8	60631	G-ZBJM	British Airways. Delivered on 15 November. Line # 769.



WDL Aviation is one of the remaining BAe146/Avro RJ operators in Europe. They currently operate a fleet of three BAe 146-200 and one BAe 146-300 passenger versions and one BAe 146-300 cargo version. The latter was just added to their fleet late summer 2018. In the first months of this year all their 146s were operated on behalf of easyJet. The British low cost carrier needed the extra capacity, primarily in order to serve routes from Berlin-Tegel, which it took over from bankrupt Air Berlin. In the summer months the aircraft returned to WDL and since then the aircraft received new titles and a new WDL logo. Seen here at Lille airport is D-AWUE, during a wet-lease for HOP! With 32 years of service, this aircraft is the oldest BAe 146-200 in the WDL fleet. The CEO of WDL has stated that they have chosen the Embraer E190 has the successor of its ageing BAe 146 fleet. (14 November 2018, Nik Deblauwe)

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	-10	60755	A6-BMA	Etihad Airways. Delivered on 31 October. First 787-10 for Etihad. Line # 743.
	-10	60756	A6-BMB	Etihad Airways. Delivered on 14 November. Line # 754.
	-9	62725	B-206R	Hainan Airlines. Delivered on 27 October. Line # 752.
	-9	63313	LN-LNU	Norwegian, ex G-CKMU of Norwegian UK. Transferred to the Norwegian register on 24 October.
	-9	63709	B-206K	China Eastern Airlines. Delivered on 1 November. First Dreamliner for China Eastern Airlines. Line # 761.
BAe146	-200	E2050	D-AWUE	WDL Aviation, ex easyJet. Returned from lease in August and was repainted in the new WDL colour scheme. Was seen as such at Cologne-Bonn on 13 November.
	-RJ85	E2345	EI-RJH	Aer Lingus. Leased from CityJet per 23 October.
	-RJ85	E2351	EI-RJN	Aer Lingus. Leased from CityJet per 25 October.
	-300QT	E3186	G-JOTF	JOTA Aviation, ex EC-MEO of ASL Airlines Spain. Per November.
CRJ	1000	19019	9H-LOV	Medavia, ex EC-LOV of Air Nostrum. Delivered on 28 October. Still operated for Binter Canarias.
CS	A220-300	55044	HB-JCR	Swiss. Delivered on 14 November.
Do328	-300	3142	OY-NCI	Sun-Air of Scandinavia, ex D-BMAD. Re-registered on 8 November.
ERJ	135BJ	14501008	M-SAAN	Autolex Transport Ltd, ex TC-VSR of MNG Jet. Registered on 2 November.
	135BJ	14501037	N37EL	Bank of America NA, ex PR-AVX of CB Air Táxi Aéreo. Registered on 31 October.
	135BJ	14501060	N32SF	Cellpage LLC, ex P4-SVM of Petroff Air. Registered on 31 October.
	135BJ	14501234	D-AIRG	Air Hamburg Private Jets. Delivered on 31 October.
	190AR	19000202	EI-GHK	Stobart Air, ex VH-ZPI of Virgin Australia. Delivered on 15 November.

Credits: Airline-List, FlightAscend, Planespotters and Skyliner.



This Embraer ERJ145LR was delivered to ExpressJet as N12996 in August 2000 and was operated on commuter and feeder services for Continental Express and later United Express, until March 2017. Since then the aircraft had been placed in storage at various fields in the United States, until it was picked up by its new operator Global Air Transport from Libya. During its ferry flight to Libya it made a stop at Shannon. The aircraft has already been painted in the colours of its new owner, but still wears its US registration. Global Air is a privately owned airline founded in 2003 which operates air cargo services, connecting its Tripoli-Mitiga base with Benghazi and other domestic destinations, as well as international services to destinations in Bangladesh, Belgium, India, Turkey and the United Arab Emirates, using a Libyan registered Ilyushin Il-76TD, 5A-DNO. The airline is planning to introduce an Airbus A300C4 freighter aircraft, but this is still in storage at Istanbul-Sabiha Gökçen. (14 November 2018, Malcolm Nason)

Commuters

ATP	/F	2015	5Y-GMG	AeroSpace Consortium, ex SE-MHH of West Air Sweden. Delivered on 21 November.
ATR72	-212A	762	G-ISLM	Blue Islands, ex M-ABKN of Elix Assets 10 Ltd. Delivered on 30 October.
Beech 1900 D		UE-374	F-HBCK	Chalair, ex 9M-STM of MHS Aviation. Registered on 2 November.
DHC-6	-300	655	HB-LYC	Zimex Aviation, ex 8Q-ISB of Maldivian. Registered on 25 October. This aircraft had a landing accident near Malé, Maldives on 4 October 2017. Will probably be rebuilt.
Do328	-110	3066	D-CAAQ	328 Support Services GmbH, ex HB-AER of SkyWork Airlines.
Saab 340	B	176	SE-KXI	Air Leap, ex NextJet. Per 17 October with Air Leap.
	B	215	SE-LJS	Air Leap, ex NextJet. Per 17 October with Air Leap.
	B	221	SE-LJT	Air Leap, ex NextJet. Per 17 October with Air Leap.
Saab 2000		012	SE-KXK	Erik Thun AB, ex HB-IZI of SkyWork Airlines. Registered on 31 October.
		035	SE-LOM	Arafart AB, ex HB-IZS of SkyWork Airlines. Registered on 31 October.
		056	SE-LXK	Erik Thun AB, ex HB-IYA of SkyWork Airlines. Registered on 31 October.

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

Propliners

DHC	2T	1689TB57	N32GW	Great Western Aviation, ex 5N-AXN. Performed a first test flight after complete rebuild by Viking Aerospace, Victoria (BC) on 7 November 2018.
Douglas	C-47A	9186	HK-3293	Air Colombia, we reported this one was involved in a serious incident in San Felipe, Guainia (Colombia) on 11 July 2018. The props separated and damaged the fuselage. Air Colombia is undertaking an unbelievable recovery mission, bringing the airplane back to its home base in Villavicencio. A river journey of several thousand kilometres going upstream through the Venezuelan jungle to the Orinoco River and then over the River Meta back into Colombia! Facebook updates show the fuselage strapped to a large canoe, Indiana Jones-style.
	C-47A	13041	N314W	Sky Freight's Dakota, from the storage at Lehigh Acres (FL) where it lived since being seized in 1980, is gone. The airframe supplied parts for Lee County Mosquito Control during the 80s and 90s. It was finally completely scrapped in 2018, and the cockpit section was transported to the Netherlands.

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This 1996 built Beech 1900D (msn UE-207) was operated by various Canadian operators as C-GAAR, before it moved to Bonaire in the Netherlands Antilles to operate for EZ Air with registration PJ-EZA. It arrived at the island on 8 November and the 22 year-old turboprop will be joined by a second Beech 1900D (msn UE-209 - PJ-EZY) in the very near future. They will be operated on routes to Curaçao and Aruba. Until now EZ Air had operated two BN-2 Islanders on regional charter flights. (Curaçao, 8 November 2018, Roger Cannegieter)

C-47A	13541	ZS-CAI	Ex Springbok Air Service and completed its delivery flight to Princeton (NJ) on 19 October 2018.
C-47A	25347	RP-C1352	Finally confirmation from San Juan (Philippines), where about two years ago we reported a Dakota in the garden of a local youth hostel. This year a Dutchman went out to investigate and found out it is located in the backyard of the hostel in incomplete condition. Was used for the restoration of the Dak on the following line...
C-47A	25368	RP-C1354	The flagship of Charlies Hangar Hostel in San Juan (Philippines) is former RP-C1354. This is parked right in front of the main building, but does not carry external markings. Both are former CM-Aero Services aircraft and were last noted in 2011 at Manila Airport. They were identified by external characteristics, such as known damages and windows. The owner of the hostel is the son of the former owner of the Daks, Charles Miller of Charles Miller Aero Services. Some publications refer to RP-C1354 as msn 25571 but this is incorrect.
Grumman	HU16C 369	N1954Z	Albatross Adventures is now on loan to Seaplane Crossings, who are planning on recreating the first transatlantic flight in May 2019, to celebrate the 100th anniversary of this event.
Lockheed	L-1649A 1018	N7316C	Lufthansa, in a recent newspaper article about the end of the project, it was reported that based on industry rumours the main reason for terminating the restoration was because the FAA would not certify the Electronic Flight Instrument System modification to the Starliner cockpit.
NAMC	YS-11A 2051	TR-KIM	Zone Four International, was reported operating out of the UN compound at Entebbe Airport, Uganda during the month of November. No titles just a blue tail with a logo that could look like a 4. We found images taken at Nairobi-Wilson of a similarly painted YS-11, with registration S9-LBZ. Also older images with the same registration in all white colours. The website of Zone Four reports they operate one YS-11, and we already reported N744TZ was flown from Johannesburg-Rand to east Africa to operate for Four International about two years ago. We are pretty sure this white YS-11 was subsequently registered S9-LBZ and then TR-KIM. We have no dates for these transitions, as the US Registration N744TZ is still current with the FAA.

Credits: Aad van der Voet, Michael Prophet, Neil Aird (DHC-2.com) and online social propliner and photo communities.

Fokker News

F27	-050	20105	SE-MFP	BRA Regional, ex OO-VLJ VLM Airlines. Left Antwerp for Malmö-Sturup on 26 July this year on delivery to Amapola Flyg (owned by Largus Aviation). However, they leased it to BRA Regional and it flew its first service, in full colours, on 22 October from Kristiansand to Stockholm-Bromma as TF851.
	-050	20107	RP-C	LEASCOR, ex VH-FNB Virgin Australia Regional Airlines. Registration was cancelled 9 October and has been at Singapore-Seletar for almost two years now.
	-050	20113	RP-C	LEASCOR, ex VH-FNH VARA. Same story as above.
	-050	20145	SE-MFU	Amapola Flyg, ex OO-VLN VLM Airlines. Registered 26 October to Largus Aviation but operated by Amapola.
	-050	20177	5Y-SMT	Maandeeq Air, ex Skyward Express. Leased from Skyward since at least 10 June 2018, when it was seen with Maandeeq Air titles.
	-050	20187	HK-5302	Gran Colombia de Aviación, ex YV2977 Avior.
	-050	20193	HK-5301	Gran Colombia de Aviación, ex YV2917 Avior.
	-050	20198	HK-5303	Gran Colombia de Aviación, ex YV2948 Avior. All three were registered 25 October, but already flown over in August. They are still at Cali-Alfonso Bonilla Aragon and unknown in what colours.
	-050	20233	5Y-JJK	SOM Express Airways. Was listed on their website back in January 2018, but without colours and titles. Was recently seen with titles, on 23 October at Galcayo. They operate out of Mogadishu on domestic services.
	-050	20249	5Y-CHM	Skyward Express. According to our friends at Airnieuws, this Fokker now belongs to Freedom Airline Express. It was photographed during a visit to Baidoa, Somalia 28 August. It carried a corporate-style livery, very similar to 5Y-FAI (also operated by Freedom). So, confirmation of this would be most appreciated!

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	-050	20264	SE-MFR	Amapola Flyg, ex OO-VLZ VLM Airlines. Registered 24 October and leased from Largus Aviation. Already flew to Malmö-Sturup on 24 August for a C-check.
F28	-0100	11287	CS-TPC	PGA Portugalia Airlines. Nearly two years stored at Porto and it left on 22 November to Saarbrücken, as SXI1837 in all white colours. Was supposedly going to Air Panama, but it will now be scrapped.
	-0100	11317	HP-	Air Panama, ex CS-TPD Portugalia. Left Porto on 28 October on delivery to Panama, using SXI1822 as call sign.
	-0100	11342	CS-TPE	PGA Portugalia Airlines. After two years and one month storage, in all white colours, at Porto, this former PGA Fokker ferried to Saarbrücken on 16 November as SXI1838. At some point it was destined to go to Air Panama but it will also meet the same end as CS-TPC above.
	-0100	11361	VH-UQN	Alliance Airlines, ex OE-LVM Austrian Airlines. Left Norwich fully painted on 22 November, as SXI1829, on delivery to Australia.
	-0100	11493	PH-ABW	Air Hollandia. A court in Utrecht declared Air Hollandia bankrupt on 14 November, allowing all creditors to register their claims. The Dutch start-up was founded in early 2017 and planned to offer passenger charter and ACMI services but these plans never materialised. In the end, the start-up carrier never left the drawing board and now called it quits after a year and a half. The aircraft was last seen at Maastricht-Aachen Airport on 11 November.
	-0100	11505	D-AOLH	Avanti Air, ex UP-F1015 Bek Air. Returned to Saarbrücken 8 September and made a test flight as D-AOLH on 25 September. Will soon be delivered. In the past there was another Fokker 100 registered D-AOLH, 11265 for OLT Express. That airframe is last noted by us at Saarbrücken on 20 April 2017, missing engines and registration and titles painted over. If anyone has more news on this we would love to hear it!
	-0070	11554	VH-NUV	Alliance Airlines, ex OE-LFH Austrian Airlines. Ferried 5 November from Bratislava (where it arrived 23 August 2016) to Norwich for repaint, prior delivery to Alliance Airlines. It was registered as such on 14 November and seen with its new registration on 17 November, still in basic Austrian colours.

Credit: Skyliner.

Bizjets



This Cessna 650 only received its third registration during its 29 year-lifespan. After the factory registration it was registered as D-CLUE from 1990 to early 2018, when it became HA-JEV with Jet Stream 2004. (Brussels-Zaventem, 18 October 2018, Eric Vangeel)

Beech	400XT	RK-317	G-FXRS	Former N452FL is now owned by Flexjet Ltd. but operated by Flairjet Ltd.
Cessna	525 (M2)	0947	HB-VTB	TC Aviation, ex N505WS. Registered on 22 October.
	525 (M2)	1005	9H-JDV	NextGen Aviation (Malta), departed Independence (KS) for delivery on 15 October.
	525A	0113	VH-EJT	Ivan Erceg, ex M-WMWM. Registered on 25 October.
	525A	0479	F-HEMI	Icarelux, ex M-ICRC. Registered on 8 October.
	525B	0197	N34SJ	Gamma2, ex OO-FYS. Registered on 12 October.
	560XL	5022	N522WR	Meisner Aircraft, ex D-CSFD. Registered on 5 October.
	560XLS	5593	OO-MMT	Air Service Liege, ex D-CGMR. Registered on 17 October.
	560XLS	5811	9H-GKM	Avcon Jet Malta, ex OE-GKM. Registered in September.
	560XLS+	6253	CN-AMY	Royal Moroccan Air Force, delivered to Rabat on 25 October.
Challenger	300	20232	N194TD	TW Aviation, ex XA-OVA. Registered on 5 October.
	300	20333	N108ET	TLS Aviation, re-registered from N108LT on 2 November.
	350	20730	N228PK	Schubach Aviation, re-registered from N350EM on 25 October.
	350	20759	N761QS	NetJets, ex C-GOXW. Registered on 24 October.
	604	5392	N702VS	EGVS Holdings, re-registered from N325JJ on 10 October.
	604	5594	N604WA	Bev-Air, ex TC-CEA. Registered on 12 October.
	604	5505	2-NICE	Beem Holdings, ex N664D. Registered on 26 February.
	605	5745	N609SA	Swartz Aviation Group, ex M-BASH. Registered on 31 October.
	605	5764	G-DAYR	Gama Aviation, ex D-AFAC. Registered on 11 October.
	605	5851	N605CE	Expedient Voyages, ex VP-BGO. Registered on 15 October.
Eclipse	EA500	000220	N2EC	Registered on 2 November, ex N18BM.
	EA500	000246	OE-FXJ	Ex D-INDY, registered to Androtek Ltd in July.
Embraer	505	50500481	D-CTOR	Owner is now known as Hormann KG Verkaufsgesellschaft, but operator is Luxaviation Germany GmbH. Addition to Scramble 474 – Page 46.

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OO-MMT is the former D-CGMR. It has been operated by Air Service Liège since 17 October 2018. On 19 November it was ferried to Schiphol to be based there. (Antwerp, 15 November 2018, Paul Soons)

	550	55000031	G-TULI	This ex N351PF of the Embraer factory was reserved in the Isle of Man register at first, but not taken up, now it is operated by Centreline Aviation Ltd.
Falcon	7X	282	G-SPTX	Concierge U, ex F-WWHD. Registered on 24 October.
	8X	441	N9527E	TVPX Aircraft Solutions, ex F-WWVU. Registered on 5 October.
	8X	443	LX-VIP	Global Jet Luxembourg, ex F-WWVW. Delivered to Luxembourg on 19 October.
	50	67	N504ED	Pork N Aviation, ex N260ER. Registered on 9 October.
	50	163	N217PT	PJT Rising Phoenix, re-registered from N529DC on 17 October.
	50EX	297	N388JL	Aerosolutions Group, ex F-HCDD. Registered on 4 October.
	900EX	26	N133NM	Regional Logistics Missions, re-registered from N900SB on 16 October.
	900EX	232	N687HA	Ranella Consulting, re-registered from N687DC on 31 October.
	900LX	257	N884BL	Brightside Mechanical, ex F-HLFT. Registered on 25 October.
	900LX	282	N8AG	Wing and Rotor Transportation Holdings, ex VP-BFM. Registered on 26 October.
	900LX	309	N309LX	TVPX Aircraft Solutions, ex F-HDOR. Registered on 30 October.
	2000	29	N889WS	Premier Aircraft, re-registered from N889MC on 22 October.
	2000	145	N368SM	Dumont Aircraft Charter, ex N245QS. Registered on 5 October.
	2000	230	N685KF	JCG Aviation, ex N97FG. Registered on 2 November.
	2000EX	82	N946MM	Heathrow Enterprises, ex C-GSEC. Registered on 4 October.
	2000EX	117	N331HA	F R Aviation, ex VT-VLN. Registered on 1 November.
	2000LX	124	N181MG	Marmon Group, re-registered from N888CE on 18 October.
	2000LX	208	N38CP	CP-208LX, ex N1903W. Noted Cincinnati-Lunken Field (OH) 24 October.
	2000LXS	286	N1925	Rheem Manufacturing, ex C-COFS. Registered on 1 November.
	2000LXS	294	JA16AC	Shizuoka Air Commuter, noted Shizuoka 31 October.
	2000S	721	N990JP	TVPX Aircraft Solutions, ex B-8210. Registered on 16 October.
	2000S	741	F-HFDS	Dassault Aviation, ex F-WWGG. Registered on 25 October.
Global	Express	9150	N470B	Registered on 17 October, ex N488CH.
	Express	9195	C-FASD	Registered on 18 October, ex N8988.
	5000	9273	9H-ASB	Delivered to TAG Aviation Malta in November.
	5000	9819	C-GXXD	Ex C-FXFY, registered on 24 October, cancelled on 8 November again.
	5000	9852	C-GBYK	Delivered to Bombardier on 23 October.
	6000	9622	T7-FHG	Correction to Scramble 474.
	6000	9762	T7-KLT	Ex M-TSLT, delivered on 26 October. Operated by Skyline Aviation.
	6000	9805	HB-JSK	Ex D-ASNK, delivered to ExecuJet Europe on 31 October.
	6000	9812	N60TE	Ex N164GF, registered on 8 November.
	6000	9823	N711SW	Registered on 29 October, ex C-FXRE, still Bombardier.
	6000	9830	N624BP	Registered on 26 October, ex C-FYOS, still Bombardier.
	6000	9851	C-GAOF	Delivered to Bombardier on 19 October.
	6000	9853	C-GBXZ	Delivered to Bombardier on 26 October.
	7500	70014	C-FXAZ	Delivered to Bombardier on 17 October.
	7500	70018	C-FZLB	Delivered to Bombardier on 5 November.
Gulfstream	III	389	N802NA	NASA, re-registered from 83-0502 on 11 October.
	IV	1013	N450LR	Apogee Finance, re-registered from N3150C on 26 October.
	IV	1115	N160LD	N316VP, re-registered from N316VP on 25 October.
	IVSP	1446	N357PR	Aviation Enterprises, re-registered from N817ME on 15 October.
	IVSP	1487	N86MW	Airdax, ex VP-CSH. Registered on 19 October.
	G450	4088	B-3340	Funian Jet Aviation, ex B-LIS. Noted at Xi'an on 4 October.
	G450	4121	N10JP	PVM Management, re-registered from N313AV on 22 October.
	G450	4216	N961RF	Big Horn Aviation, ex B-8166. Registered on 29 October.

V	564	N934HE	Oathbringer, re-registered from N1GN on 25 October.
V	614	N93VP	Varde Flygplan, re-registered from N614CM on 9 October.
G550	5332	N550CS	TVPX Aircraft Solutions, ex PR-CIP. Registered on 11 October.
G550	5332	CC-AYB	Aero Andina, ex N550CS which was cancelled on 19 October.
G650	6013	N651FX	Flexjet, ex N888YT. Registered on 18 October.
G650ER	6332	N721MM	MGM Resorts International, ex N632GA. Delivered to Las Vegas (NV) on 19 October.
G500	72009	N1RF	St James, ex N509GD. Delivered to St Louis (MO) on 24 October.



The aircraft you see here is actually the only bizjet operated in Burundi. This Gulfstream IV started its life in 1990 and ended up as 9U-BKB in 2014, when it was acquired by the government of Burundi. It has been a regular visitor at Madrid-Cuatro Vientos almost since mid-2017, when it was first seen with Gouvernement du Burundi coat of arms applied near the door. It is seen here in the Aircraft Total Service (ATS) aviation parking area on 3 November 2018 by Roberto Yanez.

IAI	1124A	319	N959JJ	Delivered on 16 October, ex N788FS.
	1124A	428	N57BE	Cancelled by FAA on 23 October, retired.
	1125	41	N986HH	Ex N41AU, registered on 2 November.
	1126	38	N7FF	Ex N858DN, registered on 7 November.
	G150	242	N458TB	ex OE-GAS, registered on 8 November.
	G150	245	ES-AIR	Panaviatic, ex N162RU which was cancelled on 17 October.
	G200	65	N74CM	Ex OE-HAG of Avcon Jet, registered on 1 November.
	G200	146	XA-	Ex N789SB, exported to Mexico on 5 November.
	G200	208	XA-CRG	Ex N94FY in August.
	G200	2150	N280JR	Registered on 16 November, ex N250GA.
	G280	2159	N259GA	Registered on 15 October.
	G280	2161	N261GA	Delivered on 7 November, addition to Scramble 474.
	G280	2162	N262GA	Registered on 15 November.
Learjet	45	45-571	OE-GJW	Noted as such at Wichita-Eisenhower (KS) in September, exact owner/operator not known yet.
	45	45-2043	I-AVNE	Former I-GURU of Sirio SpA was re-registered recently.
	55	55-124	XA-	Former D-CONU of FAI Rent-A-Jet was sold in Mexico in September this year.
	60	60-372	OE-GSE	Former ES-LVA of Panaviatic Ltd. was recently sold to an unknown operator in Austria.
Pilatus	PC-24	111	DS-1	Former HB-VSO of Pilatus Flugzeugwerke was sold to Botswana Government.
	PC-24	113	ZS-YTB	Correct owner of this aircraft is Bassgro Aviation P/L, Correction to Scramble 474 – Page 47.
	PC-24	116	LX-PCB	Former HB-VSQ of Pilatus Flugzeugwerke was sold to Jetfly in November.
	PC-24	117	N117VK	Former HB-VSR of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-24	120	HB-VSU	Registered to Pilatus Flugzeugwerke 15 October.
	PC-24	122	HB-VSW	Registered to Pilatus Flugzeugwerke 28 October.
	PC-24	123	HB-VSX	Registered to Pilatus Flugzeugwerke 04 November.
Raytheon	390	RB-60	D-IETB	Ex M-PREI was sold to an unknown operator in Germany.

Bizpops

Beech	B250	BY-312	LN-BSB	Ex N312BY of Textron was sold to Iris Aviation Leasing Ltd., but is operated by Babcock SAA FW AB.
	B250	BY-320	D-IDAH	This brand new Beechcraft was sold to Anton Häring KG and is based at Donaueschingen.
Piaggio	P180	1010	N620CB	Ex N589H, registered on 5 November.
	P180	1020	N113SL	Cancelled by FAA on 22 October, retired.
	P180	1159	LZ-ASR	D-IVIN was cancelled on 4 September, delivered to Aviostart on 11 November.
Pilatus	PC-12/47E	471	SP-CIZ	Former N471PC of Corporate Fleet Services LLC was sold to Cracovia Air Sp z.o.o. in Poland.
	PC-12/47	738	D-FQMT	Ex N254DF of Aerospace Technologies International Inc. was sold to an unknown customer in Germany.
	PC-12/47E	1026	N881FG	Former RA-01504 of Dexter Air Taxi was sold to Corporate Fleet Services LLC.
	PC-12/47E	1029	N88AQ	Former RA-01505 of Dexter Air Taxi was sold to Corporate Fleet Services LLC.
	PC-12/47E	1661	N18YU	Former A6-GIB of GI Aviation was sold to TVPX Aircraft Solutions Inc.
	PC-12/47E	1772	TU-GGY	Former HB-FRI of Pilatus Flugzeugwerke was sold to a yet unknown owner/operator in Ivory Coast.
	PC-12/47E	1820	N820WA	Former HB-FQE of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.

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This nice looking Global 6000 OK-GRX was added to the fleet of Eclair Aviation in March of this year. It is currently the only Global operated in Czechia.

	PC-12/47E 1824	N4400B	Former HB-FQI of Pilatus Flugzeugwerke was sold to Aircraft Guaranty Ltd.
	PC-12/47E 1827	N23GM	Former HB-FQL of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E 1829	N829WA	Former HB-FQN of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E 1831	N48JV	Former HB-FQP of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E 1834	HB-FQS	Registered to Pilatus Flugzeugwerke 16 October.
	PC-12/47E 1838	HB-FQW	Registered to Pilatus Flugzeugwerke 24 October.
	PC-12/47E 1839	HB-FQX	Registered to Pilatus Flugzeugwerke 22 October.
	PC-12/47E 1840	HB-FQY	Registered to Pilatus Flugzeugwerke 07 November.
	PC-12/47E 1841	HB-FQZ	Registered to Pilatus Flugzeugwerke 28 October.
	PC-12/47E 1842	HB-FRA	Registered to Pilatus Flugzeugwerke 04 November.
Piper	46-600TP 4698088	N8007K	British European Aviation Sales, registered on 11 October. Noted at Booker 27 October.
SOCATA	TBM700C2 321	G-PTXC	Ex D-FLEX was sold to Coelus Flight Services Ltd. in November.
	TBM-930 1246	D-FEAG	This factory fresh machine was sold to an unknown operator in Germany and is based at Mannheim.

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) is a link to the Soviet Transports downloads page featuring an illustrated guide to ST construction

Ae 45S	---	CCCP-92830	AFL/Ukraine	w/o	18nov61	stalled on approach Lvov in bad weather
Ae 45S	---	CCCP-92898	AFL/North Kavkaz	dbr	18apr59	when the trainee pilot forgot to extend the landing gear
An-2TP	1G100-27	UP-A0287	Oyul Elisa	rgd	02oct18	ex CCCP-32376; c/n now known
An-2P	1G117-40	UP-A0288	Oyul Elisa	rgd	02oct18	ex CCCP-02429; c/n now known
An-2R	1G191-52	RA-84674	2nd Arkhangelsk AE	w/o	08nov18	forced landed in a wooded marshland due to icing
An-2R	1G192-23	RA-84705	Aeroflot	UUD	08oct18	derelict
An-2R	1G204-44	EW-17843	Bellesavia		24sep18	offered for sale with a t/t off 4,302 hours
An-2R	1G206-17	LZ-1200	Nedko Mitev	rgd	09feb04	canx between 24aug18 and 24oct18
An-2T	1G206-25	RF-90585	Russian Air Force	Che	13nov18	coded "01" yellow; with 'VKS Rossii' titles
An-2R	1G207-49	UP-A0334	Oyul Elisa	rgd	02oct18	ex RA-71278; c/n now known
An-2R	1G213-12	LZ-1221	Fortuna Air	rgd	20oct06	canx between 24aug18 and 24oct18
An-2R	1G215-57	UP-A0331	AK Navigator	Uze	15may17	ex UN-40920; ; c/n now known
An-2R	1G217-59	UP-A0221	Oyul Elisa	rgd	20aug18	ex CCCP-33012; c/n now known
An-2T	1G238-03	RF-00418(2)	ROSTO	photo	10nov18	at Kirov-Poroshino; c/n now known
An-2TP	1G238-14	YV3234	no titles	CBL	17jul17	ex SP-FBK
An-2	---	RF-90510	Russian Air Force	Sht	12aug14	coded "11" yellow
An-2	---	UP-A0335		KZO	07oct18	
An-26	20 05	"99" blue	Ukraine Air Force	VIN	10oct18	c/n confirmed this date
An-26	28 07 ?	RF-46892	Russian Navy	OSF	2018	c/n not confirmed; all grey c/s also wearing "21" blue
An-26B-100	142 05	UR-UZE	Constanta	rgd	30oct18	ex OB-1778-P
An-26	---	RF-36113	Russian Air Force	photo	2018	coded "57" red; possibly c/n 12410 or 6106
Il-18D	172 0114 01	UP-I1805	Jupiter Jet	FRU	oct18	in mainly light grey c/s, no titles; ex TT-WAK
Il-76MD	00534 63885	76655	Ukraine AF, n/t	Mtp	jul18	flew to Mykolayiv-Kulbakino for overhaul with NARP
Il-76MD	00534 63913	76661	Ukraine AF, n/t	Mtp	oct18	flew to Mykolayiv-Kulbakino for overhaul with NARP

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II-76MD	00634 70118	76697	Ukraine Air Force	Mtp	03oct18	returned from overhaul with NARP
II-78	00834 87598	N78MX		rgd	25oct18	to North American Tactical Aviation Inc.; ex N78GX
II-76MD-90	01-09	not known	Russian Air Force	fff	07nov18	in basic Aeroflot c/s
II-76TD	---	20640	Chinese Air Force	SZX	28oct18	version not confirmed; no turret
II-96-300	74393201003	RA-96006	Domodedovo Airlines	ZIA	12nov18	arrived from DME after ten years of storage there
II-103	03 03	RA-61915	AUTs "KLA"	CEE	07nov18	seen preserved
II-103	03 06	EW-041LL	Bellesavia	w/o	14jun15	on a forest patrol flight from Brest; t/t 2,202 hours
II-103	03 12	EW-042LL	Bellesavia		24sep18	offered for sale with a t/t off 2,460 hours
II-103	03 13	EW-043LL	Bellesavia		24sep18	offered for sale with a t/t off 2,110 hours
II-103	03 14	EW-044LL	Bellesavia		24sep18	offered for sale with a t/t off 2,213 hours
Ka-18	18 04-09	CCCP-64596	AFL/Urals	dbr	13jul62	on an auto-rotation landing close to the river Irtysh
Ka-26	75 048 11	LZ-6033	Air Concorde	GOZ	sep11	canx between 24aug18 and 24oct18
Ka-26	75 053 14	LZ-6042		photo	10jun06	canx between 24aug18 and 24oct18
Ka-52	35382612008	RF-90386	Russian Air Force	dam	08aug17	when made a hard landing on a meadow, possibly dbr
Ka-52	---	6604	Egyptian Air Force	photo	oct18	
Ansats-U	---	RF-13466	Russian Air Force	Kub	24aug18	coded "80" yellow; with 'VKS Rossii' titles
Ansats	---	"982" black	Vertolyoty Rossii	photo	nov18	
L-410UVP	81 07 26	D-COSR		res	13aug18	ex ES-PLW
L-410UVP	83 11 10 ?	9S-GUC	GE logo on tail	BTS	07oct18	c/n not confirmed; ex 9Q-CUC ?
L-410UVP-E20	87 19 20	3B-NBR		BGF	20jun18	titles not reported; ex ZS-OOF
L-410UVP-E3	89 23 25 ?	9S-GEN	Kin Avia	photo		c/n not confirmed; ex 9Q-CEN ?
L-410UVP-E20	32 06	OK-JRL	Aircraft Industries	rgd	02nov18	
L-410	---	YV2529		CBL	17jul17	no titles visible
PS-84	---	"I-690" white	NKAP/Soviet AF c/s	photo	18jan03	shown in documentary on Russian TV
Li-2	---	CCCP-I770	MAP	dbr	22oct47	overran on landing at Buguruslan
Li-2	---	CCCP-I1002	MAP zavod # 26	dbr	27feb50	destroyed on landing Ufa-Chernikovsk
Mi-1T	7 68 006 07	CCCP-L0342	AFL/Urals	toc	1957	opb Tyumenskaya aviagruppa Uralskoi OAG GVF
Mi-1T	7 68 006 07	CCCP-40342	AFL/Urals	dbr	23nov58	when pilot committed a mistake while climbing out
Mi-1A	13 009	CCCP-40478	AFL/Uzbekistan	w/o	25jun65	on an unauthorised flight from Cape Kar-Kiber
Mi-1A	13 010	CCCP-40479	AFL/North Kavkaz	dbr	27may60	when inexperienced pilot un able to land at the site
Mi-1AU	07 010	"04"	DOSAAF	w/o	22aug58	when the pilot performed an energetic manoeuvre
Mi-1MNXh	3 01 024	CCCP-17801	AFL/Kyrgyzstan	w/o	09sep64	encountered below-minima weather conditions
Mi-2	54 5639 058	not known	Russian Air Force		11may18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5648 058	"13" yellow	Belarus Air Force		02apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5649 068	not known	Russian Air Force		11may18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5701 068	not known	Russian Air Force		27apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5702 068	not known	Russian Air Force		01jun18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5705 068	not known	Russian Air Force		01jun18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5713 068	"26" yellow	Belarus Air Force		02apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5714 068	"27" yellow	Belarus Air Force		27apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5715 068	not known	Russian Air Force		27apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5721 078	not known	Russian Air Force		16mar18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 5723 078	"35" yellow	Belarus Air Force		02apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	54 7536 032	"32" white	Belarus Air Force		27apr18	bought by Motor Sich from Orshanski ARZ
Mi-2	52 7539 032	EW-20722	Bellesavia		24sep18	offered for sale with a t/t off 5,291 hours
Mi-2	54 7946 122	no code	Belarus Air Force		24sep18	offered for sale with a t/t off 6,145 hours
Mi-2	52 8002 013	EW-20804	Bellesavia		24sep18	offered for sale with a t/t off 5,307 hours
Mi-2	54 8012 013	"07" white	Belarus Air Force		24sep18	offered for sale with
Mi-2	54 8034 023	"23" white	Belarus Air Force		24sep18	offered for sale with
Mi-2	54 8606 034	EW-20924(1)	MChS Belarusi		24sep18	offered for sale with a t/t off 9,353 hours
Mi-2	52 8639 044	EW-20939	Bellesavia		24sep18	offered for sale with a t/t off 4,352 hours
Mi-2	52 8640 044	EW-20940	Bellesavia		24sep18	offered for sale with a t/t off 3,926 hours
Mi-2	52 8741 064	EW-23369	Bellesavia		24sep18	offered for sale with a t/t off 6,326 hours
Mi-2	52 8812 074	RF-01074	ROSTO	Jrw	jun18	
Mi-2	52 9127 035	EW-23306	Bellesavia		24sep18	offered for sale with a t/t off 7,363 hours
Mi-2	52 9148 045	EW-23317	Bellesavia		24sep18	offered for sale with a t/t off 3,764 hours
Mi-2	52 9149 045	EW-23318	Bellesavia		24sep18	offered for sale with a t/t off 2,768 hours
Mi-2	5210446 127	EW-14161	Bellesavia		24sep18	offered for sale with a t/t off 8,123 hours
Mi-2	5210515 018	RA-23711	APK Vektor	presv.	nov18	im. A.I. Pokryshkina Aviation Cadet School at Monino
Mi-2	5210622 058	EW-14078	Bellesavia		24sep18	offered for sale with a t/t off 8,462 hours
Mi-4	10 03	CCCP-31460	AFL/Northern	w/o	26dec58	when made a forced landing on ice and sank
Mi-4	06 14	CCCP-L82	AFL/Far East	dbr	18nov55	on a forced landing in a forest 2 km from Kartun
Mi-4A	06 22	CCCP-31462	AFL/Kremenchug Fl. Sch.	w/o	21jan61	when a blade of the main rotor came off
Mi-4	10 22	CCCP-L74	AFL/Far East	dbr	18jun56	went out of control shortly after lift-off
Mi-4	07 25	CCCP-L95	AFL/West Siberia	dbr	21may56	on a forced landing in the taiga
Mi-4	02 27	CCCP-L68	AFL/West Siberia	dbr	05jul56	on a forced landing due to a manufacturing defect
Mi-4	06 35	CCCP-L0520	AFL/Kazakhstan	w/o	19feb57	crashed into a mountain in the area of Samarkand
Mi-4	08 47	CCCP-31525	AFL/Sasovo Flying School	dbr	20feb59	when a ball bearing of the tail rotor failed
Mi-4A	03 55	CCCP-31532	AFL/Vyborg ATU GA	trf	22jun76	struck off charge 16aug79 as worn out
Mi-4A	04 75	CCCP-31591	AFL/East Siberia	dbr	14mar61	collided at a height of 15 metres with a cable
Mi-4A	06 75	CCCP-31593	AFL/Kyrgyzstan	trf	01jan64	struck off charge 27dec78 as life-time expired
Mi-4A	10 75	CCCP-31597	AFL/Leningrad	trf	01jan73	struck off charge 26jun79 as life-time expired
Mi-4A	12 75	CCCP-31599	AFL/East Siberia	toc	04may59	struck off charge 27oct77 as life-time expired
Mi-4A	18 88	CCCP-66919	AFL/Uzbekistan	toc	08feb60	struck off charge 22sep78 as life-time expired
Mi-8T	81 56	RA-22697	UTair	OMS	04nov18	
Mi-8T	9 83 08444	UR-CNV	Kroonk	rgd	31oct18	ex YA-KMW

Mi-8T	9 86 25233	UR-AID	United Nations	EBB	04nov18	in full all-white UN c/s, UN code not reported
Mi-8T	9 91 50406	RA-25600	Barkol	w/o	08nov18	crashed into a forest near Bobylshchina
Mi-8MT	9 4918	RF-90323	Russian Air Force	Kub	27aug18	coded "308" yellow; c/n checked
Mi-8MTV-1	9 5715	RA-24014	United Nations	photo	2018	taken in Morocco; coded 'UNO-954'
Mi-171E	171E0078408 3609	YI-406	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137364U	YI-423	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137435U	YI-426	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137470U	YI-432	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137473U	YI-435	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137478U	YI-440	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137479U	YI-441	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-171Sh	171S00368137480U	YI-442	Iraqi Army Aviation		02nov18	opb 16th Rotary Training Squadron at al-Taqaddum
Mi-8MSB-V	MSB8 360023	not known	Ukraine Army Aviation		24sep18	contract for the installation of an "Adros" infra-red sup- pression exhaust system signed
Mi-8MTV-5	---	RF-90398	Russian Air Force	Kub	23aug18	l/n Kubinka 26aug18
Mi-8AMTSh	---	RF-91188	Russian Air Force	Kub	24aug18	l/n Kubinka 26aug18
Mi-8T	---	"94" yellow	Russian Air Force	photo	03jul18	in Muzei boyevoi tekhniki at Sovyetsk
Mi-17-1V	---	DQ-07	Azerbaijani Mol	photo	jun18	based at Baku-Bilacari
Mi-17-1V	---	DQ-08	Azerbaijani Mol	photo	jun18	based at Baku-Bilacari
Mi-17-1V	---	20137	Azerbaijani Border Guards	photo	aug16	
Mi-171E	---	LH911736	Chinese Army	photo	oct18	ex LH937xx; opb the Xinjiang Brigade
Mi-171E	---	LH911756	Chinese Army	photo	oct18	ex LH937xx; opb the Xinjiang Brigade
Mi-171E	---	LH911796	Chinese Army	photo	oct18	ex LH937xx; opb the Xinjiang Brigade
Mi-17	---	LH953726	Chinese Army	photo	oct18	ex LH917xx; opb 161st Brigade
Mi-17V-5	---	LH961708	Chinese Army	photo	oct18	opb 78th Brigade
Mi-171E	---	LH972736	Chinese Army	KWL	09jun18	ex LH927xx; opb 77th Brigade
Mi-171	---	LH962736	Chinese Army	photo	nov18	opb 79th Brigade at Liaoyang
Mi-171	---	LH981710	Chinese Army	photo	nov18	ex LH967xx; opb 74th Brigade
Mi-17V-5	---	LH992719	Chinese Army	photo	oct18	opb 72nd Brigade
Mi-17-1V	229M02	ER-MYM	not known	rgd	2018	canx between 28sep18 and 09nov18
Mi-24V-MSB	3532422014168	not known	South Sudan Air Force	e/d	apr15	with t/t some 700 hours
Mi-24P	3532433318327	not known	unknown	Orh	11jul18	on overhaul at with Orshanski ARZ
Mi-24V	3532422319493	not known	Soviet Army Aviation	mfd	1983	mentioned in a document
Mi-26T	34001212461	no code	Belarus Air Force	Orh	11jul18	reflown after overhaul summer 2015, remained stored
Mi-26	34001212467	"52" white	Belarus Air Force	Mma	03jul14	hulk was flown Brestski training site; c/n known now
Mi-35	520 974	"01" white	Georgian Air Force	TBS	jul07	sold by Uzbekistan to Georgia in 2005; c/n known now
Mi-35	---	117 (1)	Afghan Air Force	MZR	1990s	opb General Dostum's private army
Mi-24P	---	"60" white	Uzbek Air Force	photo		damaged in a hard landing
Mi-24P	---	"65" white	Uzbek Air Force	photo	2016	in very dark olive drab c/s
Mi-24P	---	"73" white	Uzbek Air Force	photo	apr18	f/n as such Chirchik
Mi-28UB	---	"15" red	Russian Air Force	d/d	2017	line # 03-0.; with mast-mounted radar
Mi-28UB	---	RF-13662	Russian Air Force	Kts	2018	coded "15" red; with 'VKS Rossii' titles
Mi-28NE	---	SC-29	Algerian Air Force	photo	30oct18	based at Ain Oussera
W-3AS	31 02 05	EC-LMO	Hispanica de Aviacion	w/o	mid18	seen at a scrap dealer 01nov18 being demolished
RRJ-95LR	95 154	RA-89119	Severstal	no	reports	
RRJ-95B	95 159	RA-89117	Severstal		oct18	
RRJ-95	95 175	97017(5)	primer	ff	23oct18	see c/ns 95069, 95106, 95130 and 95167
Tu-154M	86A724	ex EP-MCP	National Fire Service	IFH	29sep18	converted to an aerial water bomber
Tu-154M	95A1010	EW-85815	Belarus Government		nov18	for sale nov18 by auction with a reserve of \$2m
Tu-204-100	1450743764043	RA-64043	Red Wings	DME	09oct18	withdrawn from service and seen stored MRV 22oct18
Tu-204-100	1450743864046	RA-64046	Red Wings	DME	29sep18	withdrawn from service and seen stored MRV oct18
Tu-204-100	1450744864049	RA-64049	Red Wings	ULY	18jan09	withdrawn from service and seen stored MRV 17nov18
Tu-204-100	1450741964050	RA-64050	Red Wings	AER	18aug18	withdrawn from service 22aug18
Yak-12	---	CCCP-L834	Aeroflot	photo		in dark (probably dark green) c/s
Yak-12	---	CCCP-L4297	Aeroflot	photo		in dark green c/s
Yak-12M	---	CCCP-21037	Aeroflot	photo		in dark (probably dark green) c/s, with titles
Yak-12M	---	CCCP-56450	Aeroflot	photo		black and white photo with cheatline and titles, on skis
Yak-12A	---	CCCP-72699	Aeroflot	photo		black and white photo with cheatline and titles
Yak-18A	---	CCCP-82857	Aeroflot	photo		in all-dark green c/s, also with "57" on the fin
Yak-12A	---	CCCP-90682	Aeroflot	photo		black and white photo, badge on the fin
Yak-40	9 42 16 34	RA-88296	SeverStal		18aug18	seen preserved in good condition in Yugorsk; no titles
Yak-42D	11 14 02 05	RA-42550	Saravia	RTW	oct18	scrapped
Yak-42D	45204241 16 669	RA-42445	Sirius Aero	VKO	30sep18	very small titles; named 'The Pearl'
Yak-42D	45204227 08 018	RA-42451	KrasAvia	KGP	09nov18	no titles; Gazprom tail logo and NK titles still visible
ARJ21-700	113	B-602A	Chengdu Airlines	h/o	15oct18	and ferried from NTG to CTU the same day
ARJ21-700	115	B-001Z	Urumqi Air	ZUH	04nov18	l/n ZUH 06nov18
ARJ21-700	116	B-001R	Genghis Khan Airlines	photo	03sep18	painted up 03sep18; l/n ZUH 06nov18
CJ6	---	70841	Chinese Air Force	photo	18oct18	coded '81'; preserved in the Military Museum Beijing
H6K	02486	11291	Chinese Air Force	ZUH	05nov18	
Y5	---	80401	Chinese Air Force	photo	18oct18	in olive drab c/s; presv in the Military Museum Beijing
Y12D	122	6219	Chinese Air Force	ZUH	04nov18	l/n ZUH 06nov18
Y12F	---	B-0AHS	AVIC	WUH	28oct18	

PH register

Newly registered aircraft:
PH-CDA Lindstrand LBL-160A

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05oct18 Ex PH-CDA.

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PH-4R6	Aerospool Dynamic WT9	DY654/2018	30oct18
PH-4S2	TL TL-3000 Sirius	18-SI-172	22oct18

Change of ownership:

PH-AKJ	Cessna 177RG	177RG-1019	03927	10oct18
PH-ANP	Diamond-C DA20-A1	10272	07119	03oct18
PH-CDS	Cessna 152	152-79972	04971	31oct18
PH-ELB	Dyn'Aéro S MCR Club	364	07167	17oct18
PH-ESB	SOCATA TB-10	2117	06317	19oct18
PH-GZC	Bellanca 8GCBC	344-80	05302	15oct18
PH-HLM	Piper PA-34-200T	34-7770393	02645	01oct18
PH-JVB	Cessna 152	152-80786	04984	31oct18
PH-PGU	Lindstrand LBL-105A	774	07727	12oct18
PH-SHP	Agusta AW139	31099	07116	19oct18
PH-SKG	Cessna 152	152-85168	04070	31oct18
PH-YAK	Aerostar Yak-52	877401	08054	23oct18
PH-3A1	Air-Light Wild Thing	011	20627	12oct18
PH-8E9	Eurobyl Silent Twin	FLST 663624	08011	31oct18
PH-9G7	Fresh Breeze Snap 120	199	20836	03oct18
PH-966	Schleicher K-7	7190	04538	31oct18
PH-1113	Schleicher ASW-24	24079	05455	24oct18
PH-1599	PZL-Bielsko SZD-48-1	W-895		05oct18

Cancelled from register:

PH-EMK	Cessna 172R	17281163	06945	17oct18	To Slovenia.
PH-GGN	Cameron N-133	4976	06034	31oct18	Wfu.
PH-GGX	Boeing 737-8EH	36596		15oct18	To PR-GGX.
PH-HEI	Dyn'Aéro MCR Club	PFA301-14704		09oct18	Wfu. Damaged in accident, Germany. Offered for sale.
PH-LUU	Cessna F172L	F17200861	02222	03oct18	To Poland.
PH-POJ	CZAW SportCruiser	06SC017	08172	10oct18	More than one year without valid CofA.
PH-3T7	Tecnam P92 Echo	773	20658	17oct18	To Germany.
PH-8H4	Fresh Breeze XCitor	287	07842	10oct18	Sold abroad.
PH-9U6	Parasport Fun-Alu 125	AT12092004	20714	31oct18	Wfu.
PH-1123	Rolladen-Schneider LS-8A	8179	05560	12oct18	To Lithuania.
PH-1174	Rolladen-Schneider LS-4B	4892	05723	12oct18	To Belgium.
PH-1408	DG-1000T	10-115T36	07190	31oct18	To Germany.
PH-1409	Schempp-Hirth Ventus cT	94	07179	01oct18	To Germany.

Reservation:

PH-LPJ	Just JA30 Superstol XL			Under construction.
PH-MES	CASA 1.131E Jungmann	2012		Ex N131EB, E3B-478.
PH-MNX	Van's RV-7			

Additions, corrections and news:

PH-BEW	Piper PA-25-235	25-5396		Ex OO-PAW, N9832L.
PH-GII	Glasair II RG	1116		Ex PH-GII, HB-YFK.
PH-GOV	Boeing 737-700	64970		Ex N513BJ, N5002K.
PH-HXM	Boeing 737-800	62165		Ex N1787B.
PH-LVH	Cessna F172M	F17201017		Ex HA-SVS, D-EJXD.
PH-SRD	SOCATA TB-9	1320		Ex D-EVEN.
PH-WLG	Van's RV-4	3307		Ex N212CS, N9X.

Credits: Inspectie Leefomgeving en Transport, airnieuws.nl.



The KLM Flight Academy took delivery of a new trainer aircraft for their students, this Diamond DA42 PH-KFA. It was welcomed at Groningen by a traditional water salute and will replace the ageing fleet of Beech Barons they operate at the moment. It is more fuel efficient and less noisy than the Baron, something bystanders have been complaining about. Its modern cockpit also makes it ideal for the transition to KLM/KLM Cityhopper, the end stage for all KFA (KLM Flight Academy) students. (Groningen-Eelde, 17 October 2018, Jaap Niemeijer)

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Warbirds



The warbird event of the year for our Belgian friends, was the first flight of Hawker Hurricane KZ321 as OO-HUR on 4 November. The fighter is a welcome addition to the warbird scene in the lowlands. And mind you, FAST Aero at Brasschaat even has a second Hurricane under restoration. This machine, AM274, arrived at FAST Aero in September last year. (Brasschaat, 4 November 2018, Eddy Campers)

Netherlands

An early announcement came from the organisation of the Oostwold Airshow. The already 10th edition of the biggest Dutch Warbird Airshow will take place during the Pentecost weekend, on 9 and 10 June 2019. Some participants have already been disclosed, such as several P-51 Mustangs and Spitfires and a Hawker Hurricane Mk.I. Two big round engine fighters will also be present: Republic P-47D Thunderbolt G-THUN, and another Hawker, Sea Fury T20 G-CHFP. There is even the promise of a German WW II fighter. Oostwold may not be exactly in the centre of the Netherlands, but it sure is worth the trip. Ticket sales start on 1 January.

Argentina

Warbird restoration is (fortunately) not restricted to Europe and North America. At the Aerodromo de General Rodriguez, west of Buenos Aires, the 'Proyecto B25' volunteers are restoring North American TB-25N 44-31173. The Mitchell was originally built as a B-25J bomber, but later converted into a trainer. Flying as LV-GXH, the aircraft was grounded when caught on a drug running trip. Its restoration, which was taken up in 2011, has seen great progress. Both overhauled engines were re-fitted in September. The Mitchell will eventually fly in USAAF colours, named 'Huaria Bajo', with large 'Betty Boop' nose art.

Belgium

On 4 November new Belgian Hawker Hurricane KZ321 took off from Brasschaat airfield for its first of two successful flights from Belgian soil. Frederic Vormezele made the first flight, his brother Bernard the second. The fighter, registered as OO-HUR, was prepared for flight in the hangars of FAST Aero. KZ321 had returned to Europe last year. It was restored to airworthiness by the British Fighter Collection at Duxford between 1995 and 2000. After a career in the UK, the Hurricane was sold to Vintage Wings of Canada where she flew as CF-TPM. VWC on their turn decided to sell the Hurricane in 2014. Happy landings OO-HUR!

France

Natura Veritas of Biscarosse-Parentis have registered their Fieseler as F-AYFI (617/31), on 12 November. This aircraft was built in France as a, Salmson radial engine powered, Morane

Saulnier MS505 Criquet. It flew in the French Air Force as 617, until it was sold on the civilian market. It was registered as F-BJHV in August 1960, and, like many aircraft of its type, used for glider towing, somewhere in France. After a rebuild by Moto Bende during which the Criquet was turned into a Fi-156C7 Storch, it made its first flight from Bonn-Hangelar as D-EXUB in June 2013. During this conversion the Salmson radial engine was replaced by an Argus in-line engine. It was finished in the colours of the German 'Legion Condor' in the Spanish Air Force with code 46-7.

Germany

Meier Motors have recently completed the overhaul of Piper L-4A N40779 (10573). The Cub arrived in Bremgarten early this summer. It is a WWII veteran as it was built in Lockhaven (PA) in August 1943. N40779 is finished in USAAF colours with serial 43-29282. Although registered in the USA on the name of Aerospace Trust Management LLC of Wilmington (DE) the Piper is a German resident.

New Zealand

At Avspecs in Ardmore, the restoration of De Havilland Mosquito FB.VI PZ474 'L' has reached the next step. On 16 November the fighter-bomber version of the Mossie, registered ZK-BCV, moved under its own power for the first time since the restoration began. Fully authentic the iconic plane is equipped with air to ground rockets and finished in the livery it carried during D-day with invasion striping. PZ474 is owned by Texan Rod Lewis.

Sweden

The Royal Swedish Air Force Historic Flight SAAB J-32 Lansett SE-RMD (32-542) has flown again after almost one year of inactivity. It was one of the stars of the Ostrava NATO Days 2018 on 15 and 16 September.

United Kingdom

The Biggin Hill Heritage Hangar Ltd. celebrated the first flight of G-CIPB, its rare Messerschmitt Bf109E-4 with code 14 Wh on 6 November. The fighter was built by the Arado Flugzeugwerke GmbH in 1939. This 'Emil' was registered in the UK in February 2015, having arrived from Canada. The aircraft is a Battle of Britain veteran. It was restored to flying condi-

tion in Colchester UK and then shipped to the USA. It flew as N81562 for the Museum of Flying in Santa Monica (CA) from 1999 to 2003. It was then acquired by the Ed Russell Aviation Group of Niagara Falls, flying as CF-EML until its sale to the UK in 2014.

Under the project name 'Navy Wessex', Andrew Whitehouse and his team from Crewkerne, Somerset, aims at bringing Westland Wessex HU.5 XT761 (WA483) back in the air. They announced that the first step has been made: the successful test run of the port Roll-Royce Gnome Mk.110 engine. The 1967 built veteran was registered as G-WSEX on 19 March 2018. Navy Wessex is affiliated with Navy Wings, the umbrella organisation which has taken on the old RNHF aircraft. Whitehouse has interesting ideas: the long term plan is to have a Wessex (RN SAR colours) and a Sea King (RAF SAR colours) airworthy to accompany the world's only airworthy Westland Whirlwind (Whirlwind HAR.10 XJ729 G-BVGE (WA100). For this purpose, he has acquired a second Wessex, XT771 and two Sea Kings. One of these is Sea King HU.5 XV666 'Damien', which is currently still used for crew training of German military personnel. This helo is the most likely candidate to remain in airworthy condition.

Unfortunately it will be restored for static display only: the Seafire project which is undertaken by the Milestones Museum of Basingstoke. They will complete a Seafire out of the fuselage of Seafire F46 LA564 (G-FRSX) and the wings of Seafire Mk.XVII SX300 (G-RIPH). The wings of the latter come from Kennet Aviation of North Weald. The Milestones Museum has received both fuselage and wings on loan from their respective owners.

United States

The Flying Heritage & Combat Armor Museum of Everett (WA) has unveiled its most recent restoration project on 10 November: a Junkers Ju-87R-4 Stuka. The dive-bomber is a composite of two airframes that were recovered from a tundra in the vicinity of Murmansk, in the arctic part of Russia. At least one of the composing aircraft is known. This is Werk Nr 0875709,



Nowadays these jet fighters can peacefully take off together, but during the Korean War, the North American Sabre and the MiG-15bis were opponents. The MiG (NX87CN) is seen in North Korean Air Force colours, while the F-86F (NX186AM) carries USAF colours of '51-2834' while it really is 52-5012. Both jets are owned by the Planes of Fame Museum of Chino (CA). They were caught by Dennis Deis at March Field already on 8 April 2018.

a Ju-87R-2 flown by 1./St.G.5 with code "LI+KU". This Stuka, which was recovered from Russia in 1996, was acquired by Flying Heritage in 2004. Until this moment, the restoration was undertaken in secrecy, but can now be closely followed by the public. The next phase, returning the Ju-87 back into the air, is expected to take at least two years.

It took its owners more than seventeen years to complete the ground up restoration of N24FM, a Fairchild UC-61K with serial 43-14964 (928). The aircraft made its first flight on 18 September, for the first time in over 50 years. RAF HB690 took to the skies. It was built in 1943 by the Fairchild Aircraft Company, Hagerstown (MD) for the US Army Air Force but was soon Lend Leased and shipped to England to serve in the RAF's Air Transport Auxiliary as an Argus III until war's end. After being sold as surplus, the plane flew in Holland as PH-NDI until the early 1960's. The Argus then made its way back to the States and passed through the hands of several owners before it was found in a barn by the present owners, Bob Coon and Jim Chybicki in 2001. Working mostly on weekends and holidays they have done a wonderful job in bringing this Fairchild back in the skies, in the colours it so proudly carried while flying in the RAF as HB690.

The National Museum of WW II Aviation in Colorado Springs (CO) has embraced a new restoration project. In the coming years Republic P-47D Thunderbolt 42-8089 will be restored to airworthy condition. The fighter is a so-called 'Razorback' version of the P-47. It was recovered from Papua New Guinea, where it served the USAAF 489th Fighter Group.

Credits: Flypast, FP Forum, Walter van Brempt, WIX.

Dustpan & Brush



A striking and appropriate opening picture for the Dustpan & Brush! Boeing 747-412F (making this a former Singapore Airlines Cargo aircraft, ex 9V-SFF) N908AR of Sky Lease Cargo was on approach to Halifax- Stanfield International Airport's runway 14, when it overran the runway due to changing wind conditions. You can read part of the transcript between the tower and crew in this section. Marc Geuzinge took this picture on the day of the incident, 7 November 2018.

Additions & Corrections:

12nov17 Mi-171E w/o

We previously reported this as serial (YI-)406 but that was seen active with 16sq in October 2018 (with its construction number confirmed). So we are back to square one regarding the serial.

See Scramble 463.

20jan18 17-03142 AH-64E **MN142** w/o

See Scramble 465.

15mar18 92-26466 HH-60G **70-1891** w/o

See Scramble 467.

16oct18 786404 AS550C3 **4431** dam

See Scramble 474.

20oct18 ANX-2224 Mi-17V-5 w/o

See Scramble 474.

New Accidents:

19sep18 YU-BRK An-2R **1G230-18** dam

An Antonov 2 of STS Aviatsija sustained damage after a forced landing in a field near Jagodina. The cause was an engine failure which resulted in oil on the windshield, flames under the shroud before the wing impacted a tree. At the time it was on a mosquito spraying flight. The flight to the spray zone lasted about fifty minutes and during that time the crew did not notice any problems. Around 17:40, when it was preparing for the first run, they noticed the first problems with the engine. It began to shake at normal power for a horizontal flight, with all engine instruments showing normal parameters. Soon, white smoke came from underneath the engine's cowling. After ten to fifteen seconds, the engine oil started to come out under the bonnet and spill over the flight deck windows. Considering the crew could not safely reach the nearest airport, they decided to make a forced landing in a nearby field. During the preparation for the landing the engine oil completely covered the cockpit, and flames began to emerge from the engines. The crew partially lost visual

contact with the ground and had no open view through the windows, but still continued the landing. At an altitude of 20-25 metres, just before touching the ground, the plane hit trees with the left wing, swept, and during the left rotation struck the ground, and soon stopped in the field. After the forced landing the crew secured the aircraft and left it for the authorities to deal with it. The Antonov suffered substantial damage, the crew of three was fine.

12oct18 FA129 F-16AM **6H-129** dam

This [Belgian Air Force](#) Viper of 2 Wing is one of the two victims that was damaged after colleague FA128 was destroyed at Florennes. It received several bullet hits on the vertical tail and through the engine.

24oct18 YV2683 Be58 **TH-540** dam

Most likely another drug transport victim is this Beech Baron, which was found damaged and abandoned in Estado Portuguesa, Parroquia El Playón, Finca, Venezuela.

25oct18 Be90 w/o

An unknown Beech King Air was found near Pueblo Nuevo ferry in Progreso, Belize, totally destroyed by fire after it was used for transporting drugs.

25oct18 N555PM PA-31T **31T-7620028** w/o

The [Bulldog Flying Club](#) Piper Cheyenne was missing over the Atlantic Ocean, about 110 miles east of Charleston (SC). Search operations were conducted east of Charleston Air Force Base, and the SAR operations were suspended three days later, on 28 October. All occupants are deemed to have died in the crash. It had taken off from Robert F. Swinnie Airport in Andrews (SC) with destination Governors Harbour, Bahamas.

27oct18 G-VSKP AW169 **69018** w/o

Leicester City's owner Vichai Srivaddhanaprabha was inside the [Foxborough](#) Leonardo AW169, after the evening's game against West Ham United (which ended in a 1-1 draw), when it left Leicester's King Power Stadium. Shortly after lift-off from the pitch it impacted a car park just outside the

stadium, killing all five onboard. The chopper had climbed to 200ft before transitioning forward when it reportedly yawed and lost height. The helicopter came to rest on its left hand side and a post impact fire occurred. This is the first loss of an AW169. Aside from Leicester, Vichai owned the VR polo club in Bangkok (he was a keen polo player) and dozens of racehorses in Britain. In 2017 he bought his second football club, OH Leuven in Belgium.

28oct18 N5224J Ce340A **340A1035** dam

Prayers did not help today, as the Gospel Ministries International Cessna 340 made an emergency landing in a field near Santa Cruz de la Sierra, Santa Cruz Department, Bolivia, after a technical malfunction. The pilots were not injured but the Cessna sustained substantial damage.

29oct18 PK-LQP B737-8 **43000** w/o

The first Boeing 737 MAX crash is a fact...

Barely three months old, this Lion Air Boeing, operating flight JT610 from Jakarta-Soekarno-Hatta International Airport to Pangkal Pinang Airport, crashed shortly after departure into the Java Sea, north off Jakarta, killing all 189 persons onboard (178 passengers, two babies and one infant, plus eight crew members).

The Boeing took off from runway 25L at Soekarno-Hatta Airport at 06:21 hours local time. Weather was fine with light winds, scattered clouds at 2,000ft and a visibility of 8,000 metres. ADS-B data of the flight, captured by FlightRadar24 and Flightaware, show erratic values. It made a climbing left hand turn after take-off. Shortly after passing the ADS-B reported altitude of 2,100ft data points briefly show a lower altitude of around 1,475ft. Altitude data sent via ADS-B continue to show an erratic pattern, varying roughly between 4,500 and 5,350ft, the values then rapidly decline until contact is lost at 06:32 hours. Rescue services were on their way to the suspected crash site and after arrival at the crash site they located oil slicks as well as debris from the aircraft, including mobile phones and body parts. Later on six bodies were recovered.

The previous flight of the accident aircraft, JT043 from Denpasar, showed similar erratic values in altitude and airspeed

after take-off. After eight minutes the values stabilised. An unverified tech log item for that flight, sent to ASN, remarks "Airspeed unreliable and alt disagree shown after take-off.[...] Identified that CAPT instrument was unreliable and handover control to FO." While this particular purported tech log note is unconfirmed, Lion Air did confirm that the aircraft had a "technical problem" on the previous flight, "which had been resolved according to procedure," according to the airline. The National Search and Rescue Agency Republic of Indonesia (Indonesian: Badan Nasional Pencarian dan Pertolongan, formerly named Badan SAR Nasional, both abbreviated Basarnas) is in charge of the rescue operation and reported there were attempts to dive to the aircraft in the waters about 30-35 metres deep. First debris was collected from the water surface including mobile phones and body parts. The crash site is located less than two miles from the last known radar position. No ELT (Emergency Locator Transmitter) signal was received.

Indonesia's KNKT (Komite Nasional Keselamatan Transportasi, or National Transportation Safety Committee) reported the crew requested to return to Jakarta shortly after take-off, when the aircraft climbed through 2,000-3,000ft about three minutes after departure. The request was granted by ATC. The KNKT is still looking into the causes of the request to return. The black boxes (containing the FDR and CVR) are at an estimated depth of thirty metres, attempts to reach and recover the black boxes are underway.

In the evening of 30 October Basarnas reported a total of 34 ships and 837 personnel are engaged in the search for the fuselage and black boxes, which has been expanded to cover 400 square nautical miles. 26 body bags have been taken to the command post, 24 are already on their way to hospital for identification.

Here is a video showing the flight details: www.youtube.com/watch?v=7gcBkStIZFk

4 November Basarnas reported the second weak ping signal (of the second black box, containing the CVR or Cockpit Voice Recorder) had been successfully re-detected, the source appeared to be buried in mud below about one metre of air-



Il-18Grm 54006 of NPP Mir suffered a runway excursion after landing at Naryan-Mar Airport, Russia, after a flight that started in Syktyvkar Airport. The aircraft came to rest in the snow, past the runway end. The propeller blades suffered damage during the overrun, the cause of which is to be determined. (Credit info Alex Snow)



This privately owned North American P-51D Mustang crashed into the parking lot at the Friendship Place Apartments on South Creek Street, east-northeast of Gillespie County Airport (TX), killing the pilot and his passenger. It was flying as "Pecos Bill" with registration NL4132A (former serial number 44-74445/ME-G). Pecos Bill is seen here by David Alders on 27 July 2017 when it visited Oshkosh (WI).

craft debris and about fifty metres off the centre of the main search area. The box itself had not yet been found. 104 body bags had been taken to the command post so far.

Four days later, on 8 November, Basarnas reported the search for the CVR is still ongoing with the remotely operated underwater vehicle (ROV), scan side sonar, ping locator and multi beam echo sounders deployed. Basarnas wrote: "As explained earlier, the ping locator could detect the black box's signal, but it was weak. The signal source is difficult to ascertain its position considering the sea floor is mud with a depth of more than one metre."

Another two days later, 10 November, Basarnas announced that the search for bodies had ended, the search had been downgraded to monitoring. 196 body bags were taken to the command post and further to the hospital for identification, 77 victims have been identified so far. The search for the CVR continues and is described as critical to understand the events onboard of the flight. The KNKT indicates they currently understand about 70-80% of what happened, the CVR would help to understand 100%.

There was an unexpected twist in this tragedy as Boeing failed to warn the airline industry about a potentially dangerous feature in its new flight-control system that is suspected to have played a role in this fatal crash. That flight-control feature is the automated stall-prevention system found on Boeing 737 MAX 8 and MAX 9 models, which is intended to help pilots avoid raising a plane's nose too high. The potential fault in the system is that it can push the plane's nose down "unexpectedly and so strongly" that pilots can't pull it back up even when flying manually. Boeing has already been taken to court by one of the victims' relatives...

29oct18 XC-LKX AW119 **14722** dam

The Koala of the Guerrero State Government collided with Cessna 172 Skyhawk II XB-NMC at Toluca International Airport, with both aircraft receiving substantial damage. Luckily nobody got injured.

30oct18 N372CA AS355F2 **5028** w/o

Two of the four occupants of the Catalyst Aviation Écureuil died when it crashed during a flight, preparing to install a fibre optic cable alongside power lines, in Clinton County, East Beekmantown (NY), about twenty miles south of the Canadian border near Lake Champlain. News photos show debris caught in power lines and the power lines on fire. The chopper was consumed by a post-crash fire. The two injured employees worked for Northline Utilities, a contractor that inspects and maintains power lines.

30oct18 N910S AS350B3 **7446** w/o

Unfortunately the pilot, and sole occupant, of the Enbridge Energy AStar was killed after the helicopter crashed at night on the Bad River Indian Reservation, along the shores of Lake Superior, seven miles east of Odanah, Ashland County (WI).

31oct18 PR-MHP A320-214 **3266** dam

LATAM Airlines Brazil's Airbus departed São Paulo-Guarulhos Airport as flight JJ8050 with destination Santiago, Chile, at 04:49 UTC or 01:49 hours local time. The flight was enroute at FL320 (32,000ft) when it was deviating around severe weather on a southerly heading and then turned south-west again (changing also flight levels from FL320 to FL340 and down to FL300). It encountered turbulence and hail, causing both windshields to crack and a damaged nose cone. It descended further down to FL240 and the flight crew then decided to divert to Buenos Aires, where a safe landing was carried out at 04:52 hours local, on runway 11. While there were no injuries, the aircraft was substantially damaged.

31oct18 Mi-17 w/o

There are reports of a helicopter crash in Afghanistan, possibly a Mi-17 of the Afghan National Army. The helicopter was carrying around 25 persons whom apparently all perished in the mishap. The helicopter crashed in bad weather shortly after take-off, coming down in between Shindand district and Anar Dara district. Pro-Taliban sources claim that the helicopter was shot down.

03nov18 PP-MTX A109E **11120** w/o

All three occupants of the Filipinas Empreendimentos Imobiliários Agusta Power were killed when the chopper crashed on a road in a forested rural area of Mogi das Cruzes, Quatinga district, in Greater São Paulo, Brazil. During the accident weather was not very good.

03nov18 MiG-29M w/o

A MiG-29M of the Egypt Air Force crashed during a training flight with the pilot ejecting safely. It was reported that "a technical glitch in the flight controls" resulted in the loss of the recently delivered new MiG-29. The Russian State-controlled United Aircraft Corporation (UAC) will assist in the investigation into the cause of the crash. The M-version is a modern variant of the basic MiG-29 Fulcrum with a fly-by-wire flight control system as well as a fully authority digital engine control system (FADEC). The engines are more powerful, a modern radar and the cockpit is filled with updated avionics including Multi-Function Displays.

04nov18 N417WT Bell 206B-3 **4591** dam
 A Bell JetRanger of W. T. Byler Co. was destroyed when it crashed on high ground in the Chalk Bluff Park area, about fifteen miles north-west of Uvalde (TX) a few minutes after taking off from a local ranch. The pilot and his two passengers died in the crash. The accident happened in darkness but in good weather conditions, however, there was no moon and the area where the accident happened is rural with few or any ground lights, except for the departure point which was brightly lit. The helicopter was being used to take a newly married couple from their wedding reception to San Antonio Airport where they were due to catch a flight on the way to their honeymoon.

04nov18 YV1863 PA-34-200T **34-7870427** dam
 The privately owned Piper Seneca II suffered a runway excursion after landing at Contadora-Raúl Arias Espinosa Airport, Contadora Island, Panama. It went through a fence and came to rest on a road. One occupant onboard the aircraft received minor injuries.

07nov18 N908AR B747-412F **28026** w/o
 A Sky Lease Cargo Boeing 747-400F was substantially damaged when it overran the end of runway 14 on landing at Halifax-Stanfield International Airport (N.S.) After leaving the runway the aircraft continued across the grass and through the localiser antenna, before eventually coming to rest on its belly, some 200m beyond the end of the runway. During the overrun two of the aircraft's engines were torn off or heavily damaged and the fuselage appears to have broken aft of the wing. There were no reported serious injuries to the four man crew. The accident happened in darkness and poor weather conditions. The Queen of the Skies was operating cargo flight KKE4854 from Chicago-O'Hare International Airport (IL). Damage consisted of all gear collapsed, engines #2 and #3 separated, engines #1 and #4 damaged and creases in the fuselage skin.

According to communication with Halifax tower the aircraft was on an ILS approach to runway 14, tower reported the winds from 260 degrees at 14 knots on initial contact. Ninety seconds later tower reported the winds were now from 260 degrees at 16 knots gusting 21 knots and queried whether runway 14 was still acceptable, which the crew confirmed, after which tower cleared the aircraft to land. A short time prior to touchdown tower reported winds from 250 degrees at 15 gusting 21 knots. Five minutes after initial contact the crew reported they had gone off the runway and needed full emergency support, and ATC activated the crash alert. They advised responding rescue vehicles the aircraft was at the threshold runway 32.

This is part of the conversation between GG/KKE4854 and Halifax tower:

GG 4854: „Halifax Tower, ay.. good evening SkyCube 4854 heavy, for the ILS 14.“

Tower: „SkyCube 4854 heavy, Halifax Tower Good evening runway 14, wind 260 at 15 (knots), altimeter 2967 information Tango, number one.“

GG 4854: „Roger that, we have it.“

Tower: „SkyCube 4854, tailwind now 280 at 16 confirm gusting 21, confirm runway 14 still acceptable?“

GG 4854: „Confirm..ah, still for 14.“

Tower: „SkyCube 4854 heavy, tower roger, wind 260 at 16 gusting 21 cleared to land on 14.“

GG 4854: „Cleared to land..ah.. affir..clear to land on 14, SkyCube 4854 heavy“

Tower: „Roger.“

Tower: „SkyCube 4854 do you read?“

GG 4854: „Halifax Tower, SkyCube 5854 is off the runway. Requesting full emergency assistance.“

Tower: „SkyCube 4854 Roger, emergency has been activated.“

08nov18 RA-84674 An-2R **1G191-52** w/o
 This Antonov An-2R of 2nd Arkhangelsk AE crash landed fifty kilometres north-east of Arkhangelsk-Talaghy Airport (northern Dvina) with thirteen people onboard. The bi-plane was on a commuter flight to Mezen when it was forced to land in the forest because of in-flight icing. All thirteen people escaped the incident without serious injuries. The robust built Antonov 2 probably saved their lives, but the aircraft itself is a write off. The same aircraft was damaged on 24 January 2013 while on a flight from Chizha to Nes when the right ski gear hit a mound on take-off in bad visibility and collapsed on landing at Nes.

08nov18 RA-25600 Mi-8T **99150406** w/o
 The Mi-8T of Bankol crashed in the Bobylshchyna, Zharkovsky District, Tver region of Russia, killing one of the four people onboard. It was the captain who did not survive the impact and two others suffered serious injuries. At the time the chopper was on a pipeline inspection flight when things went wrong.

09nov18 4180 C-130E **4180** w/o
 Around 14:00 hrs local time, a C-130 Hercules of the Pakistan Fiza'ya (Pakistan Air Force) burst its tyres during a take-off run while executing touch-and-go's from Chaklala-Nur Khan, Rawalpindi. The Hercules ran off the runway, hit a wall and caught fire. All crew members escaped the wreckage without injuries.

09nov18 N524AT B757-23N **30233** w/o
Fly Jamaica Airways flight OJ256, from Georgetown Cheddi Jagan International Airport, Guyana, to Toronto-Pearson International Airport (Ont.), returned to Georgetown due to some hydraulic problems several minutes after take-off. It stopped the climb at 20,000ft before returning back. After landing on runway 06, the aircraft overran the end of the runway and through the airport perimeter fence. It is reported that 120 passengers (118 adults and two infants) and eight crew were onboard, of which six people were injured but in stable condition. The right-hand main landing gear had broken off, and the no.2 (right hand) engine pivoted forward and upwards.

On 18 November the Aviation Herald was able to verify that the runway had already been lengthened by approximately 390-400 metres, the runway markings were already completed, the extension is still marked closed with crosses. However, none of the official documents in the AIP or NOTAMs (NOTice To AirMen) released by Guyana's Civil Aviation Authority makes any reference to the runway extension although crucial to make pilots aware of the possible confusion of thresholds.



09nov18 N5044J Ce310R **310R0164** w/o
 The KBUF Air Cessna 310 impacted wooded terrain in Delaware County, Tompkins (NY). The Cessna was partially consumed by the subsequent fire and the sole pilot onboard received fatal injuries. Weather may have been a factor in the incident.



Pakistan Air Force Hercules 4180 burst its tyres during a take-off run while executing touch-and-go's from Chaklala-Nur Khan, Rawalpindi. The Hercules ran off the runway, hit a wall and caught fire and was subsequently written off. All crew members escaped the wreckage without injuries. Marco van Halum saw the C-130E at the Dubai Air Show back on 18 November 2009.

11nov18 P4-KCJ ERJ190LR 19000653 nil

Not a crash this time, but it was close!

Air Astana Embraer 190, operating flight KC1388 from Alverca, Portugal back to Minsk, Belarus and further on to Almaty, Kazakhstan with three crew members and three engineers, was in the initial climb out and in adverse weather conditions when the crew felt the aircraft did not adequately respond to control inputs and the autopilot could not be engaged. The aircraft developed oscillatory wing movements despite the crew using the controls in all three aircraft axis to counter and minimize the oscillations, which generated high G-loads. The crew declared emergency and considered ditching the aircraft in the Atlantic Ocean due to the lack of control while continuing to struggle with the aircraft, with none of the aircraft systems issuing any indication of malfunctions, only alerts for abnormal flight attitudes occurred. The crew lost control completely several times but were able to regain control to some extent. In discussion between the three pilots as well as the three technicians the crew decided to disable the flight control module (FCM, where the flight control module is removed from the flight surfaces command chain, which are then controlled in a direct relationship with the pilots' inputs on the yoke) and put the flight controls into direct mode. Thereafter the situation improved considerably, however, without restoring normal operation as difficulties to control the aircraft's roll axis (ailerons, bank angle) remained.

The crew realised the ailerons were behaving erratically and reduced roll control to an absolute minimum. After the crew was able to maintain heading and altitude the crew decided to look for an airport in good weather, a plan was developed with ATC to land at Beja, Portugal. A pair of Força Aérea Portuguesa F-16 Fighting Falcons was scrambled to guide the aircraft to Beja. A landing was intended on Beja's runway 19R but the aircraft needed to go around twice due to unbalanced approaches. It approached runway 19R a third time and touched down on runway 19L due to being unable to correct the drift. Two occupants were taken to a hospital and everybody was physically and emotionally shaken.

Portugal's GPIAA (Gabinete de Prevenção e Investigação de Acidentes com Aeronaves e Acidentes Ferroviários or Aviation Accidents Prevention and Investigation Department) rated the occurrence a serious incident and reported three days later, on 14 November: "All on board were physically and emotionally shaken, one of the passengers sustaining a leg injury." The aircraft had undergone maintenance in

Alverca and was on its first flight after maintenance.

The aircraft was still at Beja on 14 November, undergoing close examination into the cause of all of this. It appears that during maintenance a pair of pins that were wrongly wired inside a so-called cannon plug caused an aileron reversal.

This is video footage of one of the F-16s with the Embraer landing at Beja: www.youtube.com/watch?v=98z41SwaVOQ

Actual ATC communications:

www.youtube.com/watch?v=klc8Rr-cKd8&t=228s (part 1)

www.youtube.com/watch?v=evYLkxhoP3U (part 2)

12nov18 N840JC RC690C 11676 w/o

The C&C Flying Jetprop 840 was written off after a forced landing on the coast of the Atlantic Ocean, onto the beach short of the approach end of runway 36 at Myrtle Beach International Airport (SC). The sole pilot onboard the airplane was seriously injured. The following day it washed ashore near Springmead pier. See myrtlebeachonline.com/latest-news/article221553515.html

12nov18 166888/NF-111 F/A-18F F218 w/o

A US Navy F/A-18F Super Hornet crashed into the sea north-east of the Philippines, 290 kilometres of Naha, Japan. Both aviators ejected safely and were picked up in good condition by a helicopter. The Super Hornet of Strike Fighter Squadron VFA-102 Diamondbacks and assigned to Carrier Air Wing Five experienced mechanical problems during a flight over the Philippines Sea while conducting routine operations from the USS Ronald Reagan (CVN-76). The aircraft carrier was just returning from "Keen Sword", a joint exercise with Japan and Canada that ran from 29 October to 8 November, in waters around Japan and near Guam in the Pacific.

13nov18 T-38C w/o

A T-38C Talon of USAF's 47th FTW crashed at night in Val Verde County, Laughlin AFB (TX), killing one pilot and sending another to a local hospital. Exactly why the Talon crashed is unclear.

13nov18 C-GMLS Ce340A 340A0771 dam

The private Cessna 340A RAM Series VII (basically a modified Cessna 340) crash-landed in a field and then skidded several hundred metres before ending in a small copse of trees on the west side of Range Road 250, Clive, east of Ponoka Industrial-Labrie Field Airport (Alb.). The airplane sustained substantial damage upon impact with adjacent trees as the tail was ripped off when it hit them. It ended facing the other direction where damage was done to the propellers and portions of the wings. The rear and right side of the plane received some

damage while the front of the plane appears to be intact. The pilot and sole person onboard was uninjured.

16nov18 OH-58C w/o

The Columbus-based Metro Narcotics Task Force (which includes Harris County, Russell County, Phenix City, Muscogee County, and Columbus itself) Kiowa crashed into Lake Mitchell on the Coosa River in Alabama, near the Chilton County community of Verbena, located between Montgomery and Birmingham, east of Interstate 65. The helicopter impacted the waters subsequent to a wire strike during a positioning flight enroute for maintenance. Both occupants, the pilot and a retired CPD officer, were found the following day.

17nov18 NL4132A P-51D **122-40985** w/o

This privately owned North American P-51D Mustang crashed into the parking lot at the Friendship Place Apartments on South Creek Street, east-northeast of Gillespie County Airport (TX), killing the pilot and his passenger. It was flying as "Pecos Bill" with registration NL4132A (former serial number 44-74445/ME-G). The Mustang was returning after performing a flyover during the War November WWII Pacific Combat Program air show at the National Museum of the Pacific War in Fredericksburg.

17nov18 XB-MZE PA-31T1 **31T-8104014** dam

A privately owned Mexican Piper Cheyenne I received a lot of damage after the brakes of the plane malfunctioned and it subsequently overran the runway at Lázaro Cárdenas, Michoacan, Mexico. The wing of the plane struck a house. Both occupants were not injured.

17nov18 N4817M Be95-B55 **TC-2147** dam

The Dick James & Associates Beech Baron impacted terrain in Texas County east of Tyrone (OK) during a diversionary attempt to land at Liberal Mid-America Regional Airport (KS). The Baron sustained substantial damage and the two occupants onboard were fatally injured.

18nov18 N441CX Ce441 **441-0305** w/o

A Cessna Conquest II of Bismarck Air Medical was destroyed when it apparently went out of control and broke up in flight while climbing through about 14,000ft, north-west of Mandan (ND) shortly after take-off from Bismarck. The three occupants died in the crash. The accident happened in darkness (about 23:00 at night) while the aircraft was operating a flight to Williston (ND) to collect a patient.

19nov18 C-FSII EC120B **1473** w/o

A private Colibri crashed under unknown circumstances at Ivry-sur-le-Lac, Laurentians region, Canada. The wreckage of

the helicopter was located on the following day and sadly the pilot died in the crash.

21nov18 YV1215 Ce337G **337-01543** w/o

All four occupants were injured after the private Cessna Super Skymaster crashed under unknown circumstances at Purpunken, Bolivar, Venezuela.

22nov18 OB-2041-P B737-53C **24825** w/o

Peruvian Airlines' Boeing 737, operating flight P9-331 from Cuzco-Velazco Astete Airport (Peru) to La Paz-El Alto Airport (Bolivia), suffered a gear collapse of both main gear struts upon landing at La Paz's runway 10. It came to a stop on the centre line of the runway resting on the nose gear, both engines and the aft belly of the fuselage. The 122 passengers and five crew members disembarked onto the runway via mobile stairs. There were no injuries, but the aircraft sustained substantial damage. At the time of the incident weather conditions were good, so exactly what went wrong is under investigation.

22nov18 310923 W-3A **310923** w/o

A Philippine Air Force W-3A Sokol, with eight passengers and crew members (including Rep. Anthony Bravo of COOP NATCCO party-list and several others) crashed in a ravine in the Crow Valley, Tarlac, Philippines. No fatalities were reported, but one crewman lost his arm, according to Colonel Arthur Baybayan, sergeant-at-arms of the Commission on Appointments. The chopper was one of the two carrying attendees to the AFP Legislative Stakeholders Engagement from Tridoc in Capas to the Crow Valley Gunnery Range.

23nov18 F932 F-7BG **0932** w/o

A Chengdu F-7BG of the Bangladesh Biman Bahini (Bangladesh Air Force) crashed mid-afternoon at the Rasulpur Firing Range, Tangail, while participating in exercise Firepower 2018. At the time it was engaged in rocket firing exercises. The pilot managed to eject but did not survive. An AW139 conducted a search and rescue operation, and retrieved his body a short while later.

23nov18 54006 Il-18Grm **187009802** w/o

An Il-18Grm of NPP Mir suffered a runway excursion after landing at Naryan-Mar Airport, Russia, after a flight that started in Syktyvkar Airport. The aircraft came to rest in the snow, a few dozen metres past the end of the runway. The propeller blades suffered damage during the overrun the incident, the cause of which is to be determined.

Credits: ASN, Aviation Herald, B3A, Flight Global, JACDEC, Ponoka News



Same aircraft, Sky Lease Cargo B747 N908AR, and same photographer, Marc Geuzinge, only a different angle to show the damage to the Queen of the Skies.

Military News & Updates



The Royal Saudi Air Force (RSAF) ordered 55 Pilatus PC-21s in May 2012. The first three aircraft were delivered in June 2014. The last deliveries took place in 2016, marking the RSAF as the largest fleet operator of the PC-21. The PC-21s are based at King Salman AB near Riyadh. The fleet belongs to the King Faisal Air Academy and is operating in three squadrons: 9sq, 22sq and 77sq. (near Faisal, 2018, Fahad Rihan)

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

Netherlands

On 18 October 2018, the Secretary of State of the Royal Netherlands Ministry of Defence, Barbara Visser, confirmed the purchase of an additional three F-35s for the Royal Netherlands Air Force. The total number of confirmed orders is now 37 aircraft. These three aircraft will be delivered in 2023. The Ministry of Defence is still considering an additional number of aircraft but this needs official confirmation.

F-16AM

J-146	323sq	ex LCW	6D-136	oct18
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F-35A

F-002/OT	323sq	spec tail c/s	AN-2	nov18
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Special tail markings to commemorate 70 years of operations of the 323 TES Squadron.

Belgium

Luchtcomponent/Composante Air/Air Component [AF]

The Belgian Defence Forces announced that they are offering twenty-five of their Alpha Jets for sale by December 2019. The sale includes all sorts of ground equipment, a simulator and spare engines. The deadline for the sale is 7 November 2019. 33 Alpha Jets entered service between 1978 and 1980 and the aircraft are now nearing their end of life date. The current fleet of Alpha Jets is based at Cazaux in France with the Belgian-France Advanced Jet Training School (AJeTS) which was established in 2004. This international training school will cease operations in December 2018. However the Alpha

Jets will stay at Cazaux till the end of 2019. For the training of new fighter pilots, the Belgian Air Force will take part in the EURO-NATO Joint Jet Pilot Training (ENJJPT) based at Sheppard Air Force Base, Texas, USA.

Austria

Österreichische Luftstreitkräfte (AF)

DA40NG

3H-DC	Lehrabt. Fläche	ex Diamond Aircraft	OE-UDK	sep18
3H-DD	Lehrabt. Fläche	ex Diamond Aircraft	OE-UDY	sep18

Cyprus

Ethniki Froura, Diikissi Aeroporias (AF)

The SA342L1 Gazelle helicopters are scheduled for replacement in 2020. They will be replaced by one of the candidates on the shortlist that currently contains the Airbus Helicopters H125 (Fennec) and the Armed Bell 407.

Finland

Ilmavoimat (AF)

F-18C

HN-457	HävLLv 11	ex HävLLv 31	1497/FNC057	nov18
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Hawk Mk51

HW-321	HävLLv 41	ex KoeLntk	312218/231	nov18
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Germany

Luftwaffe (AF)

A400M

54+20	LTG62	ex Airbus Military	074	nov18
54+22	LTG62	ex Airbus Military	081	nov18

C-160D

50+53	LTG63	ex LTG61	D75	nov18
50+64	museum	Oberschleissheim	D101	oct18

EF2000

30+70	TLG74	ex TLG73	GS052	nov18
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31+45	TLG31	f/n dbase	GS0105	apr18
31+47	EADS	f/n dbase	GS0107	oct18

Heeresflieger (AR)
ETHS = Fassberg

NH90-TTH				
78+28	THR10	ex IHAZ	TGEA28	nov18
78+36	THR30	ex Airbus heli.		oct18
78+38	IHAZ	ex THR30		nov18
79+09	IHAZ	serial update		oct18
79+17	IHAZ	ex Airbus heli.		oct18
79+18	IHAZ	ex Airbus heli.		nov18
79+19	IHAZ	ex Airbus heli.		nov18
79+20	IHAZ	ex Airbus heli.		oct18
79+21	IHAZ	ex Airbus heli.		nov18
79+28	IHAZ	ex ETHS		nov18

Tiger UHT				
74+70	KHR36	ex Airbus Heli.		oct18

UH-1D				
71+40	THR30	ex HSG64	8200	nov18

Italy

Aeronautica Militare (AF)

After eight years, the Aeronautica Militare 23° Gruppo "Veltri" (Greyhound) was reactivated at Cervia air base in Northern Italy on 30 October 2018. In 2010, the 23° Gruppo said goodbye to the General Dynamics F-16 after years of protecting Italian airspace. The role of the unit has changed and the new mission will be personnel Recovery (PR - recovery of military and civilian personnel in hostile territory). The Gruppo will be operating the very modern HH-101A Caesar helicopter, the latest generation aircraft supplied to the 15° Stormo. In his speech, Colonel Mauro Gnutti, taking advantage of the Gruppo's motto, taken from the Divine Comedy "Come veltri ch'uscisser di catena", underlined how for eight long years this indomitable greyhound wanted to free itself from its chains. The 23° Gruppo was established in 1957 and, through its years, operated the F-86K, F-104 and F-16.

AB212AM				
MM81147/15-47	80° Centro SAR	ex -/MITCM	5804	oct18

F-2000A				
MM7281/36-03	936° GEA	ex 4-14/904° GEA	112/IS013	oct18

S208M				
MM61937/60-24	423° SC	ex -/423° SC	4-131	may18

Aviazione dell'Esercito (AR)

On 8 October 2018, the 7° Reggimento Aviazione dell'Esercito 'Vega' at Rimini-Miramare celebrated the Regiments' 20th anniversary by unveiling a monument dedicated to Giannetto Vassura, a pilot born in the area and whose name

has been linked to the airport from 1934. On 27 October 1918, Sergeant Pilot Vassura lost his life with three other men, when his Caproni Ca.3 bomber serial Ca.11503 was shot down by anti-aircraft fire at Rua di S.Pietro di Feletto (a village near Conegliano in the Veneto region). For this celebration, and in Italian tradition, two based helicopters had special colours applied. The lucky numbers are A129D MM81418/E.I.948 and UH-90A MM81557/E.I.240.

With the present continuous delivery of the new UH-90A (NH90) to the Aviazione dell'Esercito, it would be advisable to start thinking of a substitute for the AB205. The Italian version of the American Bell UH-1 Huey, the Agusta built AB205 was a helicopter with exceptional qualities, but was developed almost sixty years ago. The heavy UH-90A will not replace the AB205, also due to the high purchase and management costs. A lighter helicopter can be used as a substitute, able to carry out different missions as well as operate in high intensity scenarios, equipped with night-flying instruments, self-protection devices and armour to survive small arms fire. These features could be met by the military version of the AW169M (M for Military), produced by Leonardo. The helicopter is equipped with two 1,000 Hp engines at the rotor, which is twice as powerful as the present AB205.

A129D				
MM81401/E.I.931	48° Gruppo	ex 49° Gruppo	29032	nov18
MM81408/E.I.938	48° Gruppo	ex A129C/49° Gruppo	29039	nov18

AB206C-1				
MM80608/E.I.547	pres Solbiate	ex 1° Gruppo	9040	jun18

UH-90A				
MM81553/E.I.236	25° Gruppo	new	ITAR37	mar17
MM81557/E.I.240	25° Gruppo	new	ITAR41	nov18

Marina Militare Italiana (NY)

SH-90A				
MM81605/3-30	Grupelicot 5	new		oct18

Guardia di Finanza (PO)
On 12 November 2018, the Guardia di Finanza (GdF) ordered 22 Leonardo Group AW169M helicopters in a 280 million euro (some US\$ 315 million) contract. The contract includes a comprehensive support and training package which could be further extended with optional services valued at an additional 100 million euro. First deliveries are expected by summer 2019; work must be completed by 2024. The GdF will use the AW169Ms for air surveillance and reconnaissance, public order, search and rescue, law enforcement and homeland security missions. The helicopters will be added to the fleet of fourteen AW139s, of which six are already delivered, with the remaining expected before late 2019.



323 Test and Evaluation Squadron (TES) "Diana" based at Edwards AFB (CA) realised tailmarkings on F-35A F-002 to commemorate 70 years of excellence with their team of professionals. (16 November 2018, 323TES-3)

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It is reported that at least ten Ka-27s have now been modified to 'M' standard.

Ka-29				
RF-34192/23 rd			52350025118813	aug18
MiG-29K				
.../41 bl				17
.../39 bl				sep18
RF-92311/35 bl				sep18
RF-92316/40 bl				aug17
RF-92319/43 bl				jun18
RF-92321/45 bl				sep18
MiG-29KUBR				
.../52 bl				aug16
A note on Naval MiG-29s, all aircraft have a two-seater canopy, the rear area on the single seat is used for avionics.				
MiG-31				
RF-33797/30 bl				jan18
RF-33798/31 bl				mar18
Su-24M				
RF-33842/07 wh	72 AvB			jul18
Su-30SM				
RF-33785/41 bl	43 OMSHAP		10MK51205	sep16
RF-33719/43 bl	43 OMSHAP			jun17
Su-33				
RF-337../77 rd	279 KIAP		49051005101	may18
RF-33710/68 rd	279 KIAP		49051007301	may18
Tu-142MK				
RF-34057/97 bk	"Volgoda"			nov18
RF-34063/56 rd	"Alexander Mozhaiki"		6603930	nov18
Tu-142MR				
RF-34067/12 rd	"Vitegra"		8058013603015	jul18
Federal Security Service (FSB)				
Mil Mi-8MTV-1				
RF-28506	FSB	w/o 13sep18	95047	sep18

Sweden

Flygvapnet (AF)

JAS39C				
39275/275	F7	ex F21	39-275	nov18
39289/289	F7	ex F17	39-289	nov18
39291/291	F7	ex F21	39-291	nov18
JAS39D				
39840/840	F21	ex F17	39-840	nov18

Switzerland

Schweizer Luftwaffe (AF)

PC-24				
T-786	Pilatus	on order	121	oct18
On 7 November 2018, Pilatus PC-24 T-786 destined for the Schweizer Luftwaffe was outside for its first engine runs at its birth ground at Stans (Switzerland). It is expected that T-786, ordered in 2014, will be delivered in December 2018 to the Schweizer Luftwaffe. It will fulfil the task of VIP transport aircraft.				

Turkey

T625				
TC-HLP	TAI	f/n		aug18
On 6 September 2018, the indigenously developed T625 made its maiden flight. The T625 is developed and built by Turkish Aerospace Industries (TAI) and dubbed Turkish Light Utility Helicopter (TLUH). The TLUH programme was launched in 2013 as Özgün (Indigenous). In January 2017, the helicopter received an official designation from TAI, namely T625 (6 tons gross weight, 2 engines, 5 blades main rotor). After certification it will be converted with mission equipment for Turkish military use. The T-625 is intended to replace the Turkish Armed Forces UH-1H Huey fleet. The new helicopter will also be offered on the domestic market. The T625 was rolled-out on 18 August 2018. Serial production is expected to start after 2021.				

Türk Hava Kuvvetleri (AF)

On 17 October 2018, the eighth of ten ordered A400M Atlas was delivered by Airbus Military to 221 Filo of the Türk Hava Kuvvetleri (Turkish Air Force). The transport aircraft was ferried from Seville San-Pablo (Spain) to Kayseri-Erkilet (Turkey) as TUA268 and it will join the current inventory of six previously delivered aircraft. On 9 May 2015, an Atlas that was destined to go to Turkey dramatically crashed during a test flight and it is to be expected that this will be replaced, leaving three pending deliveries.

A400M				
17-0080	221 Filo	d/d, ex Airbus Military	080	oct18
Anka-S UAV (SatCom variant)				
...	TAI	photo	007	
...	TAI	photo	008	
16-010	TAI	photo		aug18
17-023	TAI	photo		sep18
18-031	TAI	photo		



Seen arriving in Brussel for a meeting was this brand new Falcon 7X with serial 606 of the Hungarian Air Force. The aircraft was delivered last August 2018 to the Hungarian Air Force. (5 November 2018, Jochem Jottier)

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In October 2018, the 7° Reggimento Aviazione dell'Esercito 'Vega' at Rimini-Miramare celebrated the Regiments' 20th anniversary by unveiling this special coloured UH-90A MM81557/E.I.240. (Rimini-Miramare, 8 October 2018, Daniele Mattiuzzo)

F-16C

88-0031	401 Filo	ex 142 Filo	4R-33	jul15
91-0002	401 Filo	ex 161 Filo	4R-82	apr16
91-0015	401 Filo	ex 182 Filo	4R-95	oct18
93-0001	401 Filo	ex 181 Filo	4R-123	jan18

F-16D

87-0003	401 Filo	ex 143 Filo	4S-8	sep15
92-0023	132 Filo	ex 182 Filo	4S-23	sep18
94-0106	401 Filo	ex 191 Filo	HD-8	jan18
94-0110	401 Filo	ex 141 Filo	HD-12	sep16
07-1019	161 Filo	ex 142 Filo	NW-5	sep18

F-35A

18-0001	56th FW/63rd FS	18oct18 with "8219"		
AT-1	oct18			
18-0002	56th FW/63rd FS			

AT-2

F-4E

67-0268	MKE	scrapped	2992	
MKE is the scrap metal dealer, south of Izmit located at 40°42'49.63"N 29°53'39.99"E				

F-4E/TM

68-0348	pres Yesilyurt	ex 112 Filo	3402	sep18
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This Simsek-upgraded Recce Phantom was transported to Malatya, Yesilyurt Beylerderesi Sehir Parki for preservation on 10 September.

F-4E-2020

73-1042	111 Filo	ex 171 Filo	4659	oct18
77-0300	401 Filo	ex 111 Filo	5015	jan18

During September, two Anka-S UAVs were delivered to the Turkish Air Force. The Anka-S is the Sattelite Communications (SatCom) variant of this indigenous UAV. These deliveries bring the current inventory of the TurAF Anka UAVs to eight.

The first two indigenous Hürkuş B Basic Training Aircraft are expected to be delivered to the 2nd Main Jet Base (2 AJÜ) at Izmir-Çigli by 15 November. Once delivered, the first aircraft will be used to train Instructor Pilots that in turn can train new cadets and additional instructor pilots. Back in March 2006, the Savunma Sanayii Müsteşarlığı (SSM, Undersecretariat for Defence Industries) initially ordered fifteen Hürkuş Bs, which Turkish Aerospace Industries developed and produced. The remaining thirteen aircraft are expected to enter the TurAF inventory in the first half of 2019. An option for 40 additional aircraft was also agreed upon and after the evaluation of the first batch, the Turkish Air Force might execute the option. The Hürkuş B will augment the KAI KT-1T that are already operated out of Izmir-Çigli by 122 Filo.

Türk Kara Kuvvetleri (AR)

We finally have confirmation of the new code and serial system of the Turkish army. The serials now seem to be derived from

the manufacturer's serial number (MSN) and the codes seem to signify the unit (Kara Havacilik Alay Komutanlığı - Army Aviation Regiment Command that the aircraft is operated by) and the type of aircraft. The following algorithm applies:

- A = 1st Kara Havacilik Alay Komutanlığı (Ankara-Guvercinlik)
- B = 2nd Kara Havacilik Alay Komutanlığı (Malatya-Tulga)
- C = 3rd Kara Havacilik Alay Komutanlığı? (Izmir-Gaziemir)
- D = 4th Kara Havacilik Alay Komutanlığı? (Istanbul-Samandira)
- H = General Purpose Helicopter
- G = Attack Helicopter

So, for example: 16-7461/AH is a CH-47F operated by the 1st KHAK and it is a General Purpose Helicopter with MSN M7461. This makes us wonder how the MSNs and the serials of the TAI T129 ATAK helicopters are related, for example with 17-1028/BG.

Something that stayed completely under the radar for us... Savunma Sanayii Başkanlığı Resmi (SSB - the Presidency of Defence Industries) and Turkish Aerospace Industries (TAI) signed a development and serial production contract during arms-expo IDEF in May 2017, covering the delivery of twelve (plus twelve optional) Hürkus-Cs to Turkish Land Forces Command. Deliveries were scheduled to start in 2018 but this looks no longer feasible, so we expect deliveries to commence in 2019.

T129B

17-1028/BG	2 KHAK	f/n	mar18
17-1029/BG	2 KHAK	f/n	mar18
18-1034/AG	1 KHAK	f/n	may18
18-1035/AG	1 KHAK	f/n	mar18

Türk Deniz Kuvvetleri (NY)

During a mid-October 2018 interview, General Manager of Baykar Makina Haluk Bayraktar, provided insight into the deliveries of the indigenously developed and produced Bayraktar TB2 UAV. He declared that so far six armed UAVs were delivered to the Gendarmerie General Command and with that the total number of domestically delivered Bayraktars reached 58 of which 35 are in an armed configuration. The largest user is the Army (Turkish Land Forces Command), followed by the Emniyet (General Directorate of Security). In the coming months, Baykar Makina will deliver the first of ten ordered Bayraktar TB2s to the Turkish Naval Forces Command, some of which will be in the armed configuration.

Apart from the Bayraktar, the Turkish Naval Forces Command are receiving yet another type of indigenously developed UAV, the Anka-B and Anka-S. The exact numbers are yet to be disclosed.

S-70B

TCB-75	351/352 Filo	f/n, MSN update	70-4244	sep18
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In September, a new S-70B for the Turkish Navy was seen at Istanbul. It is either an attrition replacement for TCB-67 that crashed on 12 October 2014 or it was delivered as compensation for the delayed deliveries of the second batch of S-70Bs.

Emniyet Teskilati Genel Müdürlüğü (GV/PO)

Bell 429

EM-7093/403	Emniyet	code confirmed	57093	sep18
EM-7095/404	Emniyet	code confirmed	57095	sep18

S-70A-17

EM-702	Polis	ex EM-1593?	70-1593?	sep16
EM-703	Polis	ex EM-1594?	70-1594?	sep18

Türk Jandarma Havaçılık Komutanligi (PO)

AB206R

10380	pres Istanbul	Istinye Üniversitesi	8054	oct18
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Çağatay UAV

317	Polis	photo		
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Mi-17-1V

J-1703	Jandarma/2 Hlk. Filo ex J792M03	792M03	sep18
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A single Hürkus-C prototype was delivered by TAI to the Gendarmerie General Command (GGC) during the second half of 2017 under a leasing agreement. GGC has launched a project to procure up to twelve (in two batches of six) Hürkus-C aircraft.

Back in February, it was announced that the Türk Hava Kurumu (Turkish Aeronautical Association – a civilian organization founded in 1925 by Mustafa Kemal Atatürk) won a US\$ 50 million tender to perform maintenance and modification of seventeen Mi-17-1V “Hip-H” general purpose helicopters of the Turkish Jandarma Havacılık Komutanlığı (Gendarmerie Aviation Command). The project was supposed to take place at THK facilities at Isparta Süleyman Demirel Airport. However, now it seems that the same contract was transferred – for 10 million less – to the UkrOboronProm (Ukrainian Defense Industry) and specifically to State Enterprise Konotop Aircraft Repair Plant “AVIAKON” and aero-engine manufacturer “Motor Sich”. Ukrainian Interior Minister Arsen Avakov said this contract is the result of a 6-month work with the Turkish Ministry of Internal Affairs and was signed in early September. The Turkish Gendarmerie received twenty Mi-17-1V helicopters in 1995. Fourteen Hips were delivered in a standard utility configuration while two

were configured as air ambulance and one as VIP/liaison platform. The remaining three are equipped for air assault tasks and these can carry rocket pods. The contract covers the maintenance of seventeen aircraft, so we presume that this is the number of Mi-17-1V helicopters that are in the inventory currently.

T129B

J-1512	Jandarma	named “Yavuz”	oct18
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On 27 October 2018, the fourth TAI/AgustaWestland T129B ATAK for the Jandarma Havacılık Komutanlığı (Turkish Gendarmerie Aviation Command) was handed over at Ankara-Güvercinlik. Its registration was again derived from a year in which a significant event took place in Turkey: 1512. In 1512, Selim I became the Sultan of the Ottoman Empire. His reign, which lasted to 1520, is notable for the enormous expansion of the Empire.

S-70i

J-3904?	PZL Mielec	f/n	70-3904?	oct18
J-3943	PZL Mielec	f/n	70-3943	oct18

On 19 October 2018, a PZL Mielec-produced S-70i Black Hawk for the Jandarma Havacılık Komutanlığı (Turkish Gendarmerie Aviation Command) made its first appearance with its future serial taped over, but with test registration SP-YVN. On 27 October however, it revealed its identity: J-3943. The full history for this airframe with Sikorsky MSN 70-3943 is ex SP-YVF (4), N943SK and SP-YVN. On the same day, a second example was photographed Bydgoszcz – Szvederowo, Poland. This is most probably MSN 70-3904, history SP-YVC, N904SK, cnx to Poland. If that turns out to be true it will become J-3904.

Türk Genel Baskanligi (GV)

A340-542

TC-CAN (2)	Vip Flt.	Ex TC-TRK (2)	902	sep18
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B747-8ZV

TC-TRK (3)	Vip Flt.	d/d sep18	42096/1468	nov18
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The former Qatar Amiri Flight Boeing 747-8ZV was first seen in Türk Cumhuriyeti (Turkish Republic) titles in early October. After its paint job at Istanbul Sabiha Gökçen International Airport, it received the registration TC-TRK. The extremely luxurious aircraft was supposedly gifted by Sheikh Tamim bin Hamad Al Thani, the Emir of Qatar in September 2018. The aircraft is certified to accommodate 467 passengers



Cem Dogut provided us with some unit updates of Turkish Air Force F-16s. F-16C 91-0015 is a new addition to 401 Filo (former 182 Filo) and was seen lining up on the runway of Eskisehir on the 17th of January 2018.

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As mentioned in the Turkish Military updates, S70i SP-YVN made its first appearance on the 19th of October 2018 with its future military serial (J-3943) taped over. However, this military serial is still visible on its tail. (Mielec, 5 November 2018, Marcin Bobro)

but only includes 76 passenger seats with eighteen more to accommodate the crew. The over-the-top interior looks like a luxury hotel, featuring seven bedrooms and two boardrooms. Pictures of the interior are trending on many media sites and the exact reason for this “gift” to president Recep Tayyip Erdoğan of this USD 500 million aircraft remains unclear. One explanation could be that Erdoğan stood firmly behind the Qatari leadership during the “War of Words” that occurred in 2017 when Qatar’s neighbours cut off diplomatic and economic ties. Saudi Arabia, the UAE, Bahrain and Egypt accused Qatar of supporting terrorism. It is still unclear if the aircraft was really gifted or that the Turkish tax payer has funded this extravaganza.

Ukraine

The recent exercise ‘Clean Sky 2018’ held during October in Ukraine provided us with many updates, so a general thank you to those who posted logs and the many photographers lucky to attend.

Povitryani Sili (AF)

L-39C

.../116 bl	7 BrTA	934675	oct18
.../74 bl	7 BrTA	934660	oct18
.../73 bl	7 BrTA	934706	oct18

Mi-8MTV1

.../67 ye	15 TABR	95119	sep14
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MiG-29

.../16 bl	to Azerbaijan as ?	2960717930	
.../42 wh			93

...	to Algerian Air Force	2960721112	
.../73 wh	114 BrTA	2960721115	dec00
.../71 wh	114 BrTA		16
...			aug16

.../40 bl		2960721120	
.../49 wh/ol	Vasylkiv	2960729356?	aug97
.../15 bl	Luhansk Museum	2960512118	may08
.../49 wh	Ivano-Frankivsk	2960520160	jan11
.../54 bl	Ukraine Sokoli	2960731234	jul13
			mar14

MiG-29MU1

.../02 wh	40 BrTA	2960731641	oct18
.../06 wh	40 BrTA	2960731232	oct18
.../07 wh	40 BrTA	2960731222	oct18
.../05 wh	40 BrTA	2960731227	oct18
.../08 wh	40 BrTA	2960731239	oct18

MiG-29UB

...	to Kazakhstan as 45 red	50903011584	
...	to Kazakhstan as 44 red	50903005127	
.../50 wh	Vasylkiv		oct07

Su-15TM

.../47 bl			sep96
.../41 bl			may98
.../04 bl			may98

Su-15UM

.../60 bl			sep96
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Su-24

.../03 wh	7 BrTA		oct18
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Su-24M

.../82 wh	7 BrTA		aug13
.../40 wh	7 BrTA		oct18
.../85 wh	7 BrTA		oct18
.../33 wh	7 BrTA		oct18
.../06 wh	7 BrTA		oct18
.../46 wh	7 BrTA		oct18
.../31 wh	7 BrTA		oct18
.../30 wh	7 BrTA		oct18
.../04 wh	7 BrTA		oct18
.../49 wh	7 BrTA		sep18
.../20 wh	7 BrTA	1615324	oct18
.../77 wh	7 BrTA	1341605	oct18
.../22 wh	7 BrTA		oct18
.../44 wh	7 BrTA	0715347	oct18
		1041650	oct18

Su-24MR

.../36 ye	7 BrTA		0415307	oct18
.../93 ye	7 BrTA		03153065	oct18
.../11 ye	7 BrTA			oct18
.../60 ye	7 BrTA		0741613	oct18
.../21 wh	7 BrTA		0415304	oct18
.../59 ye	7 BrTA		0741612	oct18

Su-25M1

.../46 bl	299 BrTA		25508104003	oct18
.../31 bl	299 BrTA		25508110263	oct18
.../20 bl	299 BrTA		25508110269	apr08

Su-25UBM1

.../63 bl	299 BrTA			oct18
.../67 bl	299 BrTA		38220115021	oct18

Su-27S

.../21 bl	831 BrTA		36911014206	oct18
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Su-27UBM1

.../71 bl	831 BrTA		96310424043	oct18
.../70 bl	831 BrTA	w/o 16oct18	96310424040	oct18

United Kingdom

Royal Air Force (AF)

With reference to last month’s news, it is now known that the British military is planning a single source selection procurement for the E-7 Wedgetail. The option to take over two Royal Australian Air Force (RAAF) aircraft to speed up

deliveries is reportedly under discussion. Competitor Saab has openly complained against the one-source option selected, while voices in Great Britain believe that UK industry will benefit more from an open selection as well.

The United States Defense Security Cooperation Agency published approval for the potential sale of up to sixteen Chinook helicopters to the Royal Air Force. The helicopters will be in the so-called extended-range configuration and if the deal indeed materializes it is valued at \$3.5 billion. This number includes weapons like M134D-T miniguns, training and support. The additional equipment mentioned indicates that the helicopters will be MH-47G variants to support Special Forces Operations. Over the last years UK Ministry of Defense (MoD) sources repeatedly indicated plans to purchase newly built Chinooks to replace the oldest helicopters on strength. Despite having gone through various upgrade programs, the oldest operational Chinook in the RAF inventory already performed its maiden flight back on 23 March 1980.

Something which totally slipped our attention is that on 8 December 2016 the last Hercules mission took place with 30sq. After that elements of the squadron were transferred to 47sq which now is the last operational Hercules squadron. In the future 30sq is slated to be re-activated as the second operational Atlas C1 squadron.

RAF Lossiemouth will be closed during the summer of 2019 for extensive construction work in preparation of the arrival of the P-8A Poseidon maritime patrol aircraft, and the establishment of an additional Typhoon squadron (12(B)sq). Construction will last well into 2020. During this period, the Typhoon squadrons (1(F)sq, II(AC)sq and 6sq) will temporary re-allocated to RAF Kinloss. The first two P-8A aircraft will actually be delivered to this RAF station as well in February 2020. Sort of poetic justice since RAF Kinloss of course was the home to the RAF Nimrod fleet for many years. The Northern QRA will not operate out of RAF Kinloss, but out of Leuchars Army Base.

With reference to Scramble 472, XXV(F)sq was officially re-activated at RAF Valley on 8 September 2018. Just in time for the ceremony, their first Hawk T2 (ZK029) was painted in XXV(F)sq markings. Additional aircraft are expected to appear in similar colours over the next months.

On 14 November 2019, LRIP 12 was placed with Lockheed-Martin for in total 225 F-35 Lightning II aircraft. This contract includes seventeen F-35B aircraft for the Royal Air Force. These jets will be delivered between 2020 and 2022, and it will virtually double the size of the F-35s for the RAF to a total of thirty-five aircraft.

EGDM = Boscombe Down	EGVL = Little Rissington
EGNO = Warton	EGVO = Odiham
EGOS = Shawbury	EGWC = Cosford
EGUB = Benson	EGYM = Marham

3/4Regt	Joint 3/4 Regiment pool at Watisham
7ASB REME	7 Aviation Support Battalion, Royal Electrical and Mechanical Engineers at Wattisham
ADSU	Apache Depth Support Unit at Wattisham
Airbus France	Airbus Helicopters at Marseille-Provence (France)
Airbus Military	Airbus Military at Madrid-Getafe (Spain)
BAE EGNO	British Aerospace at Warton
EGUB Pool	28sq, 33sq and 230sq pool at RAF Benson
EGVO Wing	7sq, 18(B)sq and 27sq pool at RAF Odiham
CMF	Chinook Maintenance Unit at RAF Odiham
GMS	Glider Maintenance School at RAF Syerston
Leonardo	Leonardo Finmeccanica at Yeovil
MDMF	Merlin Depth Maintenance Facility at RNAS Culdrose
Membury	Southern Sailplanes at Membury
P2MF	Puma HC2 Maintenance Flight at RAF Benson
StandardAero	StandardAero at Fleetlands
TMU	Typhoon Maintenance Unit at RAF Coningsby
TST	Tornado Servicing Team at RAF Marham
QAT	QinetiQ Air Fleet at QinetiQ Boscombe Down
WST	Wildcat Storage at RNAS Yeovilton
WZM	Wildcat Maintenance at RNAS Yeovilton

Atlas C1

ZM404	o/h Airbus Military, ex 24/70sq	021	sep18
ZM405	o/h Airbus Military, ex 24/70sq	024	oct18
ZM407	24/70sq ex o/h Airbus Military	026	sep18

Chinook HC4

ZA670	EGDM	see note	M7032	sep18
ZA680	EGDM	ex EGVO Wing	M7024	oct18
ZA704	18(B)sq	ex 28sq	M7006	sep18
ZA707	StandardAero	ex 18(B)sq	M7025	sep18
ZA710	EGDM	ex 28sq	M7003	oct18
ZA713	StandardAero	ex CMF	M7013	aug18
ZA714	EGDM	ex 28sq	M7005	sep18
ZA720	EGDM	ex 18(B)sq	M7020	oct18

After attention with the Chinook Maintenance Flight at RAF Odiham, ZA670 was delivered to 28sq early-September 2018. At the end of the same month the helicopter returned to RAF Odiham, only to depart again to QinetiQ Boscombe Down for conversion to HC6A standard by 30 October 2018.

Chinook HC5

ZH898	18(B)sq	ex StandardAero	M4477	oct18
ZH900	CMF	ex 27sq	M4479	oct18
ZH904	CMF	ex 27sq	M4483	oct18

Chinook HC6

ZK552	7sq	ex CMF	M7703	sep18
ZK559	StandardAero	ex 7sq	M7710	sep18
ZK560	StandardAero	ex 7sq	M7711	aug18



Two Y-12Es are on strenght with the Malinese Air Force. Serial TZ-22T was seen on arrival at Bamako. (31 October 2018, Joost)



One of the newly acquired Ce172s for the Uganda Air Force is this ex N20271 AFRICair Ce172 which was seen at Kajjansi airport by Erwin Alexander. (6 November 2018)

ZK561	7sq	ex 18(B)sq	M7712	sep18
ZK562	7sq	ex CMF	M7713	oct18
ZK563	CMF	ex 7sq	M7714	oct18

Chinook HC6A

ZA677	CMF	see note	M7012	oct18
ZA679	StandardAero	ex 18(B)sq	M7014	oct18
ZA681	27sq	ex 18(B)sq	M7002	oct18
ZA682	27sq	ex CMF	M7008	sep18
ZD574	StandardAero	ex 18(B)sq	M7021	sep18
ZD983	27sq	ex CMF	M7022	oct18

On 6 October 2018, ZA677 was delivered to 28sq (RAF Benson) following conversion to HC6A standard. It moved on to RAF Odiham for attention with the Chinook Maintenance Flight (CMF) on 26 October 2018.

Hawk T2

ZK026/FB	25(F)sq	ex 4sq/Q	RT017	oct18
ZK029/FE	25(F)sq	ex 4sq/T	RT020	sep18

Hercules C4

ZH878/878	24/47sq	see note	5462	sep18
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On 30 April 2018, ZH878 was delivered to Cambridge where it underwent maintenance with Marshalls. On 11 September 2018, it was delivered back to the RAF. This however was not to RAF Brize Norton (24/47sq), but to QinetiQ Boscombe Down (206sq) where it is used for trials until it was returned to 24/47sq on 2 October 2018.

Hercules C5

ZH886	to Bahrain as 702, ex Marshalls	5484	nov18
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This C-130J was withdrawn from use by the RAF on 6 January 2017. On this day it flew from RAF Brize Norton to Cambridge where it was placed in storage with Marshalls. Together with ZH880 it was later sold to Bahrain. On 12 November 2018, it departed Cambridge on its delivery flight. It is expected that ZH880 (701) will follow soon.

Additional Hercules C5 news is that ZH881 is confirmed as sold to Bangladesh. It arrived at Cambridge on 14 October 2016, and is currently being prepared for delivery. Serial number 99-5479 has been allocated to this aircraft.

Puma HC2

XW199	P2MF	ex EGUB Pool	1042	aug18
XW204	P2MF	ex EGUB Pool	1074	aug18
XW235	Airbus France	ex std EGUB	1212	sep18
ZA940	EGUB Pool	ex P2MF	1656	oct18

On 21 September 2018, ZA940 returned to RAF Benson from Kidlington. We lost track of this helicopter in July 2015. Most likely it underwent repairs/deep maintenance with Airbus in Bulgaria or France. It currently is undergoing attention with P2MF prior to being issued again to the Benson Pool.

It looks like the RAF is allocating one letter codes to the Puma HC2 fleet. In September 2018, XW216 was seen carrying code "G", while the next month ZJ955 was seen coded "X".

Shadow R1A

ZZ419	14sq	ex Raytheon	FM-18	oct18
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Delivered as Shadow R1, this aircraft underwent modifications with Raytheon at Hawarden and was delivered back to 14sq on 4 October 2018. Its new designation has been reported as R1A, but confirmation is required.

Texan T1

ZM330/330	Ascent	ex N2859B	PM-128	nov18
ZM331/331	Ascent	ex N2860B	PM-129	nov18

Again, two Texans were delivered to the United Kingdom. On 4 November 2018, they arrived at Glasgow, and the next day they continued their journey to RAF Valley. Only a single Texan T1 (ZM332) is yet to be delivered to complete the order for ten aircraft. On 13 November 2018, both newly delivered aircraft were entered into the British Civil Aviation Register as G-CKVR (ZM330) and G-CKVS (ZM331).

Tornado GR4

ZA449/020	IX(B)sq	ex TST	240	jun18
ZA463/028	IX(B)sq	ex TST	273	jun18
ZA542/035	IX(B)sq	ex 31sq/035	050	jun18
ZA553	i/a EGYM	ex 31sq/045	070	oct18
ZA554/046	IX(B)sq	ex 31sq/046	071	oct18
ZA560	i/a EGXT	ex std TST	082	may18
ZA556/047	IX(B)sq	ex 31sq/047	075	jun18
ZA585/054	i/a EGWC	ex std TST	091	oct18
ZA587/055	31sq	ex i/a EGYM	096	oct18
ZA597	TST	ex 31sq/063	116	oct18
ZA601/066	IX(B)sq	ex TST	124	oct18
ZA612	TST	ex 31sq/074	150	oct18
ZD716/DH	31sq	ex 31sq/084	341	nov18
ZD744/092	IX(B)sq	ex 31sq/092	371	jun18
ZD792	scrapped	ex std TST	402	oct18
ZD848/109	IX(B)sq	ex 31sq/109	441	jun18
ZD849	i/a EGWC	ex TST	444	oct18
ZG752/129	31sq	ex TST	868	oct18
ZG775/AF	IX(B)sq	ex 31sq/134	907	oct18
ZG791/137	IX(B)sq	ex 31sq/137	913	jun18

In October 2018, ZG775 was painted in a special Tornado farewell c/s with a black spine and fin. Applied on the vertical fin are the large green bat IX(B)sq unit markings with code "AF" in the upper right part. Pictures of the jet were first published on RAF official social media during the first week of November. In that same month a second Tornado appeared in almost same special colours, only now adorned with 31sq markings below the cockpit and the 31sq-Gold Star painted

large on the vertical fin. It is coded "DH", and a golden stripe is painted along the spine with the words "31 squadron Tornado 1984 - 2019". A third example will reportedly be painted in retro colours. Further details were not yet known when this edition went to press.

In the September issue of MAR, it has been reported that only five Tornado GR4 aircraft remain at RAF Leeming:

ZA369	awaiting RTP, still mostly intact
ZA462	awaiting RTP, still mostly intact
ZA559	undergoing RTP
ZD713	awaiting RTP, still mostly intact
ZD741	completed RTP, stripped fuselage put up for disposal

By deduction, this means that the following aircraft are no longer in existence. All are believed to be sold as scrap after being stripped for spares: ZA370, ZA406, ZA458, ZA548, ZA550, ZD739, ZD890, ZG705, ZG707, ZG750, ZG773, ZG777 and ZG779. Early-December 2018, one more Tornado GR4 is due to arrive at RAF Leeming to be inducted into the RTP process.

While on the subject of RTP, at RAF Marham ZD792/100 was inducted into the RTP programme with the TST on 4 September 2018. The aircraft was in storage with TST since 23 August 2018, and the stripped remains were removed for scrapping on 25 October 2018.

Typhoon T3

ZJ800	i/a BAe School	ex std TMU	BT001	oct18
ZJ802/802	3(F)sq	ex 6sq/802	BT003	sep18
ZJ807/807	6sq	ex 1(F)sq/807	BT008	oct18
ZJ810	std TMU	ex XI(F)sq/810	BT011	oct18
ZJ812/812	6sq	ex 29sq/812	BT013	oct18
ZK383/383	29sq	ex TMU	BT028	oct18

On 13 September 2018, dual-seat Typhoon ZJ800 was transported by road from RAF Coningsby to the Humberside where it will be used for ground instruction purposes by the BAe School. By mid-October 2018, ZJ810 was withdrawn from use and towed to the Typhoon Maintenance Unit (TMU) hangar where it will be inducted into the Return To Parts (RTP) programme. This leaves only three out of the sixteen Typhoon T3 aircraft with serials ZJ800 until ZJ815 active: ZJ802/802 (3(F)sq, l/n nov18), ZJ807/807 (6sq, l/n oct18) and ZJ812/812 (6sq, l/n oct18).

Typhoon FGR4

ZJ921/921	6sq	ex II(AC)sq/921	BS012	sep18
ZJ937/937	29sq	ex TMU	BS028	sep18
ZJ947/947	1(F)sq	ex 6sq/947	BS040	sep18
ZJ947/947	II(AC)sq	ex 1(F)sq/947	BS040	oct18
ZK300/300	XI(F)sq	ex 3(F)sq/300	BS052	oct18
ZK304/304	3(F)sq	ex XI(F)sq/304	BS055	oct18
ZK307/307	3(F)sq	ex TMU	BS058	nov18
ZK309	TMU	ex 29sq/307	BS060	oct18
ZK311/-	3(F)sq	ex XI(F)sq/-	BS064	oct18
ZK313/313	1(F)sq	ex II(AC)sq/313	BS070	oct18
ZK314/314	6sq	ex 1(F)sq/314	BS071	sep18
ZK317/317	3(F)sq	ex 29sq/317	BS078	nov18
ZK319/319	II(AC)sq	ex 1(F)sq/319	BS080	sep18
ZK322/322	29sq	ex 3(F)sq/322	BS083	nov18
ZK324/324	29sq	ex TMU	BS085	oct18
ZK325/325	3(F)sq	ex TMU	BS086	oct18
ZK327/327	XI(F)sq	ex 3(F)sq/327	BS088	oct18
ZK329/329	1(F)sq	ex 3(F)sq/329	BS090	sep18
ZK330/330	XI(F)sq	ex 3(F)sq/330	BS091	oct18
ZK333	TMU	ex 6sq/333	BS094	oct18
ZK340/340	3(F)sq	ex TMU	BS101	oct18
ZK344/344	II(AC)sq	ex 1(F)sq/344	BS105	sep18
ZK346/346	3(F)sq	ex XI(F)sq/346	BS107	oct18
ZK349/349	1(F)sq	ex II(AC)sq/349	BS110	oct18
ZK351/351	II(AC)sq	ex 1(F)sq/351	BS112	sep18
ZK352	TMU	ex 29sq/352	BS113	oct18
ZK354	TMU	ex XI(F)sq/354	BS115	oct18
ZK361/361	XI(F)sq	ex 3(F)sq/361	BS122	oct18
ZK362/362	II(AC)sq	ex 6sq/362	BS123	sep18
ZK364/364	6sq	ex 1(F)sq/364	BS125	oct18

ZK366/366	XI(F)sq	ex 3(F)sq/366	BS127	oct18
ZK371/-	29sq	ex 3(F)sq/-	BS132	oct18
ZK372/372	II(AC)sq	ex 1(F)sq/372	BS133	sep18
ZK427/427	XI(F)sq	ex 3(F)sq/427	BS143	oct18
ZK430/430	3(F)sq	ex TMU	BS146	sep18
ZK431	TMU	ex BAE EGNO	BS147	sep18
ZK434	TMU	ex BAE EGNO	BS150	oct18

Viking TX1

ZE528	GMS	ex 644VGS/VQ	33897	sep18
ZE532	GMS	ex Membury	33906	aug18
ZE553/WA	632VGS	ex 661VGS/WA	33912	sep18
ZE555/WC	644VGS	ex 632VGS/WC	33914	sep18
ZE585	GMS	ex Membury	33932	oct18
ZE587/WS	622VGS	ex 644VGS/WS	33934	sep18
ZE590	GMS	ex 621/637VGS/WT	33937	aug18
ZE600	Membury	ex std EGVL	33944	aug18
ZE601/XA	644VGS	ex GMS	33945	aug18
ZE601/XA	622VGS	ex 644VGS/XA	33945	oct18
ZE609/XJ	644VGS	ex 632VGS/XJ	33958	sep18
ZE613	GMS	ex Membury	33962	oct18
ZE614/XN	621/637VGS	corr, not 627VGS	33969	sep18
ZE628/XS	621/637VGS	corr, not 627VGS	33975	sep18
ZE682/YS	644VGS	ex GMS	34029	sep18

The following units were active again with Viking TX1 gliders by end-October 2018: 621VGS (RAF Little Rissington), 622VGS (RAF Upavon), 632VGS (RAF Ternhill), 637VGS (RAF Little Rissington), 644VGS (RAF Syerston) and 661VGS (RAF Kirknewton).

Army Air Corps (AR)

Apache AH1

ZJ170	Boeing	ex std ADSU	WAH5	aug18
ZJ179	663sq	ex ADSU	WAH14	oct18
ZJ181	653sq	ex 3/4Regt	WAH16	oct18
ZJ182	673(AHTU)sq	ex 663sq	WAH17	sep18
ZJ183	653sq	ex 664sq	WAH18	oct18
ZJ184	653sq	ex 663sq	WAH19	oct18
ZJ185	653sq	ex 664sq	WAH20	oct18
ZJ186	663sq	ex 3/4Regt	WAH21	aug18
ZJ189	656sq	ex 664sq	WAH24	sep18
ZJ190	662sq	ex ADSU	WAH25	oct18
ZJ192	653sq	ex 664sq	WAH27	oct18
ZJ194	664sq	ex 653sq	WAH29	sep18
ZJ195	ADSU	ex 673(AHTU)sq	WAH30	oct18
ZJ196	673(AHTU)sq	ex ADSU	WAH31	oct18
ZJ203	664sq	ex 663sq	WAH37	sep18
ZJ204	ADSU	ex 662sq	WAH38	sep18
ZJ205	653sq	ex ADSU	WAH39	oct18
ZJ207	7ASB REME	ex 653sq	WAH41	aug18
ZJ207	ADSU	ex 7ASB REME	WAH41	oct18
ZJ208	664sq	ex 656sq	WAH42	sep18
ZJ208	653sq	ex 664sq	WAH42	oct18
ZJ212	Boeing	ex std ADSU	WAH46	aug18
ZJ214	Boeing	ex std ADSU	WAH48	aug18
ZJ218	ADSU	ex 662sq	WAH52	sep18
ZJ219	Boeing	ex std ADSU	WAH53	aug18
ZJ221	653sq	ex 664sq	WAH55	oct18
ZJ226	653sq	ex ADSU	WAH60	sep18
ZJ230	ADSU	ex 673(AHTU)sq	WAH64	sep18
ZJ231	662sq	ex ADSU	WAH65	sep18
ZJ232	673(AHTU)sq	ex ADSU	WAH66	oct18
ZJ233	673(AHTU)sq	ex ADSU	WAH67	oct18

In August 2018, ZJ170, ZJ212, ZJ214 and ZJ219 were shipped to Mesa (AZ) where they were inducted into the AH-64E conversion programme.

Defender AL2

ZH003	651sq	see note	4017	nov18
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On 1 October 2015, ZH003 was struck by a vehicle while parked at RAF Brize Norton. After damage assessment, repairs commenced at RAF Brize Norton until the aircraft was able to depart to Lee-on-Solent in August 2018. At this location the repairs were completed and it was finally re-delivered back to its unit on 5 November 2018.



The Airshow China provided some updates for the China Air Force Database. One of the updates was J-20A 78232 which is assigned to the 172nd Brigade based at Cangzhou. (Zhuhai, 11 November 2018, Oscar Vis)

Gazelle AH1

XZ290	StandardAero	ex 665sq	1489	sep18
XZ340	StandardAero	ex 29Flt	1691	oct18
ZB679	665sq	ex StandardAero	1982	oct18
ZB689	StandardAero	ex 665sq	2002	sep18

Wildcat AH1

ZZ382	Leonardo	ex 1Regt	501	oct18
ZZ511	1Regt	ex std WST	509	oct18
ZZ520	1Regt	ex WZM	527	oct18

Fleet Air Arm (NY)

Hawk T1A

XX157	std EGOS	ex 736NAS	312003	oct18
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Merlin HM2

ZH832	EGDM	ex 823NAS/(5)81	RN12	oct18
ZH833	EGDM	ex MDMF	RN13	oct18
ZH840/(5)81	824NAS	ex MDMF	RN20	sep18
ZH847	814NAS	ex 820NAS	RN27	sep18
ZH850	EGDM	ex 814NAS	RN30	oct18
ZH851	MDMF	ex 824NAS/(5)84	RN31	sep18
ZH854	814NAS	ex 820NAS	RN34	sep18
ZH864	Leonardo	ex EGDM	RN44	oct18

The Merlin helicopters listed under Boscombe Down (EGDM) are undergoing mods with QinetiQ. Most will have arrived there earlier than the month mentioned here, but that is when they were confirmed present with QinetiQ. The arrival date at Boscombe Down of ZH850 was 9 October 2018.

Merlin HC3A

ZJ990/AA	845NAS	ex MDMF	50089	oct18
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Merlin HC4

ZJ134/S	845NAS	ex Leonardo	50183	oct18
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Sea King ASaC7

ZE422	std Gosport	ex 849NAS/(1)92	WA961	oct18
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As announced, the last Sea King ASaC7 was transported by road from RNAS Culdrose to Gosport.

Wildcat AH1

ZZ408	WZM	ex 847NAS	478	oct18
ZZ410	Leonardo	ex 847NAS	480	oct18
ZZ512	847NAS	ex std WST	510	oct18
ZZ523	847NAS	ex 1Regt	530	oct18

Wildcat HMA2

ZZ414	815NAS	ex WZM	484	oct18
ZZ514	WZM	ex 825NAS	519	oct18
ZZ517	WZM	ex 815NAS	522	oct18
ZZ518	WZM	ex 825NAS	523	oct18
ZZ531	825NAS	ex Leonardo	538	oct18

Ministry of Defence (GV)

As expected, some of the QinetiQ Air Fleet assets have been entered into the British Civil Aviation Administration register. Over the next few months QQ100 (A109E), QQ102 (BAe146-RJ70) and ZE416 (A109E) are also expected to follow.

BAe146-RJ100

QQ101	to G-ETPL	QAF	E3368	sep18
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DA42M-NG

QQ103	to G-ETPM	QAF	42-255	sep18
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H-125

G-ETPB	QAF	d/d 05oct18	8462	oct18
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The fourth and final H-125 was delivered to QinetiQ Boscombe Down on 5 October 2018. It returned to Airbus Helicopters at Kidlington on 28 October 2018.

PC-21

G-ETPB	QAF	d/d 16oct18 (ex HB-HYY)	311	oct18
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Squirrel HT2

The three Squirrel HT1 helicopters (ZJ246, ZJ248 and ZJ252) which were re-allocated back to their military identities and cancelled from the British civilian register on 6 September 2018, are now used by FB Helicopters at Newquay.

While on the subject of Squirrel helicopters, ZJ243 and ZJ244 were entered into the British Civil Aviation Authority (CAA) register as G-BWZS and G-BXMD respectively on 28 September 2018. Both were previously stored at Bournemouth.

Africa

Angola

Força Aérea Nacional de Angola (AF)

Ce501				
R-750	ex N54FT	501-0100/485	apr18	

A Cessna 501 was noted at Meggido, Israel, in January 2017, see Scramble 454 - Page 62. We assume this was the same aircraft as the aircraft that was noted in April 2018 as R-750.

Egypt

al Quwwat Al Jawwiya II Misriya (AF)

Ka-52
6600 111AW f/n DB, photo oct18

MiG-29M2
... 42sq/104TFW w/o 03nov18

Rafale DM
9259 34sq d/d 30oct18 **DM09** oct18

On this day at least another three aircraft left for Egypt. 9259 was one of them judging by the callsign used: EAF9259.

Equatorial Guinea

Equatorial Guinea National Guard (AF)

Russian Helicopters announced during the Zhuhai airshow in China that Kazan Helicopters produced and also already delivered two Mi-172 helicopters to the Government of Equatorial Guinea. One of the helicopters produced under the contract is has been delivered in the Salon VIP modification. The helicopter is designed for transportation of up to twelve passengers in greater comfort. The custom-made interior is equipped with all the necessary up-to-date hardware and uses high-quality materials. The second Mi-172 has been transferred in the passenger modification, it can transport up to 26 people in comfortable conditions. If the 226C03, which was noted in July 2016 and reported as destined for Equatorial Guinea, is one of these helicopters, is unknown for the moment.

Kenya

Kenya Air Force (AF)

AS550C3
1706 665sq f/n DB, photo oct18

Mali

Force Aérienne de la République du Mali (AF)

Tetras 912CSLM
TZ-410 reregistered as TZ-12R **158**
TZ-12R ex TZ-410 **158** nov18

Morocco

al Quwwat al Jawwiya al Malakiya Marakishiya (AF)

Ce560XLS+
CN-AMY Esc. de Tr. d/d 24oct18 **560-6253** oct18

CH-47D
CN-ALJ ex 88-00103 **M3277** oct18

The construction number of the above Chinook was checked during the airshow held at Marrakech at the end of October and so the tie-up with its former US Army serial is now known. The construction number of CN-ALK was already checked during the airshow in May 2016 and so we can say for sure now that CN-ALL must be the former 90-00196 with construction number M3348.

TB-21
CN-AZS Gendarmerie c/n confirmed **2176** oct18

Also the construction number of this TB-21 was checked at the Marrakech airshow and proves what was already assumed; that Trinidad TC is the former F-OIMK.

Royal Moroccan Navy (Marine Royale) (NY)

Beech 350ER
211/CN-TMR o/o ex N996ER **FL-996** apr18
CN-TMS o/o ex N607ER **FL-1007** apr18

During the sixth edition of the Marrakech airshow information could be found about the delivery of brand new Beech 350 King Air ER maritime surveillance aircraft to the Moroccan Navy. Both aircraft were produced late 2016 and the first aircraft arrived at Toulouse-Blagnac, France, on 24 September 2017, still wearing serial N996ER. It was noted in September 2018 in full colour scheme. The aircraft are both in Toulouse to have electronics and radar installed and to undergo tests. This month CN-TMR was photographed during a test flight with the Leonardo Seaspray EASA 7300 radar and FLIR camera installed. Some of the photos were also posted on the Scramble Facebook site and thanks to the attentiveness of one of the readers we also already have its Navy serial, 211. It was on the tail, covered by a white sticker. Both aircraft should be delivered by spring next year. Along with the delivery of the two new King Airs, the Navy should also receive two new Bell 412EPis.

Rwanda

Force Aérienne Rwandaise (AF)

ULLI = Sankt-Peterburg, Russian Federation

Mi-172
9XR-OQ Gvmt f/n ULLI **646C08** aug18

Senegal

Armée de l'Air Sénégalaise (AF)

Mi-24V
6W-HCA UNO-308P UN white c/s **830708** feb18

Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

Mi-2
307 f/n db, photo



Air support for the Airshow China was provided by Y-20As from the 4th Division and assigned to the 12th Air Regiment based at Chengdu. (Zhuhai, 12 November 2018, Jan Gerrits)

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Seen during landing at its homebase in Suwon is F-5 10-585 of the 201st Fighter Squadron. (19 November 2018, Robbert Snijders)

Tanzania

Jeshi la Wananchi la Tanzani (AF)

GCLP = Las Palmas-Gando (Gran Canaria), Spain

H225

... del. 16nov18 as F-WJXB **2734** nov18

The second Airbus H225 for the air force of Tanzania was noted on its delivery flight enroute Dar es Salaam at Las Palmas on 16 November 2018. Unfortunately this time all the markings, and so its serial too, were taped over.

Uganda

Uganda People's Defence Force (AF)

HUKJ = Kajjansi

Ce172S

AF-265 ex N20253 not yet noted **172S12018** nov18

AF-267 ex N20271 f/n HUKJ **172S12019** nov18

The construction number of AF-267 was checked at Kajjansi airport, the information about the other Cessna 172 came from Planebase.

L-29

U-511 std Aero Beach serial update nov18

Erwin Alexander was able to visit the Entebbe Aero Beach Club near the airport of Entebbe and he checked almost all the construction numbers and serials. To do that, like a real Indiana Jones he has to defy many huge spiders. Thanks a lot Erwin for your effort and a lot of respect. Unfortunately the construction plate of this L-29 in the left hand side main wheel bay was removed.

MiG-21MF

U-906 std Aero Beach c/n update **9911** nov18

U-908 std Aero Beach c/n update **9909** nov18

U-916 std Aero Beach c/n update **10001** nov18

... std Aero Beach c/n update **10002** nov18

U-906 is a first note at the Entebbe Aero Beach Club, it was last noted in September 2011 on the dump at the military area of Entebbe International airport. From U-916 we thought only the nose section was at the Beach Club, but thanks to Erwin we know now that the rear section is also there. From the last MiG-21 mentioned above only the forward fuselage is at the Aero Beach Club and unfortunately the serial was cut out. Most likely this will be U-917 but this tie-up with the construction number (10002) needs confirmation of course.

MiG-21UM

U-901 std Aero Beach c/n update **516925016** nov18

U-903 std Aero Beach c/n update **516969036** nov18

Zambia

Zambia Air Force (AF)

G650

AF001 o/o, as N635GD

6335 nov18

This Gulfstream 650 was first noted in full colour scheme, but still without its military serial, at Savannah (GA) on 24 July 2018. On 21 November, just before this Scramble's deadline, it was enroute to Zambia and made a stopover at Paris Le Bourget.

Asia

Afghanistan

Afghan Air Force (AF)

China started to train Afghan airman in late summer 2018. Around twenty Afghan Air Force military personnel were sent to an undisclosed location in China for training on the Harbin Y-12E. It is expected that two Y-12Es will be donated and delivered to Afghanistan early 2019.

The Y-12s in Afghan service will mainly be used for medical evacuation purposes at remote locations where their C-130Hs cannot land or their Cessna 208s are not sufficient enough. The Harbin Y-12E is an eighteen seat aircraft capable to land on rough terrain and is powered by two PWC PT6A-135A engines with four-bladed propellers.

Azerbaijan

Azərbaycan hərbi hava qüvvələri (AF)

B767-32LER

4K-AI01 Government **40432** nov17

Mi-17-1V

DQ-04 DQ camo c/s 18

DQ-05 DQ

DQ-06 DQ sep18

Mi-8PS-9

XDMX-007 XDMX **8699** aug18

MiG-29UB

.../20 bl w/o 29jan08 **50903012094** jan08

.../15 bl MIQ-29 Eskadrilya **50903007409** jun18

.../33 bl MIQ-29 Eskadrilya **50903010194** jun18

Su-25

.../06 bl mar14

Bangladesh

Bangladesh Biman Bahini (AF)

F-7BGI

2713 35sq c/n update **1154** nov18

China

People's Liberation Army Air Force (AF)

GJ-2
53130 WTC/UAV Brigade nov18

H-6K
11291 8th Div/24th Reg **02486** nov18
It is tempting to assume from the construction number that by now at least 86 H-6Ks are operational.

Il-76
20640 13th Div/38th Reg oct18
In total the PLAAF now operates twenty-five Il-76s in the transport role, in addition to four AWACS and four tankers and one engine testbed with CFTE.

J-10A
05 Ba Yi **J10A0717** nov18
In 2017 Ba Yi swapped all their dedicated J-10AY/SY aircraft for new J-10As and J-10Bs. The whereabouts of the old aircraft are still unknown.

J-10B
61168 5th Brigade **J10B0118** nov18

J-10S
12 Ba Yi **J10S0316** nov18
67620 61st Brigade oct18

J-11B
72123 111th Brigade **0228** oct18

J-20A
78230 172nd Brigade oct18
78231 172nd Brigade oct18
78232 172nd Brigade oct18
78233 172nd Brigade oct18

JH-7A
73179 126th Brigade **86022** nov18

JL-8
02 Red Falcon **0932035** nov18
03 Red Falcon **0932039** nov18
04 Red Falcon **1032001** nov18
05 Red Falcon **0932034** nov18
06 Red Falcon **0932036** nov18
07 Red Falcon **0932040** nov18
08 Red Falcon **0932033** nov18
09 Red Falcon **0932048** nov18
10 Red Falcon **0932038** nov18
12 Red Falcon **1032003** nov18

Some of these were already identified with the same c/n at the Chancun-Dafangshen airshow last September.

Q-5L
10369 wfu ex 5th Div/13th Reg **732011** nov18

Y-12D
6219 15th Airborne Army **122** nov18

Y-20U
Satellite pictures taken from Xi'an Yanliang indicate that a tanker version of the Y-20 has been developed and first flight can be expected soon. It is believed refuelling pods are mounted on the wings as well as on the fuselage, pretty much the same locations as on the Il-78. Recently four Il-78 tankers were obtained from Ukraine that are flying with 38th Regiment at Wuhan/Paozhuwan

Z-8KA
6025 15th Airborne Army oct18

Z-9WZ
6220 15th Airborne Army **Z9-0723** nov18

Z-10K
6324 15th Airborne Army nov18

Z-18
Pictures have appeared on the internet that yet another derivative of the Super Frelon has been produced by CHAIC at Jingdezhen. After the Z-8, Z-18 and AC-313 family, this time a wide body version has been developed reportedly looking like a Sikorsky S-92 frame. It is unknown whether the helicopter is intended for the civil or military market.

People's Liberation Army (AR)

Mi-17
LH953726 151st Brigade oct18

Mi-171
LH981710 74th Brigade nov18
LH962736 79th Brigade nov18

Mi-171E
LH911736 Xinjiang Brigade oct18
LH911756 Xinjiang Brigade oct18
LH911796 Xinjiang Brigade oct18

Mi-17V-5
LH961708 78th Brigade oct18
LH992719 72nd Brigade oct18

Z-8B
LH991879 71st Brigade oct18

Z-9A
LH905962/62 Training Regiment nov18
LH905980/80 Training Regiment **Z9-0171** nov18
LH905980 started its life with PLAAF as rocket-pod equipped Z-9W LH98966.

Z-9WZ
LH911901 Xinjiang Brigade oct18

Z-19
LH961596 78th Brigade oct18



The Guatemalan air force is slowly upgrading its fleet; after two Cessna 208Bs were delivered last September, two Piper Pa-28-181 Archer TXs were delivered late October. (433, PA-28-181TX, EMA, La Aurora, 9 November 2018, Carlos Alberto Rubio Herrera)

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In the days before the annual Mexican military parade on 15 September, our correspondent Enrique Giese was able to board a Fuerza Aérea Mexicana Boeing 737 to enjoy the rehearsals. In this picture, two of the FAM's type of Boeing 737s can be seen: in the foreground a Boeing 737-8ZY with serial 3528, and its classic predecessor the Boeing 737-2B7 with serial 3520.

Police (PO)

AW139

...

Tianjin Police o/o ex I-EAST

31842 nov18

India

Bharatiya Vayu Sena (AF)

Photos emerged from the first Rafale destined for the Indian Air Force. The aircraft, a Rafale DH with serial RB008, was seen during a formal ceremony at Dassault Aviation. The Indian Air Force has bought 36 Rafale fighter aircraft, divided in 24 single seaters (Rafale EH) and twelve dual seaters (Rafale DH). The first flight of the Indian Rafale was reported to have taken place on 30 October 2018.

The contract for the Dassault Rafale was signed on 23 September 2016. This government-to-government deal covers 36 aircraft that will be provided in a flyaway condition. The aircraft will be delivered starting September 2019 and deliveries will be completed by April 2022. However, it will be only in September 2022 that the full complement of the ordered Rafale fighters will be available with the India-Specific Enhancements in place.

Only one Rafale (RB008) will be supplied with all the India-Specific Enhancements. The balance of 35 aircraft will get these enhancements in India itself. The flight test and certification of the India-Specific Enhancements on Rafale DH RB008 will be complete within 67 months (until April 2022) of signing of the contract. The other Rafales cannot be equipped with India-Specific Enhancements unless the complete flight test is finished and the aircraft is certified to the new capabilities. By the time the first Rafale is certified with India-Specific Enhancements, 35 Rafales would have already been delivered to India.

The Indian Rafales will be based at Ambala AFS (state of Haryana) and Hashimara AFS (state of West Bengal). Construction work at Ambala AFS started in January/February 2018 and will see the setup of shelters, hangars, new operating surfaces, de-briefing room and maintenance facilities. Ambala AFS will also see the first batch of eighteen Rafales to be delivered. The first squadron is reported to be named Winged Arrows, which is the current name for 2sq/11Wg at Tezpur AFS flying with the Su-30MKI-3 Flanker.

On 9 November 2018, the Hindustan Aeronautics Ltd (HAL) HTT-40 basic trainer cleared its first spin test. Some more tests will follow before the HTT-40 gets its operational

certification, which is expected mid-2019. HAL expects production clearance by the end of 2018. The Defence Acquisition Council (DAC) has approved the purchase of seventy HTT-40s for the Indian Air Force. The trainer will join the current fleet of 75 Pilatus PC-7 Mk.IIs based at Dundigal AFS with the Training Command. Earlier, the HTT-40 had been rejected by the air force which opted for the Pilatus PC-7. Over the past months, HAL's Aircraft Research and Design Centre (ARDC) had conducted extensive wind tunnel tests and analysed mathematical models to arrive at the requirements of the spin test.

AH-64E

ZV4802	Boeing	registration N4802A reserved	oct18
ZV4803	Boeing	registration N4803H reserved	oct18

Jaguar IS

JS112	7Wg	ex o/h HAL	oct18
JS184		ex 6sq/33Wg	oct18

Mi-17-1V

Z3006	AHQCS	ex UNO 881	223M54 nov18
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Rafale DH

RB008	Dassault Avn	f/f 30oct18	nov18
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Su-30MKI-3

SB441		f/n	oct18
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Tejas LCA Mk1

LA5011	HAL	f/f 10oct18	SP-11 oct18
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Bharatiya Nau Sena (NY)

The Indian government has sent a letter of request (LoR) to fast track the acquisition of 24 MH-60R Seahawk anti-submarine helicopters. The proposal is to acquire the helicopters through the US Foreign Military Sales (FMS) channel. In 2011 the Indian government had sent out an RfI for a Multi Role Helicopter (MRH) to replace the Sea King for the Indian Navy. The approach at that point was a direct-sale of the similar Sikorsky S-70B Seahawk, but this programme failed over drawn-out price negotiations.

The new move via the FMS channel is the first step towards an expanded requirement detailed by the Indian Navy in 2017 for 123 medium multirole helicopters to replace the Sea King Mk42B and UH-3H Sea Kings. On 23 August 2017, India's Ministry of Defence issued a global request for information (RFI) worth US\$ 10 billion for 123 multirole helicopters and 111 multi-utility helicopters for the Indian Navy. The RFI has been sent to Lockheed Martin (which has acquired Sikorsky) and Bell Helicopter, Airbus Helicopters and to an unknown

Russian Helicopter factory.

Do228-201

IN236	unit nn	ex INAS311	4075	nov18
IN245	INAS550	ex INAS311/VVZ	4084	nov18
IN253	INAS311	f/n		nov18

Bharatiya Thatrakshak (CG)

Do228-101

CG762	CGAS744	ex unit nn	3022	nov18
CG764	CGAS700	f/n	4049	nov18

Do228-201

CG779	CGAS745	ex CGAS744		nov18
CG780	CGAS745	f/n		nov18
CG783	CGAS747	ex unit nn		nov18

Do228-202

CG788	CGAS745	ex CGAS744		nov18
CG789	CGAS744	f/n		nov18

Indonesia

Tentara Nasional Indonesia-Angkatan Udara (AF)

WARJ = Jogjakarta/Adisucipto

WICC = Bandung/Husein Sastranegara

WIHH = Jakarta/Halim Perdana Kusuma

WIHK = Suryadarma/Kalijati

The air force academy is getting three KT-1B. They may have been obtained as attrition replacements.

Again Instagram and Googlephotos proved invaluable in tracking down more preserved and instructional aircraft.

AS202/18A3

R-227 i/a Maospati ex PK-AFS, LM-2027 210 nov17

Maospati is the village bordering Iswahyudi air base in Madiun. The Bravo rests under a corrugated roof of the SMK Penerbangan Angkasa Maospati that is on the road where the base gate is situated too, S7.61212, E111.45741.

Ce180

L-182 pres WIHK ex std WICC jul18

It is mounted on a pole outside the gate next to Lockheed 12 T-303.

SF260WS / SF260MS

LK-2601	pres Ngawi	f/n 25jan18	apr18
LK-2602	i/a WIHH	f/n dec14	apr18
LK-2603	i/a WIHK	f/n jul17	oct18
LK-2605	i/a WIHH	f/n dec14	apr18
LK-2606	pres WIHH	f/n jan17	may18
LK-2607 (MS)	pres Salatiga	f/n 28dec17	jun18
LK-2611 (MS)	i/a Malang	f/n 31may16	may18
LK-2612	fate?	ex pres Bandung	oct15

Some Marchettis have been dispersed over the past few years. These were known to the 'intimates' but we had not reported them yet. First up is LK-2601 in a small playground,

Taman Sulowati, in Ngawi, S7.40611, E111.45170. Two are instructional at the Air Marshal Suryadarma University, Campus A, on the Northwestern edge of Halim airport and a single one is instructional at Kalijati. On the Northern edge of Halim, the psychology department has pole-mounted LK-2606 since January 2017, S6.2511, E106.88826. Guarding the entrance to Salatiga's city park, or Taman Kota, is LK-2607 sitting in its own pond, S7.35475, E110.48195. The one at Malang is instructional inside the SMK Penerbangan Angkasa, S7.89645, E112.68334. Another SF260 sits on a roof in Nyambu village, S8.57574, E115.14541 marked 'Jupiter 204', its real identity is unknown to us.

Hawk T53

TT-5312	pres Bandung	ex std, f/n mar16	jul18
TT-5314	pres Kota Raha	ex std, f/n feb17	apr18
TT-5316	pres Surabaya	ex std, f/n sep16	apr18

Three Hawks that we lost track of, were rediscovered. Bandung-based air force staff school, Sekolah Staf dan Komando Angkatan Udara (SESKO), used to have an SF260 as gate guard until October 2015; but upgraded to a Hawk, S6.93357, E107.62927. Kota Raha has a monument on their newly erected boulevard. Transported to Muna Island 5 January 2017, it was installed by February 2017 at S4.84655, E122.72690. In Surabaya the Pusdiklat Hanudnas has a Hawk at S7.24932, E112.79295. All have been preserved since a couple of years already.

PZL-104

IN-012 FASI f/n WIHK aug17 jul18

Obviously, this has been around much longer.

SGS-1-26B

G-1103	FASI	f/n, ex G-...	mar18
G-1211	FASI	f/n, ex G-...	oct15
G-1403	FASI	f/n, ex G-...	oct18
G-1601	FASI	f/n, ex G-...	oct18
G-1603	FASI	f/n, ex G-...	oct15
G-1801	FASI	f/n, ex G-...	oct15

Some have an early production rounded tail, others have a squared-off tail. We believe all are B-models though.

SGU-2-22C

G-1207	FASI	f/n, ex G-...	oct18
G-2602	FASI	f/n, ex G-...	oct18

More four-digit glider registrations surfaced.

T-34C-1

LD-3405 i/a WARJ f/n, ex SkaDik102 wfu GM-53 nov17

Further to Scramble 472 - Page 59, the 'missing' Mentor has surfaced as instructional airframe at the SMK Penerbangan Adisucipto, about 500 metres West of the TNI-AU museum. T-41D LM-4188 still guards their gate (last noted October 2018).



Freshly painted in the colours of this new operator is C-130H 702 climbing out of Cambridge Airport. The aircraft was formerly flying with the Royal Air Force as ZH886. (26 October 2018, Matt Varley)

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Tentara Nasional Indonesia - Angkatan Darat (AR)
SEKBANG = Sekolah Penerbang

Bell 205A-1
HA-5088 pres Semarang ex 1SKUAD sep18

DHC-2
U-3033 pres Semarang sep18
The Bell and Beaver are at the barracks of Pusdik Penerbad, adjacent to the South side of Achmad Yani airport. Mi-4 H-5008 completes the row of three preserved aircraft here since July 2016.

H300C
HL-4192 SEKBANG f/n 2018
HL-4195 SEKBANG f/n 2017
These were obviously delivered a while back, just not reported active at Semarang yet.

Japan

Nihon Koku-Jieitai (AF)

RJAH = Hyakuri	RJNA = Nagoya/Komaki
RJNG = Gifu	RJNY = Shizuhama
RJOE = Akeno	RJTL = Shimofusa
RJTU = Utsunomiya	
ADC = Shireibu Hikotai	ADTW = Hiko Kaihatsu Jikk.
AGG = Hiko Kyodogun	ARS = Kyunantai
ARTS = Kyunan Kyoikutai	ARW = Koku Kyunandan
ATS = Kyoiku Kokutai	FTS = Kyoiku Hikotai
FTW = Hiko Kyoikudan	SW-ADF= Nansei Shien Hik.
nmks = no tail unit-number	

Nihon Koku-Jieitai (AF)

C-1
58-1012 wfu Iruma stored, no tail/engines **8012** nov18
58-1013 wfu Iruma stored engineless **8013** nov18
88-1028 o/h RJNG nb/test, ex 402 Hikotai **8028** nov18

Follow up on last month's issue. C-1s 012 and 013 were seen at the Iruma air show, parked on the east side. C-1 028 will return to 402 Hikotai after overhaul.

C-130H
75-1078 o/h RJNG nb, camo c/s **382-5109** nov18
Now only one Hercules is still in the light blue colours being KC-130H 85-1080.

F-2A
13-8514 o/h RJNA nb, ex ADTW **1014** oct18
93-8545 o/h RJNA nb, ex 6 Hikotai **1045** oct18
93-8548 8 Hikotai ex nb/IRAN **1048** nov18
93-8553 8 Hikotai ex ADTW **1053** oct18
03-8555 8 Hikotai ex 3Hik? ex nb/IRAN **1055** oct18

F-2A 555 was supposedly destined for 3 Hikotai, however no pictures were found on the net. It was flying with 8 Hikotai by August 2018.

F-4EJ
17-8301 ADTW ex IRAN **4038/001** nov18
87-8409 Gifu on static, digi c/s **M109** nov18

F-15DJ
12-8076 AGG ex IRAN nov18
52-8088 203 Hikotai nb, ex IRAN nov18
92-8094 AGG grey/blue camo nov18

F-15J
42-8831 305 Hikotai prev. l/n 4dec16 **031** oct18
52-8853 ADTW ex 201 Hikotai **053** nov18
52-8856 o/h RJNA nb, ex 203 Hikotai **056** nov18
52-8862 23 Hikotai ex nb/IRAN **062** oct18
62-8872 o/h RJNA nb, test, ex 305 Hikotai **072** nov18
72-8888 o/h RJNA nb, ex 305 Hikotai **088** nov18
82-8899 201 Hikotai ex 204 Hikotai **099** nov18
82-8905 204 Hikotai ex IRAN **105** nov18
22-8938 o/h RJNA nb, ex 304 Hikotai **138** nov18
82-8965 204 Hikotai ex nb/IRAN **165** nov18

We were wondering on the whereabouts of F-15J 831 which had a last note of December 2016. After almost two years it resurfaced, still at Nyutabaru with 305 Hikotai, but why was

it not seen for all those months? It did not receive recent overhaul as its paint showed all the signs of operational use, no recent new paintjob.

F-35A
89-8711 Mitsubishi HI f/n, test Nagoya **AX-11** nov18

CH-47J
27-4488 o/h RJNA test, ex Kasuga **5065** nov18

UH-60J II
88-4608 Mitsubishi HI f/n, test RJNA **2058** nov18

T-4
66-5604 ADTW ex IRAN **1004** nov18
86-5609 31 FTS ex IRAN **1009** nov18
96-5620 o/h RJNG nb, ex 305 Hikotai **1020** nov18
96-5622 ADC ex IRAN? ex 21 Hikotai **1022** nov18
96-5625 SW-ADF ex IRAN? ex 3 Hikotai **1025** nov18
06-5641 1 Kokudan ex 13 FTW **1041** nov18
06-5652 303 Hikotai ex IRAN/store, ex 32FTS **1052** oct18
26-5685 32 FTS ex IRAN **1085** aug18
26-5686 11 Hikotai ex IRAN **1086** nov18
46-5726 Kawasaki HQ ex 11Hik/BlueImpulse **1126** nov18
06-5789 ADC ex IRAN, ex 13 FTW **1189** oct18

T-4 641 is promoting the Rugby World Cup 2019 featuring basic 13 FTW red/white colours and additional stickers. It was officially revealed at the Hamamatsu Air Festa. T-4 652 was one of a number of this type not seen for some time. We have twelve T-4s in our database with unit 'unknown' and these all have a last note of 2016 and earlier. First T-4 on display is former Blue Impulse #1, 46-5726. Not at Matsushima but (possibly?) inside the lobby of the Kawasaki Heavy Industries HQ at Gifu. It is not known if it is on permanent display or in a temporary exhibition. And Shireibu Hikotai at Iruma received a second T-4 in the 13 FTW red/white colours, 06-5789 was delivered to the unit after receiving overhaul at Gifu.

T-7
46-5917 11 FTW ex nb/IRAN **17** nov18
56-5930 12 FTW? rep. at RJNY aug18 **30** jun18
56-5931 o/h RJTU nb, ex 12 FTW **31** oct18

T-7 930 was reported engineless inside a hangar at Shizuhama, home of 11 Hiko Kyoikudan. Awaiting further confirmation.

U-125A
52-3001 o/h RJTU nb, ex ARTS **258245** nov18
62-3004 ARW at Naha, ex ARTS **258268** nov18
82-3008 ARW no sticker, ex IRAN **258325** nov18
92-3026 RJAHSARS unit confirmed **258797** nov18

All U-125As in our database with Koku Kyunandan (ARW) as unit do not carry any unit-name stickers. Fortunately some aircraft still do receive these name stickers as U-125A 026 proves.

X-2
51-0001 Gifu hangared nov18
Still around, not scrapped(yet?) and seen at the Gifu open house inside a hangar.

Rikujo Jieitai (AR)

AH-1S
73436 VATH ex IIIATH(l/n nov14) **36** nov18
Noted at Utsunomiya.

OH-1
32623 MH ex VATH **1023** oct18

The majority of the fleet is still grounded, however sometimes one is put on display. JG-2623 was noted at Yao with extra 60th anniversary stickers applied. Further searching the net came up with more photos of this Ninja with MH code and confirmed that already in October 2015 it was operating from Yao with Chubu Homen Herikopotatai.

UH-1H
41702/MH i/a Yao **1H102** oct18

Also seen at the same venue as the Ninja above and probably for instructional use. Also since at least October 2015 in this

role.

UH-1J

41824	MH	ex no unit code	1J24	feb18
41838/838	UtsunomiyaKou	no unit code, ex NEH	1J38	nov18
41905	? Hikotai	unit nn RJOE, ex I	1J105	nov18

JG-1905 was seen flying at the Akeno open house, unfortunately the door with the unit-code was folded into the main cabin so not visible. The 1 Hikotai '1D' badge was removed so probably a unit change, possibly to 'X' or 'SD'.

CH-47J

52924	HGPVI	converted to CH-47JA	5036	apr17
52932	MH/3 Hikotai	ex XIIIH	5047	oct18

CH-47JA

52924	HGPVI	converted from CH-47J	5036	nov18
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Kaijo Jieitai (NY)

SH-60J

8296	24 Kokutai?	ex IRAN(oct17)	1215	sep18
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Seen at Komatsushima.

UH-60J

8969	21 Kokutai	ex 73 Kokutai	3009	nov18
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SH-60K

8417	212 ATS	ex IRAN	5017	nov18
8421	212 ATS	ex 21Kok	5021	oct18
8443	o/h RJNA	nmks, ex 21Kok	5043	nov18

P-1

5518	3 Kokutai?	nmks, ex KHI	18	nov18
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P-3C

5036	5 Kokutai	ex 2 Kokutai	9033	nov18
5066	? Kokutai	nmks RJTL, ex 1 Kok	9063	nov18
5074	o/h RJNG	nmks/test, ex 2 Kok	9071	nov18
5084	2 Kokutai	ex IRAN? ex 1Kok	9081	sep18
5087	5 Kokutai	ex nmks	9084	nov18
5091	2 Kokutai	ex 5 Kokutai	9088	sep18

Kaijō Ho'an-chō (CG)

We have updated our Japan Coast Guard (JCG) OrBat and included all the aircraft/helicopter names given by their Region in Hiragana characters and the corresponding Western character equivalent. This is not a clue to the pronunciation and translation.

All flying assets receive a name specific for type, Region and Air Station or ship. If an asset is transferred to another Region (or base/ship) it will receive the name specific for that new Region. New types will receive new names, sometimes chosen after consulting the public but it always has something to do with fauna found in that Region. So if possible try to decipher the Hiragana name to find the unit.

All Bell 212s have been withdrawn and these have been replaced by the S-76D on ships and the AW139 on some Air

Stations. As the JCG is in the process of receiving new large ships able to carry helicopters, some older ships moved to new home-ports. 11th Region in the South (Okinawa etc.) gained two large ships, 10th Region gained one very large ship and 3rd Region received the newest asset PLH32.

AS332L1

JA6686/MH686	10th Region?	"U.mi.ta.ka"	2350	sep18
JA6806/MH806	10th Region?	"U.mi.ta.ka"	2451	oct18

Both are assigned to PLH31/Shikishima which was transferred from 3rd Region to 10th Region, however most recent photographs of these helicopters are still from the Tokyo area and not the Kagoshima area as expected. Also their name 'Umitaka' is still the name of its previous Region.

Kazakhstan

Sil Vozdushnoy Oborony Respubliki Kazakhstan (AF)

Mi-35M1

.../05 rd				sep18
.../07 rd				sep18

Su-30SM

.../07 rd	604 AB			dec17
.../08 rd	604 AB			dec17

Z242L

.../01 ye	Mil. Inst. of Air Defence			aug17
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0815

.../02 ye	Mil. Inst. of Air Defence			aug17
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0816

Kazakhstan Border Guard (GV)

Beech 350i

35001	Border Guard		FL-1152	oct18
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Myanmar

Tamdaw Lay (AF)

Early November 2018, the Russian Federation offered Myanmar six additional Yak-130 advanced jet trainer/light attack aircraft, as Rostec Corporation announced at this year's Zhuhai air show (China). In June 2015, Myanmar signed a contract for six Yak-130s. The first batch of three aircraft arrived in Myanmar in 2016, three more followed in 2017. Early 2018, it was announced that six more Yak-130s will be ordered. These six were an option within the 2015 contract. Strikingly, during the Zhuhai air show, it was reported that Myanmar already received ten Yak-130s. At this moment we are only aware of six aircraft delivered so far. If you have additional information, please let us know.

Pakistan

Pakistan Fiza'ya (AF)

C-130E

4180	6(ATS)sq	w/o 09nov18	4180	
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A very nice military visitor last month at Schiphol was this C-17A KAF342 of the Kuwait Air Force. (13 October 2018, Peter Heeneman)



Lebanon Air Force SA342 Gazelle L-815 was photographed by Jim Walg during an excellent visit to the Air Force School at Rayak Air Base. (20 June 2018)

JF-17 (Block-II)

16-224	26(MR)sq	c/n update	FC10224	nov18
17-245	26(MR)sq	c/n update	FC10245	nov18

MFI-395

91-6329	Nur Khan SF	f/n, ex MFI-17	15.329	oct18
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Philippines

Pilipinas Hukbong Katihan (AR)

On 13 September the Rotary Wing Transition Course Class 1-2018 of the 102nd Army Aviation Battalion at Fort Magsaysay opened. Four fixed wing Army pilots were taken in the class and they are supposed to be converted to helicopter pilots in anticipation of the helicopters the Army will soon be ordering.

Pilipinas Hukbong Dagat (NY)

AW59 Wildcat Mk220

...	ex ZZ549	o/o ff	1nov18	oct18
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In 2016 the Navy ordered two Wildcat Mk220 helicopters, the first of which has just entered the flight test stage. Both helicopters will be used in the ASW/ASuW role. It is planned that both helicopters will become operational in March 2019. Before that, pilot training flights at Yeovil can be expected.

Singapore

Republic of Singapore Air Force (AF)

A330-243MRTT

763	o/o	full c/s	1822/MRTT036	oct18
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The third Airbus 330 for the air force of Singapore was noted in full colour scheme during departure from Manching-Ingolstadt, Germany, to Getafe in Spain.

PC-21

9101	130sq	c/s tail	109	nov18
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On 12 November, Senior Minister of State for Defence, Mr Heng Chee How, visited the Republic of Singapore Air Force (RSAF)'s Flying Training Institute (FTI) Detachment in Pearce, Australia, for their 25th anniversary celebrations and unveiled the commemorative PC-21 aircraft tail fin celebrating this milestone. The RSAF signed a Memorandum of Understanding (MOU) with the RAAF to establish the flying training detachment at RAAF Base Pearce (WA) in March 1993. In 2017, Minister for Defence Dr Ng Eng Hen and then-Australian Minister for Defence Marise Payne signed the "Agreement concerning the RSAF Flying Training Institute Detachment at RAAF Base Pearce" (Pearce treaty) as an upgrade to the MOU. The Pearce treaty extends the RSAF's training access at RAAF Base Pearce for another 25 years until 2043.

South Korea

South-Korea is looking into a Spanish proposition to swap aircraft. Spain likes to reduce the number of A400Ms it has on order and is willing to trade in surplus aircraft against acquiring KAI KT-1 and T-50 training aircraft.

Han Guk Gong Gun (AF)

A330MRTT

18-001?	at Gimhae	arr 12nov18	1787	sep18
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First of four ordered. Entered an acceptance and evaluation programme in South-Korea and after successful completion will be handed over to the RoKAF. Is it already officially registered as 18-001 or still operating with a temporary Spanish registration?

F-35A

18-004	at Ft.Worth	f/n	AW-04	sep18
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Han Guk Yuk Gun (AR)

Some KUH-1 Surions are allowed to fly again after the MUH-1 crash in July 2018. After X-ray examinations and other checks, four aircraft have resumed flights.

CH-47D

800089	re-serialled	M3263	oct15
880089	(G-510 Icheon)	M3263	oct18

Photoproof. TX..... Another Chinook re-serialLed so it is now more in line with its previous US Army serial 88-00089.

Tajikistan

L-39C

.../57bl	oct18
.../59bl	633707 oct18
.../61bl	633722 oct18
...	633727 oct18

Uzbekistan

Uzbek Air and Air Defence Force (AF)

MiG-29S

.../30 wh	sep18
.../20 wh	aug18
.../24 wh	aug18

MiG-29UB

.../61 wh	sep18
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Su-25

.../19 wh	sep18
.../31 wh	sep18

Su-25UB

.../52 wh	sep18
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Su-27S

.../27 wh	sep13
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Latin America

Argentina

Fuerza Aérea Argentina (AF)

Ce206

PG-396 std Chaco ex RACE **206-0254** sep18

Comando de Aviación de Ejército Argentino (AR)

MNA = Museo Nacional de Aeronáutica, Morón, BA

A109A

AE-335 pres MNA **7148** aug18

AB206B-1

AE-310 Leonardo ex MM81038/CC-74 **9192** oct18

Currently nine AB206 have arrived in Argentina and are being worked on at the FAdE for delivery in 2019.

Bolivia

Fuerza Aérea Boliviana (AF)

DA40CS

FAB-527 GAE-21 w/o 04oct18 **40.802**

Brazil

Segurança Pública (PO)

H135

PP-ARY Polícia Ceara **2035** oct18

PR-EBS Polícia Ceara **2048** oct18

Colombia

Fuerza Aérea Colombiana (AF)

OV-10A

FAC2221 pres Santa Marta, ex ESCOM 103 **305A-134** dec16

The serial of the Bronco at Club de Suboficiales Los Trupillos became known.

Policía Nacional de Colombia (PO)

AT-802

PNC-4003 to N8513Q canx by DOS **802-0127** aug17

PNC-4004 to N8513V canx by DOS **802-0128** oct17

PNC-4009 to N8520Z canx by DOS **802-0184** oct17

PNC-4016 to N90WW ex N20722 **802-0489** jun17

PNC-.... to N41646 canx by DOS **802-0246** oct17

PNC-.... to N30675 canx by DOS **802-0568** jun17

PNC-4002 ex N8513H canx 09jun17 **802-0126**

PNC-4006 ex N8514J canx 09jun17 **802-0131**

PNC-.... ex N41640 canx 09jun17 **802-0244**

PNC-.... ex N41642 canx 09jun17 **802-0245**

PNC-.... ex N41653 canx 09jun17 **802-0268**

PNC-.... ex N41658 canx 09jun17 **802-0271**

PNC-.... ex N41664 canx 09jun17 **802-0272**

All were on the FAA-register with the US Dept of State (DOS) and deployed to Colombia wearing PNC-serials. The first four were sold at a GSA auction and registered to new civil US-owners. The second pair, for which no PNC-serials are known, were also sold and registered to their new civil US-owners. The last seven were cancelled from the FAA-register on the same date and donated to the PNC. However, we do miss one, as a total of eight aircraft have been donated.

Cuba

Defensa Anti-Aérea y Fuerza Aérea Revolucionaria (AF)

Russian newspaper Kommersant reports that Russia has issued a loan to enable the Cuban government to spend about USD 50 million worth on military equipment. Various types of equipment were mentioned, including aircraft and helicopters, although it remains to be seen what can and will actually be bought with just USD 50 million...

Ecuador

Aviación del Ejército Ecuatoriana (AR)

Ce182R

... ex N4708S ntu **182R-01394**

This was never taken up, and in Scramble 422 - Page 89 we erroneously listed the former registration as 'N4078S' adding to the confusion.

Maule MT-7-235

AEE-610 to HC-CNJ ex ESEA-15 **18050C** dec16

AEE-615 to N814MG ex ESEA-15 **18051C** oct14

AEE-620 ESEA-15 w/o 01nov06 **18052C**

The Maules were likely both sold off. The first one was checked as '180500' but that should be 18050C. The second one was registered in the US on 15 December 2017 and is for sale again. That is not the former HC-CNJ as some sites mention, as that one is still current in Ecuador.

Guatemala

Fuerza Aérea Guatemalteca (AF)

The two new Cessna 208B Grand Caravan EXs are operated by the Escuadrón de Enlace y Reconocimiento (EER), which translates to Liaison and Recce Squadron.

PA-28-181

400 ex N80052 d/d 26oct18 **28-81065**

433 ex N80058 d/d 26oct18 **28-81066**

Two brand new Piper Archers were delivered to La Aurora, for use with the Escuela Militar de Aviacion (EMA). They had received their new serials after about two weeks.

PA-34-200T

611 f/n nov18



Top Aces provides Red Air simulations for the Royal Australian Air Force and was temporary based at Williamtown to train with the local RAAF Hornets. (23 October 2018, Erik van Ratingen)

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Canadian frigate HMCS Ville de Quebec is the first ship to be deployed with a CH-148 Cyclone helicopter. During a port visit to Amsterdam the CH-148 was only visible through the open hangar door, but Martin Uleman took his chance when the frigate left through the North Sea Channel and captured it on deck at Velsen-Zuid. (148823, CH-148, 12 Wing, 13 November 2018)

Honduras

Fuerza Aérea Hondureña (AF)

Ce208B EX

... ex N190TW canx 05nov18 **208B-5461**

Jamaica

Jamaica Defence Force (DF)

Beech 350ER

JDF T-11 ex N1083B h/o 15nov18 **FL-1083**

DA40-F

JDF A-11 JMAS f/n nov18

Mexico

Fuerza Aérea Mexicana (AF)

MMGL = Guadalajara IAP (Jal)

MMSM = BAM Santa Lucia (Mex)

MMVR = Veracruz/BAN Las Bajadas (Ver)

CECyT 17 = Centros de Estudios Científicos y Tecnológicos 17

CENTA = Centro Nacional de Tecnologías Aeronáuticas

CONALEP = Colegio Nacional de Educación Profesional Técnica

ITH = Instituto Tecnológico de Hermosillo (Son)

UACJ = Universidad Autónoma de Ciudad Juárez (Chi)

UTN = Universidad Tecnológica de Nezahualcóyotl (Mex)

UTT = Universidad Tecnológica de Tijuana (BCN)

The Ministry of Defensa of Mexico (SEDENA) has adopted the policy to bring the army closer to the people. As a result, more and more aircraft are donated to various institutions and parks around the country. We have included the abbreviations of the civil institutions to aid in finding these gems.

B727-14F

3504 pres Tlaxcala h/o 03aug18 **18909**

This classic has been donated to the municipality of Tlaxcala (Tla) to be preserved near the lagoon of Acuitlapilco.

Bell 206B-3

... i/a El Marques h/o 15feb17
1608 pres UTN h/o 22oct16 **3979**
1616 i/a UACJ h/o 14dec17
1631 pres Temamatla f/n, ex active

The local CONALEP in El Marques (Que) received an unmarked Bell 206. The 206 in Temamatla (Mex) is one of three preserved at Campo Militar 37B.

Bell 206L-3

1670 pres Cd Fernandez, h/o 18may17

This Long Ranger was mounted at the local sports club of Ciudad Fernandez (SLP).

Bell 212

1413 i/a UTT h/o 26oct18 **35006**

1427 pres Temamatla f/n, ex active **36025** jan17
The helicopter in Temamatla (Mex) is at Campo Militar 37B.

Ce182S

.... i/a UACJ h/o 14dec17
.... pres Francisco I. Madero, ex EA.108
5435 i/a El Marques h/o 13mar18 **182-80612**
5462 i/a CENTA h/o 08aug18
5470 i/a UTT h/o 26oct18
5492 reregistered to 6392
6392 pres Cd Fernandez, h/o 18may17

On 08 November 2017, an unknown Cessna was pole mounted on the Plaza Ejército Mexicano in Francisco I. Madero (Coa). The Skylane at El Marques (Que) is with the local CONALEP and the one with CENTA is in Colón (Que). The Skylane in Ciudad Fernandez is at the local sports club of El Refugio.

F260EU

6111 i/a Cancun h/o 20jun17 **6903/EM011**

The Macchi is with CONALEP III in Galaxios del Sol, Cancun (Roo).

PC-7

2516 i/a UTN h/o 10dec17 **201**
2525 i/a ITH h/o 21feb18 **210**

PC-7 2525 made a hard landing near Hermosillo (Son) on 21 February 2012, and has been donated to the local ITH.

Armada de México – Fuerza Aeronaval (NY)

C212-400

AMP-113 pres MMVR ex active sep18

MD902

AMHP-131 re-registered as ANX-2131 **900-00067**
ANX-2131 f/n, ex AMHP-131 **900-00067** sep18

Mi-17V-5

ANX-2224 w/o 20oct18

Procuraduría General de la Republica (PO)

A109S

XC-LON for sale **22055** jun18

Bell 206B-3

XC-HHG std MMGL for sale **4141** jul17
XC-JDG std MMGL for sale **4006** jul17

Bell 206L-3

XC-JBK std MMGL for sale **51603** jul17

Bell 206L-4

XC-LFN std MMGL for sale **52233** jul17

Gobiernos Estatales Mexicanos (GV/PO)

AS350B-3e

XC-LPE Edo de México f/n **8414** apr18

Bell 206

XC-PEP Edo de BC d/d 06sep18

Bell 206B-3			
XC-CFK	re-registered as XC-TLX		3440
XC-TLX	Edo de Tlaxcala f/n, ex XC-CFK		3440
Bell 407			
XC-CUU	Edo de Chihuahua, sold to XB-...		53837 may18
Ce500			
XC-GTO	i/a CECyT 17 h/o 20apr18		500-0396
The Citation was donated to CECyT 17 in León de los Aldama (Gua).			
EC135T1			
XC-ZAC	Edo de Zacatecas, for sale		0123 dec17
Falcon 20F			
XC-GDH	Edo de Hidalgo f/n, ex XC-SON		393 feb17
XC-SON	Edo de Sonora to XC-GDH		393
R44			
XC-LMU	Edo de Colima for sale		13180 jun17
RC690C			
XC-TDT	Edo de Hidalgo f/n, ex XC-IFA		11609 feb17
Stemme S10VT X			
XC-LLY	Edo de Colima c/n update		11-128

Peru

Fuerza Aérea del Perú (AF)

C-27J			
332	Esc844	c/n update	4194
Mirage 2000P			
050	Grupo 4	c/n update	41
Mirage 2000DP			
195	Grupo 4	c/n update	47
Policía Nacional del Perú (PO)			

CeR172H

PNP-262 DIRAVPOL f/n oct18
Likely an impounded drug runner, it is white with a blue cheatline. Its construction is not declared in the insurance valuation dated September 2017.

Middle East

Iraq

Iraqi Air Force (AF)

F-16C-52-CF			
1608	152nd FS/162nd FW, f/n		RA-02 oct18
Six additional Korean Aerospace Industries (KAI) T-50IQ aircraft arrived in the harbour of Basra (Iraq) on 28 October 2018. The freight will be transported to al-Basra/Shaiabah air base (Iraq). This batch brings the Iraqi T-50 fleet up to eighteen aircraft. Six to go to complete the order. The T-50IQs are assigned to the Flying Training Wing, 204th Training squadron. Initially the 204th was bound to be stationed at			

Tikrit/Al Sahra but in late 2017, the T-50IQs were delivered to al-Basra due to security concerns at Tikrit. It is unknown to us if the squadron will eventually move to Tikrit.

Iraqi Army Aviation (AR)

On 3 October 2018, The U.S. State Department approved a possible Foreign Military Sale to Iraq of five armed Bell 407GX helicopters, which will probably be designated IA-407GX locally. These helicopters will replace the seven Bell 407 helicopters that were lost in recent battles against IS. They will be configured with M240 7.62mm machineguns. The deal is worth an approximate US\$82.5 million. The Defense Security Cooperation Agency delivered the required certification notifying Congress of this possible sale on 3 October 2018.

Mi-35M

YI-377 35th Attack Helicopter sq, f/n oct18

We received some very interesting information after a query on Scramble Facebook News (SFN). We requested our readers to help identify several Bell 206B helicopters that were recently seen operating with the Army Aviation College at Habbaniyah. It turned out that the mysterious Bell 206Bs were previous deliveries that received a new registration. Also received were the confirmed tie-ups of the Bell 407GX helicopters that are operated by two squadrons within the college: 200th Rotary Training sq and 500th Rotary Training sq. Please see our online database for the details. The full order of battle of the Army Aviation College per October 2018 is:

Army Aviation College

16th Rotary Training sq	Mi-171E (1), Mi-171Sh (7)
200th Rotary Training sq	Bell 407GX (8)
300th Rotary Training sq	OH-58A (2) and OH-58C (8)
500th Rotary Training sq	Bell 407GX (8)
Instructor Pilot Unit	Bell 206B (5), Bell 206B-3 (2), AB206B-3 (3)

Jordan

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

We have a lot of catching up to do here so bear with us. Some of the last noted dates are some time back but please don't let that stop you from reading. First, we want to start with the latest order of battle. So much has changed that it justifies printing it here. Of course, we have the Order of Battle online as well so keep track of developments through Scramble.nl

OJAM ("Sweet Home") – King Abdullah AB – Amman-Marka Air Lift Wing

3sq	M28 (2), C-130H (5), C-130E (3, for sale), C295 (2, for sale)
3sq/JIAC	il-76MF (2)



The B-2A is always an impressive sight at air shows like this 82-1068 during the March AFB Airshow. (7 April 2018, Dennis Deis)

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Panorama Peak in Death Valley is a fascinating spot to photograph low flying military aircraft. F-16C 86-0310 was seen on the 1st of November 2018 in new striking aggressor colours. (Dan Stijovich)

7sq	AS332M-1 (10, for sale)
14sq	UH-60A (8, ex 8sq)
15sq det.	Ce208B-ISR (2)
EMS	AW139 (2)
Royal Squadron	AW139 (1), S-70A-11 (~5)
Public Security Air Wing	EC635T2i (4)
OJKA King Abdullah II AB, Algabawi area (aka K2)	
10sq	AH-1F (SES) (~12)
12sq	AH-1F (~12 for sale)
Prince Hussein II ISR Wing	
9sq	S-100 Camcopter (10), CH-4B (12)
15sq	Ce208B-ISR (6)
25sq	AT-802 (8)
Prince Hashim Bin Abdullah II Royal Aviation Brigade (PHRB)	
8sq	UH-60M (12)
28sq	MD530F (6)
30sq	UH-60L (8)
32sq	AC235 (2)

OJMF ("Bright Star") King Hussein Air College (KHAC) - Mafraq

4sq	Grob 120TP (16)
5sq	R44-II (12)
11sq	PC-21 (10)
Flight Instructor School	R44-II, Grob 120TP on loan from 5sq and 4sq

OJMS ("Salt Pan") Shaheed Muwaffaq Al-Salti AB (MSAB) - al-Azraq

1sq	F-16AM/BM (~15)
2sq	F-16BM (~15, OCU role)
6sq	F-16AM/BM (~15)

Sahel Nesab Group, Algabawi area (aka Zarqa AB)

26sq	Mi-26T2 (1 act, 3 o/o)
9sq det.	CH-4B

OJHR Rweished AB - H4

Reserve base, used by US SOCOM. Occasional detachments (9sq with CH-4B, 10/12sq with AH-1F, 15sq with Ce208B-ISR and 25sq with AT-802).

OJHF ("Swan Lake") - Prince Hassan AB (PHAB) - H5

Reserve base. Hawk Mk.63 stored here.

OJKF ("Moon Light") King Feisal bin Abdul Aziz AB - Al Jafr

Reserve base, used occasionally by US SOCOM.

AH-1F

1021	10sq	ex IDF?	jun18
1225	12sq	ex IDF?	nov15
1227	12sq	ex IDF?	jun18
no serial	pres Amman	f/n	20056 nov18

The last AH-1F in this list is preserved at the Amman-Martyrs Memorial. On the tail "5300" can be read, making this former US Army 66-15300.

AH-1F (SES)

1012	10sq	f/n after upgrade	22612 jul18
1013	10sq	f/n after upgrade	oct18
1016	10sq	f/n after upgrade	20374? jun18

10sq will receive the twelve AH-1F Cobras that were earmarked for a Service-Life Extension Program. Northrop Grumman and Science and Engineering Services (SES) LLC are currently upgrading the helicopters at Huntsville, Alabama. The aircraft receive a digital avionics conversion using Northrop Grumman's Integrated Mission Equipment Package (iMEP), which includes a FlightPro Generation III mission computer, a full suite of LCD Multi-Functional Displays (MFDs), an embedded software digital map and navigation controls. A new FLIR sensor is fitted and the upgrades add the capability to fire Hellfire missiles.

The SOFEX 2018 arms exhibition pushed the delivery of the first two upgraded examples forward. These are awaiting operational acceptance in a hangar at KA2. With the upgrade, it is expected that the Cobras can soldier on for many more years. The 12sq AH-1F Cobra helicopters will in due time be replaced by new helicopters. On the wish list are gunship versions of the Sikorsky UH-60 Black Hawk and the Bell AH-1W. Twenty surplus AH-1F helicopters are for sale, of which two have been selected for transfer to the Philippines recently.

C101CC

The venerable Casa 101CC jet trainers were decommissioned since May 2017. Seven were sold to the Fuerza Aérea de Chile (FAC) to act as spare parts source for the FAC Casa 101 fleet.

Ce208B

1536	15sq	f/n	208B-5346?	nov17
1537	15sq	f/n	208B-5347?	jun18

CH-4B UAV

0930	9sq	f/n		jul16
0931	9sq	f/n		may18
0932	9sq	f/n		jul16

Jordan operates twelve Chinese CH-4B armed UAVs. During a June 2018 interview the RJAF Commander Major General Yousef A. Al Hnaity declared that there is a possibility that the Chinese CH-4B will be replaced by a U.S. equivalent (without going into specifics with regards to the type, configuration or timelines).

Falco UAV

...	9sq	f/n, wfu early 2018	0039	nov15
...	9sq	f/n, wfu early 2018	0040	nov15

F-5E

1702	to N697TA	TacAir "14"	R1110
646	to N646TA	TacAir	R1373
647	to N647TA	TacAir	R1369
648	to N648TA	TacAir	R1376
650	to N791TA	TacAir	R1378
653	to N653TA	TacAir	R1381
655	to N796TA	TacAir	R1383
656	to N656TA	TacAir	R1384
924	to N924TA	TacAir	R1225
925	to N696TA	TacAir "15"	R1226
926	to N926TA	TacAir	R1241
930	to N550TA	TacAir	R1265
931	to N931TA	TacAir	R1268
936	to N617TA	TacAir	R1311
940	to N618TA	TacAir	R1321
941	to N619TA	TacAir	R1327

F-5F

1750	to N698TA	TacAir	W1008
1753	to N917TA	TacAir	W1042
1754	to N699TA	TacAir	W1043
1755	to N644TA	TacAir	W1044

643	to N643TA	TacAir	W1036
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Tactical Air Support (TacAir) received approval from the U.S. State Department in late 2016 to import 21 retired Royal Jordanian Air Force Northrop F-5E/F Tiger IIs. The possible deal was already announced in December 2015 but it took until November 2017 until the first aircraft entered the FAA civil register. The company received all 21 aircraft: seventeen by ship and four aboard a Boeing 747 freighter that made a brief stop-over at Hahn airport when on its way from H5 airbase in Jordan to the TacAir facilities in St. Augustine (FL). TacAir is a private firm that is competing for "Red Air" services contracts with the U.S. government. After delivery, the Tiger IIs were fully refurbished and they received upgraded avionics.

G120TP

450	4sq	f/n	11082	jun18
451	4sq	f/n	11083	jun18
452	4sq	f/n	11084	jan16
453	4sq	f/n	11085	jun18
454	4sq	f/n	11086	jun18
455	4sq	f/n	11087	jun18
456	4sq	f/n	11088	jun18
457	4sq	known delivery	11089	
458	4sq	known delivery	11090	
459	4sq	known delivery	11091	
460	4sq	known delivery	11098	
461	4sq	w/o 10dec17	11101	
462	4sq	f/n	11104	nov17
463	4sq	known delivery	11105	
464	4sq	f/n	11106	jun18
465	4sq	f/n	11107	jun18

The Grob 102TP replaced the Slingsby Firefly T67M260 in the basic training role. Since the service-induction of the Grob 102TP and PC-21, the fully analogue and outdated ex-Royal Air Force Slingsby aircraft were put into storage at Mafraq or sold off to the civilian market. See below.

Hawk Mk63

Lost in the process of rationalizing the fleet are the thirteen ex-United Arab Emirates Hawk Mk.63 Advanced Trainers. The last course to graduate on these venerable aircraft was the May 2017 class that still finished their advanced course on the Casa 101. The Hawk aircraft are currently stored at H5, awaiting their fate. An undisclosed potential buyer has been found for the aircraft so most probably they will find a new



Last October, six F-22 Raptors of the 94th FS deployed to RAF Lakenheath to train with the local F-15s. (17 October 2018, Steve Cooke)



T-1A 94-0115 of the 451FTS/479FTG based at NAS Pensacola, Florida is painted up in a heritage colour scheme. The 451st FTS traces its history to the 451 Bombardment Squadron, which was flying with the B-26 Marauder during WWII. (19 October, Carey Mavor)

use somewhere else. The role of the F-5E/F-5F Tiger II and Hawks was completely taken over by the Pilatus PC-21, a type that prepares aspirant F-16 pilots much better for the digital cockpit of the F-16AM/BM.

Mi-26T2

2601/06819	26sq	ex 701	jun18
(2602)/06820	Rostvertol	for 26sq	feb18
(2603)/06824	Rostvertol	for 26sq	oct18

After registrations 06819 and 06820, now the third Mi-26T2 with registration 06824 has been seen test flying. The latter was seen at Rostov-on-Don (Russia) in late-October. The first one for the RJAF, 06819, is already operating in-country as RJAF serial 2601 with 26sq at Sahel Nesab/Zarqa Air Base (Jordan). The second one, 06820, was seen test flying with Rostvertol (Russian Helicopters JSC) at Rostov-on-Don in February 2018.

As reported before on Scramble Facebook News (SFN), 2601 was showcased in a striking camouflage scheme during the Special Operation Exhibition (SOFEX 2018) held in May 2018 at Amman-Marka. The giant helicopter was flown to Jordan in January 2018. Initially it was delivered with the serial 701 (it was operated by 7sq, also operating the Super Puma) but during May a dedicated squadron was established at Sahel Nesab (Zarqa). We assume that 06820 and 06824 will become serials 2602 and 2603, respectively. Back in April 2016, Russian Helicopters signed a deal with the Jordanian government to supply four Mi-26T2 helicopters to the Royal Jordanian Air Force. They will be used for fire-fighting and heavy tactical transport duties.

PC-21

1178	11sq	f/n	291	sep18
1179	11sq	f/n	292	sep18
1180/HB-...	Pilatus	f/n	312	oct18
1181/HB-...	Pilatus	f/n	313	oct18

The last two, of twelve ordered, PC-21s for the Royal Jordanian Air Force have entered the final assembly stage at the Pilatus factory in Stans-Buochs, Switzerland. The Royal Jordanian Air Force, having placed an initial order for the PC-9M in August 2015, re-evaluated and revised this order following a modification of the training concept. This revision resulted in the introduction of the PC-21 into the RJAF arsenal. The contract was initially for eight aircraft but with an option for additional units, if required. The first option for two was executed by January 2017 and the second followed in May that same year. Already ten PC-21s are providing the backbone of the nation's future pilot training regime under auspices of

King Hussein Air College at Mafraq Air Base. The PC-21s are operated by 11 Squadron and replaced the CASA 101 in the Advanced training role.

R44 II

JGE-01	JGEAA	f/n, photo, op by 5sq	may18
JGE-02	JGEAA	f/n, photo, op by 5sq	may18
JGE-03	JGEAA	f/n, photo, op by 5sq	may18
JGE-04	JGEAA	f/n, photo, op by 5sq	may18

JGEAA = Jordan Golden Eagle Aviation Academy is a commercial company working together with 5sq and the RJAF in general.

Siebel S-100 UAV

1551	15sq	f/n	0133	nov15
1552	15sq	f/n	0133	nov15
1554	15sq	f/n		nov15
1556	15sq	f/n		nov15
1557	15sq	f/n	0142	nov15
1558	15sq	f/n		nov15
1560	15sq	f/n	0249	nov15
1561	15sq	f/n		nov15

T67M260

421	to N834FS	2266
423	to N834JA	2268
424	to N833YT	2269
425	to N833XT	2270
426	to N836SS	2271
427	to N834SS	2272
429	to N834BT	2274
431	to N833UT	2276
432	to N838SS	2277
436	to N835SS	2281
439/G-BWXY	to N834GH	2259
440/G-BWXZ	to N833TE	2260
441/G-BWXX	to N837SS	2258
442/G-BWXK	to N833SS	2246
443/G-BWXH	to N834KN	2243
444/G-BWXN	to N8339T	2249

UH-60A

849	14sq	ex 8sq	70-307	jun18
852	14sq	ex 8sq		jun18
853	14sq	ex 8sq		jun18
854	14sq	ex 8sq		jun18
855	14sq	ex 8sq		jun18
856	14sq	ex 8sq		jun18
861	14sq	ex 8sq		jun18
863	14sq	ex 8sq		jun18

UH-60M

857	8sq	f/n		jun18
858	8sq	f/n, ex 16-27377	70-4695	jun18

859	8sq	f/n	jun18
860	8sq	f/n	jun18
862	8sq	f/n	jun18
864	8sq	f/n	jun18
867	8sq	f/n	may18

8sq recently transferred to the PHRB and started operating the much more advanced UH-60M Black Hawk helicopters in the process. Brand new accommodation, hangars and platforms to host the unit were build, adjacent to the existing PHRB buildings. The former 8sq UH-60A helicopters were transferred to 14sq.

Recently, the Bell UH-1H Huey and the Eurocopter EC635T1 helicopters have been decommissioned. The aging Eurocopter AS332M-1 Super Pumas are still operational with 7sq at Amman-Marka but since some of the critical components like the mission computer are becoming obsolete, the RJAF has put them up for sale.

Oman

Al-Quwwat al-Jawwiya al-Sultanat Oman (AF)

AB205				
730	pres Salalah	gate	4494	nov18
AS332C				
615	14sq	to MTC as i/a	2037	
616	14sq	wfu	2027	
AS332L-1				
617	14sq	wfu	2315	
SA330J				
610	14sq	to be wfu dec18	1605	may08
611	14sq	to be wfu dec18	1603	jul17

The end of the days for the (Super) Puma in Royal Air Force of Oman (RAF) service are coming. Very recently, the AS332 Super Pumas were officially withdrawn from use. 615 will go to the Military Technical College to be used as an instructional airframe while the fate of 616 and 617 is still not sealed and they are awaiting their fate at al-Musana'a. SA330J Puma 610 and 611 will be phased out in December.

Syria

Al-Quwwat al-Jawwiya al-Arabiya As'souriya (AF) MiG-29

3422	photo	f/n		
Su-22M3				
3007	tie-up TBC	photo	<u>_50_08_</u>	oct18



Hilco Schigt photographed some unexpected nightstoppers at Linz-Hörsching Airport on the 6th of November 2018. One of the US Army helicopters was AH-64D 09-05595 of the 6-17 Cavalry Brigade.

North America

Canada

Royal Canadian Air Force (AF)

By the time you read this, the RCAF will have retired its venerable Sea Kings. Last June, the last flight took place out of CFB Shearwater (N.S.), leaving just 443 squadron at CFB Patricia Bay (B.C.) flying Sea Kings. The retirement ceremony was held at Patricia Bay on 30 November and 01 December, after which fifteen helicopters will be put up for sale, twelve at Shearwater and three at Patricia Bay. Nine other Sea Kings will be donated for display around Canada. The first Sea King was taken in service in 1963, which means the helicopter has spent 55 years in Canadian skies.

CYTR = Trenton (Ont.)

CH-124A (S-61B)

12405	pres CYTR	ex 443sqn	61-202	dec18
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This Sea King made a final cross-country flight from Patricia Bay (B.C.) before arriving at the National Air Force Museum of Canada for preservation.

CH-148 (S-92)

148822	12 Wing	ex Sikorsky	92-5022	nov18
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United States

United States Air Force (AF)

Following our Scramble Facebook News (SFN) reports concerning the move of US Air Force RC-135s from RAF Mildenhall to RAF Fairford (UK) we can add some new information published by Stars and Stripes. The USAF is moving operations of some of its most sophisticated spy planes about three hours southwest in England as part of a larger force consolidation effort in Europe. The 95th Reconnaissance Squadron and 488th Intelligence Squadron at RAF Mildenhall will be relocated to RAF Fairford in Gloucestershire by 2024. The fleet is operated by the 55th Wing based at Offutt AFB (NB) and deployed to forward operating locations worldwide. The wing operates three RC-135S Cobra Ball, two RC-135U Combat Sent and seventeen RC-135V/W Rivet Joint aircraft. American forces were originally scheduled to leave the UK's Mildenhall, Alconbury and Molesworth bases by 2022, but will continue operating at those locations until at least 2024.



Next to the F-22s, eight Super Hornets of four different units (VFA-11, 81, 136 and 211) were also deployed to Lakenheath. One of them was F-18F 166665/210 of VFA-211. (17 October 2018, Steve Cook)

The United Kingdom Ministry of Defence has awarded a contract worth GBP 160 million to the Kier VolkerFitzpatrick joint venture to deliver infrastructure to ready RAF Lakenheath (UK) for two squadrons of US Air Force F-35s. The contract was awarded on 19 October 2018 and will lead to prepare the Suffolk airbase to be the first permanent international site for US Air Force F-35s in Europe. The F-15Cs of 493rd FS will leave. Whether one of the new F-35A squadrons will take up the number is currently unknown, but unconfirmed reports say the 493rd and 495th FS will be equipped with the Lightning II. The F-15Es of the 492nd and 494th FS continue operations from Lakenheath. Building work is programmed to start in the summer next year in order to welcome the first of the new aircraft in 2021. The contract award is the first in a wider programme of work to support US Air Force operations in the UK, with more than USD 1 billion expected to be invested over the next seven to ten years.

The moves are part of the European Infrastructure Consolidation process, which includes returning use of fifteen sites throughout Europe to host nations. The moves will save about USD 500 million annually, according to the US Defense Department.

On 26 October 2018, an all-white Cessna 208B, registered N21NH, was seen flying near Hurlburt Field (FL). Earlier this year, on 3 July, Scramble Facebook News (SFN) already reported the sighting of a Cessna 208B registered N321NH: a sighting which needed further confirmation. Scramble has learned that two, and possibly three, Caravans are operated with the 6th Special Operations Squadron, part of the 492nd Special Operations Wing, based at Hurlburt Field. Both above mentioned aircraft are registered with Nass Holdings LLC. in Titusville (FL). A third one, also registered to the Nass company, has not been sighted. At this moment it is not known if the Cessna 208Bs are operated by the USAF under some kind of lease-construction, or if they will get military serial numbers applied in due time. An overview of the aircraft involved:

Ce208B

N21NH c/n 5249, N321NH c/n 5349, N32NH c/n 5360 (the latter not yet reported)

As expected, because of the great destruction and aftermath that hurricane Michael has caused at Tyndall AFB (FL), it has been decided to relocate some of the 325th Fighter Wing units to other USAF bases. It was stated that most F-22As that had to be left behind and were damaged during the hurricane are flying again. An unknown number of the seventeen damaged Raptors have already left Tyndall and the final few fighters are expected to have flown out by 6 November. Tyndall's F-22A Raptor training units, being the 2nd Fighter Squadron and 43rd Fighter Squadron, along with their T-38A adversary aircraft will relocate their operations to Eglin AFB (FL). Personnel and F-22As from the combat operational 95th Fighter Squadron will relocate to Joint Base Langley-Eustis (VA), Joint Base Elmendorf-Richardson (AK) and Joint Base Pearl Harbor-Hickam (HI). At this moment it is not known how long this temporary relocation of the units from the 325th Fighter Wing will last. Meanwhile, QF-16 operations from the 82nd Aerial Targets Squadron, part of the 53rd Weapons Evaluation Group, will be normally conducted from Eglin and Holloman AFB (NM).

A-10C

78-0644/FT	74th FS	ex 75th FS	A10-0264	may18
78-0646/FT	74th FS	ex 75th FS	A10-0266	may18
78-0697/FT	74th FS	ex 75th FS	A10-0317	may18
78-0706		no markings	A10-0326	mar18
79-0138/KC	303rd FS	ex 74th FS	A10-0402	oct18
79-0209/DM		no markings	A10-0473	mar18
80-0187/DM		no markings	A10-0537	oct18
80-0223/FT	74th FS	ex 75th FS	A10-0573	may18
80-0275		no markings	A10-0625	mar18
81-0960		no markings	A10-0655	mar18
81-0980		no markings	A10-0675	mar18
81-0985		no markings	A10-0680	mar18
81-0991/WA	66th WPS	ex 354th FS	A10-0686	oct18
81-0992	66th WPS	ex 354th FS	A10-0687	oct18
82-0650		no markings	A10-0698	mar18
82-0654		no markings	A10-0702	oct18

AC-130J								
13-5783	73rd SOS	ex 1st SOG	382-5783	oct18				
B-1B								
85-0064/OT	337th TES	ex 28th BS	24	feb18				
85-0089/DY	489th BG	ex 28th BS	49	jan18				
86-0125/DY	28th BS	ex 9th BS	85	feb18				
86-0140/DY	345th BS	ex 28th BS	100	feb18				
B-2A								
89-0128/WM	110th BS	ex 13thBS	1013/AV-13	oct18				
B-52H								
60-0023/MT	23rd BS	ex 93rd BS	464388	may18				
60-0026/MT	23rd BS	ex 69th BS	464391	may18				
60-0033/MT	69th BS	ex 23rd BS	464398	nov18				
60-0055/MT	23rd BS	ex 69th BS	464420	nov18				
60-0058/MT	5th BW	ex 20th BS	464423	nov18				
C-130H								
74-1674	186th AS	ex 164th AS	382-4631	oct18				
74-2061	186th AS	ex 36th AS	382-4644	oct18				
81-0629	154th AS	ex 164th AS	382-4944	oct18				
85-0035	309th AMARG	ex 357th AS	382-5073	jan16				
85-0037	309th AMARG	ex 357th AS	382-5077	jul17				
89-1182	181st AS	ex 144th AS	382-5190	oct18				
89-9102	154st AS	ex 158th AS	382-5217	oct18				
92-1454	181st AS	ex 156th AS	382-5333	nov18				
92-3021	757st AS	ex 327th AS	382-5312	oct18				
93-1041	731st AS	ex WR-ALC	382-5376	oct18				
93-1455	181st AS	ex 156th AS	382-5360	oct18				
C-130J								
97-1352	19th OG	ex 48th AS	382-5470	oct18				
04-3143	317th AW	ex 41st AS	382-5559	sep18				
05-1435	19th AW	ex 143rd AS	382-5572	nov18				
07-4638	41st AS	ex WR-ALC	382-5598	nov18				
07-8613	41st AS	ex 37th AS	382-5624	oct18				
08-8606	41st AS	ex 48th AS	382-5614	nov18				
C-145A								
09-0317	to N317JG	ex 309th AMARG	AJE003-17	oct18				
09-0320	?	ex 309th AMARG	AJE003-20	oct18				
C-17A								
89-1189	911th AW	ex 437th AW	50007/F006/P3	oct18				
93-0601	758th AS	ex 62nd AW	50021/F020/P17	oct18				
93-0602	156th AS	ex 437th AW	50022/F021/P18	nov18				
96-0001	758th AS	ex 62nd AW	50037/F036/P33	oct18				
00-0172	437th AW	ex 97th AMW	50076/F075/P72	mar18				
01-0197	156th AS	ex 97th AMW	50105/F104/P97	nov18				
C-21A								
84-0071	458th AS	ex 457th AS	35A-517	jul18				
84-0125	458th AS	ex 457th AS	35A-571	jul18				
C-26A								
86-0453	to Barbados Defence Wing as RSS-A2 AC-742B			oct18				
C-32B								
02-5001	150th SOS	ex 486th FLTS	25494/611	nov18				
C-5M								
87-0041	337th AS	ex-LMTAS	500-127	oct18				
87-0043	439th AW	ex-LMTAS	500-129	nov18				
CV-22B								
10-0054	71st SOS	ex 8th SOS	?	jun18				
11-0061	8th SOS	ex 7th SOS	D1041	sep17				
E-3B								
77-0352/OK	960th AACs	ex 964th AACs	21552/931	mar18				
F-15C								
79-0057	159th FS	ex 194th FS	602/C126	oct18				
80-0004/MA	131st FS	ex 194th FS	638/C153	oct18				
F-15D								
82-0046	no markings		839/D042	oct18				
F-15E								
92-0366/MO	391st FS	ex 17th WPS	1250/E208	oct18				
F-16A								
80-0509/SH	pres Pima	ex 309th AMARG	61-230	oct18				
80-0578/QF-037	QF-16 program	ex 309th AMARG	61-299	oct18				
F-16C								
85-1421/QF-030	QF-16 Program	ex 309th AMARG	5C-201	oct18				
86-0309	119th FS	ex 134th FS	5C-415	oct18				
86-0317/WI	176th FS	ex 134th FS	5C-423	sep18				
F-16CM								
90-0735/WP	35th FS	ex 80th FS	1C-343	oct18				
90-0713/OK	125th FS	ex 152nd FS	1C-321	aug18				
90-0752/HO	314th FS	ex 310th FS	1C-360	oct18				
90-0820/WW	13th FS	ex 14th FS	CC-20	oct18				
91-0413/3	USAF ADS	w/o 04apr18	CC-111	apr16				
F-16D								
83-1180/AZ	195th FS	ex SABCA BE	5D-7	aug18				
F-22A								
05-4094/TY	95th FS	ex 95th FS	645-4094	aug18				
09-4177/FF	94th FS	ex 27th FS	645-4177	may17				
F-35A								
15-5121/OT	40th FTS	ex 422nd TES	AF-112	jun18				



The NASA still operates a couple of T-38Ns for training of astronauts and to act as a chase plane. Rob van Disseldorp photographed T-38N N918NA during landing at Nashville. (12 July 2018)

15-5134/HL	34th FS	ex 4th FS	AF-125	oct18	17-46031	Paine Field	34115/1143
15-5162/HL	4th FS	ex 34th FS	AF-137	aug18	17-46032	Paine Field	34111/1145
15-5189/LF	308th FS	ex LM Fort Worth	AF-164	oct18	17-46033	Paine Field	34113/1147
15-5191/LF	63rd FS	ex LM Fort Worth	AF-166	nov18	MC-12W		
15-5194/HL	466th FS	ex LM Fort Worth	AF-169	oct18	09-0623	to N452TB	FL-623 may18
15-5200/HL	421st FS	ex LM Fort Worth	AF-175	nov18	MC-130H		
HH-60G					87-0023	353rd SOG	ex 15th SOS 382-5091 oct18
92-26466	46th ERS	w/o 15mar18	70-1891	mar18	MQ-9A		
KC-135R					12-4174	w/o 07nov18	PB-174
57-1474	351st ARS	ex 22nd ARW	17545/T0154	oct18	T-34A		
57-1488/ZZ	909th ARS	ex 54th ARS	17559/T0168	oct18	53-4193	to N12281	G-293 mar18
58-0023	133rd ARS	ex 108th ARS	17768/T0238	oct18	T-38C		
58-0073	117th ARS	ex 106th ARS	17818/T0288	nov18	67-14842/EN	88th FTS	ex 90th FTS T6038 sep18
58-0104	133rd ARS	ex 108th ARS	17849/T0319	oct18	67-14852/XL	87th FTS	ex 25th FTS T6048 oct18
58-0123	unmarked		17868/T0338	oct18	T-6A		
59-1459/ZZ	909th ARS	ex 22nd ARW	17947/T0362	jun18	00-3580/XL	434th FTS	ex 41st FTS PT-84 oct18
59-1511	116th ARS	ex 351st ARS	17999/T0414	nov18	07-3895/VN	33rd FTS	ex 89th FTS PT-454 oct18
60-0350	9th AMW	ex 22nd ARW?	18125/T0464	oct18	U-28A		
60-0351	22nd ARW	ex 909th ARS	18126/T0465	oct18	05-0556	318th SOS	ex 319th SOS 556 oct18
60-0355	351st ARS	ex 22nd ARW	18130/T0469	nov18	UH-1H		
61-0314	92nd ARW	ex 91st ARS	18221/T0536	oct18	70-16443/-	to N262RC	12748 oct18
61-0317	133rd ARS	ex 177th ARS	18224/T0539	oct18	United States Army (AR)		
61-0318	117th ARS	ex 106th ARS	18225/T0540	oct18	The United States Army awarded a contract for four MH-47G Block II helicopters to Boeing at Ridley Park (PA). This contract was awarded on 11 July 2018, using budget from FY18. The contract is valued at US\$ 131,142,877 and expected to be completed by 29 June 2020.		
62-3515	108th ARS	ex 133rd ARS	18498/T0566	oct18	Additional contracts were awarded to Boeing for the MH-47G Block II project. Often the descriptions were quite generic, and they were also split between the US Special Operations Command and the US Army Contracting Command. This makes it hard to track exactly what is covered and how many helicopters are being purchased. For sure these contracts include engineering and development for the Block II project. It is also believed that a prototype has been ordered, hidden in these numbers. In total at least US\$ 493.6 million has been allocated to the MH-47G Block II project.		
62-3553	92nd ARW	ex 909th ARS	18536/T0604	oct18	Units		
62-3559	22nd ARW	ex 100th ARW	18542/T0610	oct16	B/2-3rd AVN	Hunter AAF, Fort Stewart (GA)	
62-3576	108th ARS	ex 133rd AS	18559/T0627	oct18	C/3-25th AVN	Wheeler AAF, Schofield Barracks (HI)	
63-7979	6th AMW	ex 22nd ARW	18596/T0635	oct18	B/1-52nd AVN	Ladd AAF, Fort Wainwright (AK)	
63-7987/ZZ	909th ARS	ex 22nd ARW	18604/T0643	oct18	A/2-104th AVN	NAS Lakehurst (NJ)	
63-7997	92nd ARW	ex 909th ARS	18614/T0653	oct18	A(-)/1-112nd AVN	ND ARNG, AASF Bismarck MAP (ND)	
63-8017	328th ARS	ex 91st ARS	18634/T0673	nov18	B/1-126th AVN	CA ARNG, AASF Stockton MAP (CA)	
63-8020	97th AMW	ex 18th Wing	18637/T0676	oct18	A/1-131st AVN	AL ARNG, AASF Montgomery RAP (AL)	
63-8027	6th AMW	ex 351st ARS	18644/T0683	oct18	1-135th AVN	MO ARNG, AASF Whiteman AFB (MO)	
63-8033	97th AMW	ex 6th AMW?	18650/T0689	oct18	A/3-142nd AVN	2-158th AVNGrey AAF, JB Lewis-McChord (WA)	
63-8874	92nd ARW	ex 6th AMW?	18722/T0705	oct18	A/1-147th AVN	WI ARNG, AASF Dane County RAP (WI)	
63-8885	6th AMW	ex 92nd ARW	18733/T0716	oct18	B(-)/2-149th AVN	TX ARNG, AASF Grand Prairie AAF (TX)	
KC-135T					Det.1 F/1-169th AVN	PA ARNG, Muir AAF, Fort Indiantown-Gap (PA)	
58-0050	6th AMW	ex 92nd ARW	17795/T0265	oct18	B(-)/1-189th AVN	NV ARNG, AASF Reno-Stead Airport (NV)	
58-0060	147th ARS	ex PDM OC-ALC	17805/T0275	nov18	C(-)/1-207th AVN	HI ARNG, AASF Hilo IAP (HI)	
58-0069	92nd ARW	ex 351st ARS	17814/T0284	oct18	B/224th MI Bn	Hunter AAF, Fort Stewart (GA)	
58-0071	6th AMW	ex 22nd ARW	17816/T0286	oct18	C/2-227th AVN	Hood AAF, Fort Hood (TX)	
58-0125	6th AMW	ex 92nd ARW	17870/T0340	oct18	C(-)/2-285th AVN	ND ARNG, AASF Bismarck MAP (ND)	
59-1504	147th ARS	ex 92nd ARW	17992/T0407	nov18	Det.2 A/1-376th AVN	IA ARNG, AASF Davenport MAP (IA)	
59-1510	6th AMW	ex 92nd ARW	17998/T0413	oct18	1108th TASMG	MS ARNG, AASF Gulfport-Biloxi IAP (MS)	
KC-46A					BEST	BEST Aircraft Consolidation Facility at 248 Dunlop Blvd, Huntsville (AL)	
11-46001	Paine Field		41273/1065/VH001	may17	EAATS	PAARNG, Eastern ARNG Aviation Training Site at Muir AAF, Fort Indiantown-Gap (PA)	
11-46002	Paine Field		41275/1069/VH004	aug16	HAATS	CO ARNG, High Altitude ARNG Aviation Training Site at AASF Eagle County RAP (CO)	
11-46003	Paine Field		34054/1067/VH003	aug16	I2WD Flt Act	Intelligence & Information Warfare Directorate Flight Activity at NAS Lakehurst (NJ)	
11-46004	Paine Field		41274/1066/VH002	aug16	USAAAD Flatiron	Cairns AAF, Fort Rucker (AL)	
15-46005	Paine Field		41852/1091/VH005	aug16	Summit	Summit Aviation at Middletown-Summit Airport (DE)	
15-46006	Paine Field		41983/1092/VH006	sep16	WAATS	AZ ARNG, Western ARNG Aviation Training Site at AASF Silverbell AHP, Marana (AZ)	
15-46007	Paine Field		41855/1098/VH007	jul16			
15-46008	Paine Field		41856/1100/VH008	aug16			
15-46009	Paine Field		41858/1102/VH009	dec17			
15-46010	Paine Field		41859/1104/VH010	sep16			
15-46011	Paine Field		34106/1107/VH011	feb18			
16-46012	Paine Field		34107/1109/VH012	feb18			
16-46013	Paine Field		34109/1111/VH013	feb18			
16-46014	Paine Field		34105/1113/VH014	feb18			
16-46015	Paine Field		34134/1114/VH015	feb18			
16-46016	Paine Field		41860/1116/VH016	feb18			
16-46017	Paine Field		34108/1117/VH017	feb18			
16-46018	Paine Field		34135/1119/VH018	feb18			
16-46019	Paine Field		34138/1120/VH019	mar18			
16-46020	Paine Field		34137/1122/VH020	feb18			
16-46021	Paine Field		34139/1124/VH021	feb18			
16-46022	Paine Field		34136/1126/VH022	feb18			
16-46023	Paine Field		41861/1128				
17-46024	Paine Field		34121/1129	oct17			
17-46025	Paine Field		41863/1131				
17-46026	Paine Field		34127/1132				
17-46027	Paine Field		34126/1134				
17-46028	Paine Field		34124/1135				
17-46029	Paine Field		34110/1137				
17-46030	Paine Field		34112/1139				

KFME Tipton Airport (MD)
 KPIA AASF Greater Peoria RAP (IL)

RC-12D

80-23377 std KFME ex I2WD Flt Act **BP-18** oct18
 By October 2018, this RC-12D had arrived at Tipton Airport (MD) where it is being prepared for preservation in the National Cryptologic Museum at nearby Fort Meade (MD).

MC-12S-2

09-00646 B/224th MI Bn ex B/15th MI Bn **FL-646** oct18

CH-47D

85-24337 std KPIA ex B(-)/2-238th AVN **M3107** jul18
 90-00225 dump Summit ex nb **M3377** oct18
 92-00288 std Summit ex B(-)/1-189th AVN **M3429** oct18

Present in the scrap compound at Middletown-Summit Airport (DE) were a number of CH-47D-rear pylons (oct18). Outside on the ramps various CH-47D Chinooks with torn of rear pylons remained unidentified. We leave it up to you to draw your own conclusions, but the following serials taken from these pylons were not reported previously at Middletown:

89-00170, 90-00180, 90-00210, 90-00218 and 93-00931

Others present were reported here previously, for the sake of completeness, this were the winning numbers:

81-23381 (fuselage also present in same area), 89-00156, 90-00193 (fuselage also present in same area), 90-00206, 91-00240 and 98-02000

Plus one pylon which was marked "770". This can only be traced back to 82-23770. That CH-47D however was withdrawn from use in 2004 and used in the conversion of MH-47G 04-03746 (del 28oct05).

CH-47F

11-08092 B(-)/2-238th AVN, ex nb **M8092** jul18
 12-08887 B(-)/2-149th AVN, B/1-126th AVN **M8887** oct18
 14-08453 B/2-3rd AVN ex Summit **M8453** oct18
 14-08457 B/2-3rd AVN ex B/6-101st AVN **M8457** sep18
 14-08460 B/2-3rd AVN ex B/6-101st AVN **M8460** aug18
 16-08206 B/1-52nd AVN f/n **M8206** oct18
 16-08469 B/1-52nd AVN f/n **M8469** oct18

Both (17)-08478 and (17)-08479 have been reported at Huntsville (AL) in October 2018. These serials have not been reported previously. Chinooks usually are flown to Huntsville for pre-acceptance trials.

MH-47G

08-03775 std Summit ex 160th SOAR **M3775** mar17
 The identity of the MH-47G which is stripped for spares on behalf of the MH-47G Block II prototype is now known. It had arrived at Summit Airport (DE) by March 2017, and was last confirmed present there in March 2018.

OH-58A

70-15060 to Iraq as YI-060, rr YI-249 **40611**

OH-58D

This month we present some updates on, more or less recent, movements from Kiowa Warriors which were stored at 309th AMARG. On 7 August 2018, 92-00576, 96-00025, 96-00125, 10-01334 and 11-01337 left storage upon transfer to US Army Aviation Applied Technology at Fort Eustis (VA). The next day, three more Kiowa Warriors (92-00540, 94-00060 and 94-00161) left for Fort Eustis (VA), followed by 94-00059 and 96-00037 yet another day later.

Previously, 90-00364 departed storage with 309th AMARG upon transfer to the US Navy. This took place on 9 April 2018, and the helicopter was allocated to the NAWC at NAS Patuxent River (MD).

Kiowa Warriors 93-00956 (10may18), 92-00542 (14may18), 94-00153 (10may18), 95-00016 (14may18), 96-00127 (10may18), 97-00126 (11may18), 97-01323 (11may18), 97-01326 (11may18), 97-01327 (16may18) and 97-01329 (11may18) left for Redstone Arsenal (AL). Their individual

departure dates are mentioned in brackets.

Other departures from 309th AMARG took place on 8 August 2018. The following helicopters were listed as departed on that day to HVF West in Tucson (AZ). This most likely means that this company scrapped the Kiowa Warriors on the AMARG-grounds:

91-00538, 92-00532, 94-00057, 94-00175, 95-00007

In addition, a few departures which we previously did not report. On 20 September 2017, 96-00021 and 96-00022 left 309th AMARG for Fort Polk (LA) where both are used since than as instructional airframe with the Joint Readiness Training Center (JRTC).

EH-60A

84-24020 std BEST ex HAATS? **70-956** mar18
 87-24671 to N777GR ex std BEST **70-1277** oct18
 87-24674 to N672MP ex std BEST **70-1303** oct18

UH-60A

79-23294 std BEST ex 1108th TASMG **70-111** oct18
 79-23334 std BEST* ex nb **70-151** oct18
 80-23440 std BEST* ex Det.1 F/1-169th **70-198** oct18
 80-23464 std BEST* ex nb **70-222** oct18
 80-23485 std BEST* ex nb **70-243** sep18
 81-23547 std BEST* ex nb **70-268** sep18
 81-23548 std BEST* ex C(-)/2-238th AVN **70-269** oct18
 81-23580 std BEST* ex nb **70-301** sep18
 81-23592 std BEST* ex nb **70-314** sep18
 81-23599 std BEST* ex nb **70-321** oct18
 81-23613 WAATS ex nb **70-335** sep18
 81-23616 to N616UH ex std BEST **70-338** nov18
 81-23625 std BEST* ex A/2-104th AVN **70-347** oct18
 82-23664 std BEST* ex nb **70-357** oct18
 82-23665 std BEST* ex nb **70-358** oct18
 82-23702 std BEST* ex nb **70-525** oct18
 82-23705 to N705TH ex std BEST **70-528** oct18
 82-23731 std BEST* ex A/3-142nd AVN **70-554** oct18
 83-23927 WAATS ex C/2-227th AVN **70-752** sep18
 85-24445 std BEST* ex EAATS **70-934** oct18
 89-26124 A/1-131st AVN ex nb **70-1345** sep18

The helicopters marked with an asterisk (*) are offered for sale to US Government Agencies.

HH-60L

83-23892 std BEST ex nb **70-717** oct18
 04-27022 to N506BH ex std BEST oct18

Former UH-60Q 83-23892 has been re-designated HH-60L (when?), and it was offered for sale to US Government Agencies.

UH-60L

84-23952 C(-)/2-285th AVN, ex UH-60A **70-777** sep18
 84-23968 1-135th AVN ex UH-60A **70-802** jul18
 84-24009 C(-)/2-285th AVN, ex UH-60A **70-851** sep18
 84-24015 C(-)/2-285th AVN, ex UH-60A **70-859** sep18
 86-24516 C(-)/2-285th AVN, ex UH-60A **70-1015** sep18
 86-24526 C(-)/2-285th AVN, ex UH-60A **70-1027** sep18
 86-24529 WAATS ex A/2-135th AVN **70-1032** sep18
 90-26250 1-135th AVN ex nb **70-1477** jul18
 91-26341 1-135th AVN ex nb **70-1639** jul18
 92-26428 1-135th AVN ex nb jul18
 94-26595 A/3-25th AVN ex nb oct18
 95-26635 A/3-25th AVN ex nb oct18
 95-26640 1-135th AVN ex nb **70-2165** jul18
 95-26643 1-135th AVN ex nb **70-2168** jul18
 95-26654 1-135th AVN ex nb **70-2179** jul18
 96-26678 USAAAD Flatiron, ex nb **70-2203** sep18
 96-26705 C/3-25th AVN ex nb oct18
 96-26715 C/3-25th AVN ex nb oct18
 98-26797 C/3-25th AVN ex nb **70-2454** oct18
 98-26806 1-135th AVN ex nb **70-2472** jul18
 98-26822 1-207th AVN see note **70-2486** apr18

On 26 March 2009, 98-26822 suffered a mishap at Monarch Pass (CO). The helicopter lost power and came down hard in the snow. All three on board luckily walked away with slight injuries only and the helicopter was recovered as underslung



CN235 N506KM is operated by Prescott Support Company (a company which is related to the CIA) and was photographed during landing at Larnaca. (16 September 2018, Mike Hopwood)

load by a Chinook. For a long time, we were not aware of the status of this Black Hawk, but it has been confirmed active again in April 2018.

HH-60M

..-20511	C/3-25th AVN	f/n	oct18
..-20512	C/3-25th AVN	f/n	oct18
..-20513	C/3-25th AVN	f/n	oct18
..-20594	C/3-25th AVN	f/n	oct18
..-20855	Det.1 G/1-189th AVN,	f/n	oct18

UH-60M

..-20026	A/1-147th AVN	see note	may18
..-20112	C(-)/1-207th AVN,	f/n	oct18
..-20424	C(-)/1-207th AVN,	f/n	oct18
..-20483	2-25th AVN	f/n	oct18
..-20488	2-25th AVN	f/n	oct18

Black Hawk 20026 was previously reported with 1-244th AVN LA ARNG, but that seems to be in error. It has been confirmed with 1-147th AVN WI ARNG on two separate occasions.

AH-64E

17-03142	4-4th AVN	w/o 20jan18	NM142
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UH-72A

10-72156	A(-)/1-112nd AVN,	ex nb	sep18
12-72264	A(-)/1-112nd AVN,	ex nb (FY unconfirmed)	sep18
13-72293	WAATS,	ex Det.2 A/1-376th AVN (FY unconf.)	sep18
13-72305	A(-)/1-112nd AVN,	f/n (FY unconfirmed)	sep18

United States Navy (NY)

The Boeing Company received a USD 204 million contract award from Naval Air Systems Command on 26 October 2018. Within this multi-million contract, the company will cover repairs, inspections and modifications work on US Navy F/A-18E/F Super Hornets and EA-18G Growlers. These include structural and electrical modifications (Block III) on initially 28 aircraft during the first year of the contract. Work will be done at the Boeing facility at Cecil Field, Jacksonville (FL).

United States Navy unit news

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

Carrier Air Wing 11, USS Theodore Roosevelt (CVN-71) NH

Strike Fighter Squadron (VFA) 147 Argonauts ('NH-4xx'), based at NAS Lemoore (CA), operating the F-35C Lightning II, approaches full operational readiness. Initial Operating

Capability (IOC) is expected early 2019. From February 2019, the squadron will prepare for its first actual deployment on board the USS Carl Vinson (CVN-70). The first operational cruise will take place in 2021.

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)

C-20G

165094/094	VX-30	ex 094/VR-51	1189	nov18
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This Gulfstream was noted flying with a "Bloodhound" callsign. It's unknown if it's loaned from VR-51 or delivered to VX-30.

E-2C-2000

165821/AC-602	VAW-123	ex NA-601/VAW-116	A192	nov18
165827/AC-601	VAW-123	ex 650/VAW-120	A198	nov18

E-2D

167929/600	VX-20	ex 600/VX-1	AA4	nov18
169069/675	VAW-120	f/n	AA35?	nov18
169070/670	VAW-120	f/n	AA36?	nov18

E-6B

163920	VQ-3	ex VX-20	23893	nov18
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F/A-18B

161938	to NASA	as N868NA	143/B034	nov18
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F/A-18C

163705	Blue Angels	ex FRCSE	767/C067	oct18
164210/AD-336	VFA-106	ex NA-404/VFA-94	973/C202	nov18
164643/PM-66	FRCSE	ex AJ-314/VFA-15	1065/C272	oct18
164664/AD-305	VFA-106	ex AJ-304/VFA-15	1092/C285	nov18
164680/AF-31	VFC-12	ex AD-326/VFA-106	1110/C294	nov18
165205/AD-331	VFA-106	ex AJ-405/VFA-37	1364/C430	nov18

F/A-18D

164053/AF-45	VFC-12	ex RA-22/FRCSW	943/D056	nov18
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F/A-18E

166599/AD-122	VFA-106	ex AG-114/VFA-143	E095	nov18
166602/AC-205	VFA-83	ex AG-102/VFA-143	E098	nov18
166775/AC-207	VFA-83	ex AD-120/VFA-106	E121	nov18
166776/NH-200	VFA-31	ex AJ-100, CAG c/s	E122	nov18
168483/NG-212	VFA-14	ex AD-131/VFA-106	E240	oct18
169642/AC-414	VFA-105	f/n	E304?	nov18

F/A-18F

166663/AJ-205	VFA-213	ex AJ-200	F141	nov18
166672/AJ-213	VFA-213	ex AJ-207	F150	nov18

166888/NF-111	VFA-102	w/o 12nov18	F218
169649/255	VFA-106	f/n	F279 nov18

F-35C

169163/NH-404	VFA-147	ex NJ-124/VFA-101	CF-27 nov18
169424/NH-410	VFA-147	ex NJ-414/VFA-125	CF-32 nov18

MH-60R

167037/AJ-713	HSM-70	ex HR-504/HSM-48	70-38.. oct18
168079/HQ-760	HSM-46	ex HQ-473	70-40.. nov18
168140/HQ-761	HSM-46	f/n	70-483. nov18
168168/NG-701	HSM-71	ex AG-705/HSM-79	70-4... nov18

MH-60S

165778/HW-10	HSC-26	ex HU-703/HSC-2	70-2771 nov18
166351/HU-725	HSC-2	ex HW-66/HSC-26	70-294. oct18
166368/AG-612	HSC-5	ex HW-76/HSC-26	70-.... oct18
167882/AC-611	HSC-7	ex AC-610	70-3664 nov18
167893/RB-04	HSC-26	ex NA-4/HSC-6	70-3715 nov18
167896/AC-617	HSC-7	ex NE-611/HSC-4	70-37.. nov18

P-3C AIP

158922/922	scrapped	ex 922/VXS-1	5594 nov18
161407	VP-1	ex 407 VP-4	5744 nov18

P-8A

168428/LA-428	VP-5	ex LF-428/VP-16	40808/3612 nov18
169326/326	VP-30	ex 326/VP-4	62298/6160 nov18
169334/LC-334	VP-8	ex 334/VP-30	63181/6440 nov18
169338/338	VP-30	ex 338/VX-1	63186/6595 nov18
169342/LC-342	VP-8	ex 342/VP-30	63192/6784 nov18
169344/344	VP-30	del 01nov18	63194/6846 nov18
169345/345	VP-30	del 05nov18	63195/6876 nov18
169544/544	Boeing	f/f 16nov18	64075/7144 nov18

UH-1Y

168415/SE-02	HMLA-469	ex UV-02/HMLA-267	55152 nov18
169104/SE-08	HMLA-169	ex SN-08/HMLA-169	55216 sep17

CQ-24A

169221	to US DoS	as N357KA	A94-0028 jan18
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This Kaman K1200 K-max has been moved to the US Department of State.

United States Marine Corps (NY)

On 5 November 2018, Lockheed Martin, with its subsidiary company Sikorsky, received a USD 717 million contract from the US Ministry of Defense to provide supply and logistics support to the entire fleet of in-service CH-53E Super Stallions and MH-53E Sea Dragon helicopters. The contract involves among other things, repairs, overhauls and spares over a time period of four years. The main subject of the overhaul will cover additional readiness-critical components, including main and tail rotor blades, main gearbox, main rotor head and flight control components, as well as accessories such as refuelling probe and cargo system components. The contract will provide support to the entire fleet and expanding a base of long-term sustainment as the ageing aircraft continue to fully operate until the introduction of the CH-53K King Stallion.

The US Navy MH-53E fleet can be found at NAS Norfolk (VA) with HM-12 Sea Dragons ('AN-4xx'), HM-14 Vanguard ('BJ-5xx'), HM-15 Blackhawks ('TB-0x and 1x'). HX-21 Blackjack ('HX-xx') at NAS Patuxent River (MD) is equipped with the CH-53E/K.

The US Marine Corps operates the CH-53E from several locations:

- MCAS Cherry Point (NC)
HMH-366 Hammerheads ('HH-xx') and VMX-1 Mihi Cura Futuri that operates the new CH-53K
- MCAF Kaneohe Bay (HI)
HMH-463 Pegasus ('YH-xx')
- Joint Base McGuire Dix Lakehurst (NJ)
HMH-772 Flying Armadillos ('MT-4xx')
- MCAS Miramar (CA)
HMH-361 Flying Tigers ('YN-xx'), HMH-462 Heavy

Haulers ('YF-xx'), HMH-465 Warhorses ('YJ-xx') and HMH-466 Wolfpack ('YK-xx')

- MCAS New River (SC)
HMH-461 Iron Horses ('CJ-xx'), HMH-464 Condors ('EN-xx'), HMT-302 * Phoenix ('UT-xx')
- Palmerola/Coronel Enrique Soto Cano air base (Spain)
SP-MAGTF SC **, HMH-366 Hammerheads ('HH-xx')
- * HMT-302 serves as the CH-53 Fleet Replenishment Squadron.
- ** Special-Purpose Marine Air-Ground Task Force Crisis Response - Central Command

The CH-53Es are regularly deployed with Marine Expeditionary Units that embark the US Navy fleet of LHA and LHD Amphibious Assault Ships. The Sea Stallions also deploy with LPD Amphibious Transport Dock ships.

United States Marine Corps unit news

Marine Force Atlantic (MARFORLANT)

Late October 2018, the USMC announced that Marine Tactical Electronic Warfare Squadron (VMAQ) 2 Panthers ('CY-xx'), flying the EA-6B Prowler, is scheduled to return from their deployment location Al Udeid (Qatar) to home base MCAS Cherry Point (NC) in early November 2018. The squadron is temporarily assigned to the 379th Air Expeditionary Wing. This deployment is the very last for the USMC VMAQ-community as well for the type, as this is the final VMAQ squadron to be deactivated.

VMAQ-2 is scheduled to be deactivated at Cherry Point in March 2019. That event will mark the end of the mighty career of the EA-6B electronic jamming and attack aircraft, nicknamed "Cadillac of the Sky". The USMC is not fielding a direct replacement for the EA-6B, instead they will rely on the USMC F-35B fleet and the US Navy electronic attack squadrons flying the EA-18G Growler.

The US Navy retired their last EA-6B squadron in 2015. Within the US Navy Electronic Attack Squadron (VAQ)-community the Prowlers were replaced by the Growler. They fly those from carriers assigned to a Carrier Air Wing, as well as assigned to joint expeditionary squadrons, operating from land bases. The USMC on the ground will rely on these too. Via Scramble Facebook News (are you following us??) we received info that on 2 November 2018, the Prowlers were seen at Souda Bay (Crete, Greece). They arrived as Trend 01-06

162228/CY-04 (ex VMAQ-3/MD-01), 162230/CY-02, 163045/CY-00, 163047/CY-05, 162934/CY-01, 163032/CY-03 (ex VMAQ-3/MD-03)

FRCE = Fleet Readiness Center East, Cherry Point (NC)
FRCSW = Fleet Readiness Center South West, North Island (CA)
LMTAS = Lockheed Martin Tactical Aircraft Systems, Fort Worth (TX)

F/A-18A++

162884/VE-211	309th AMARG	ex VE-211/VMFA-115	432/A356 nov18
163094/MA-08	VMFA-112	ex VW-02/VMFA-314	477/A393 oct18
163171/MA-04	VMFA-112	ex VE-204/VMFA-115	611/A517 nov18

F/A-18C

164222/DW-222	VMFA-251	ex VE-22/VMFA-115	985/C211 nov18
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F-35B

169593	LMTAS	f/n	BF-68 oct18
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AH-1Z

168964/QT-661	HMLA-167	ex QT-661/HMLA/T-303	59221 nov18
169257/UV-56	HMLA-167	ex UV-56/HMLA-169	59248 nov18

CH-53E

161259/EH-20	VMM-264	ex HH-15/HMH-366	65-431 nov18
162010/EH-21	VMM-264	ex HH-08/HMH-366	65-487 nov18
163075/HH-06	HMH-366	ex EH-21/VMM-264	65-565 nov18
165247/EN-24	HMH-464	ex YS-21/VMM-162	65-641 nov18

AV-8B+(R)					
165597/WP-04	VMA-233	ex YM-51/VMM-365	334	oct18	
MV-22B					
166480/GX-05	VMMT-204	ex GX-30	D0059	mar18	
166489/GX-31	VMMT-204	ex GX-26	D0068	nov18	
166686/YS-11	VMM-162	ex YS-03	D0080	nov18	
166742/EH-10	VMM-264	ex YM-05/VMM-365	D0107	nov18	
167913/EH-12	VMM-264	ex GX/VMMT-204	D0124	nov18	
167921/GX-32	VMMT-204	ex YR-03/VMM-161	D0132	nov18	
168225/YM-	VMM-365	ex ES-03/VMM-266	D0175	nov18	
168615/EP-09	VMM-265	ex EM-17/VMM-261	D0270	oct18	
168665/YR-10	VMM-161	ex YW-15/VMM-165	D03xx	oct18	
168676	Bell-Boeing	f/n	D03xx	nov18	

United States Coast Guard (CG)

The US Coast Guard (USCG) hopes to keep its 1984-fleet of 98 MH-65D Dolphin (Aerospatiale AS365 Dauphin) helicopters in the air for another twelve years. The Dolphins are nearing the end of their service life. The commander of the USCG, Admiral Karl Schultz, is carefully looking at a replacement helicopter. His service is eyeing to the US Department of Defense (US Army, Navy and Marine Corps) to join in with those services' future vertical lift programmes. As 90% of the USCG budget is classified as non-defence discretionary funding, it is tough for the USCG to get the right budget for their first line of defence which is protecting borders, combat smuggling, ensure maritime traffic safety, 'keep ports open'-missions and of course their Search and Rescue (SAR) mission. The FY19 budget for the USCG (part of the Department of Homeland Security budget) is still not approved whereas the US DoD's budget is. So, with other priorities requiring funding, Schultz said the USCG is determined to continue operations with the Dolphins.

A modification programme to MH-65E standard is running, and eventually some Dolphins will reach 30,000 flying hours when they fly well in the 2030s. Due to the ageing fleet of MH-65s, the fleet of 45 operational USCG MH-60 Jayhawks needs a life extension programme.

The USCG is also trying to purchase another fifteen H-60s (most probably former US Navy Seahawks) to fill the 2018-2030 gap, as not all MH-65s are able to continue for another twelve years.

The USCG is also refurbishing its fleet of fixed-wing aircraft. Congress funded the purchase of a fifteenth C-130J in the FY18 budget, and they hope to get a sixteenth in FY19. Eventually they plan to have a fleet of 22 HC-130Js operating next to the fourteen former USAF HC-27Js and eighteen HC-144s. The C-27s purchased in 2014 are in the process of preparing for medium-range Search and Rescue missions, but as there is a world-wide shortage of specific C-27 aircraft parts, operational fielding of the Spartan is tough. The first HC-27Js are currently operating out of USCGS Sacramento (CA).

MH-65D

6519	HITRON	ex North Bend	6139	nov18
6553	HITRON	ex Atlantic City	6035	nov18
6564	HITRON	ex Corpus Christi	6250	nov18
6599	HITRON	ex Kodiak		nov18

National Aeronautics and Space Administration (CG)

C-20A

30502	reregistered	as N802NA	389	oct18
N802NA/802	Armstrong	ex 30502	389	oct18

F/A-18B

N868NA	Armstrong	del	143/B034	nov18
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Credits: Erwin Alexander, Danny Bonny, Ian Carroll, Edwin de Greeuw, Joris Heeren, Thomas Hirt, Andy Marden, Daniele Mattiuzzo, Jorge Merino, Jeff Rankin, Jos Stevens, Janolov Tegnilius, Bradon Thetford, Frank v.d. Waardenburg, Peter Weinert



F-5E N696TA is one of the 21 ex-Jordanian Air Force F-5E/Fs which were acquired by TacAir in the USA. The major part of the 21 aircraft is on overhaul at Northrop Grumman in St. Augustine (FL) and will be delivered to TacAir in the very near future. (13 November 2018, Frank Crebas)

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Triptease



Among the static display highlights of ARMY 2018 at Kubinka air base was this A-50U 47rd/RF-92957. Delivered to the Russian Air Force on 9 December 1986, the Il-76 frame was modified to Beriev A-50U in May 2011. Jan Swart captured the classic engined AEW&C transporter on departure from Kubinka on 27 August 2018.

Military trips

Brittany (France)

Below is a report from Erik Kamphuis of what can be seen during a family holiday to the nice coast of Brittany in France.

When driving to our holiday destination, we passed Brussel-Melsbroek, where Hercules CH-10 took off as BAF671. We booked a Bed and Breakfast near Caen, but first a small detour via Albert was made.

Albert-Picardie 22 August 2018
F-GSTA/1 A300B4-608ST Airbus

At the airport of Albert, you can "spot" Airbus cockpits that are assembled here. Besides this Beluga, which was here to pick up some cockpits, a kind of Provost type in primer was seen in the open Betrancourt hangar. Unfortunately, the two Flamands I hoped to see, were not here.

Albert museum (outside) 22 August 2018

Preserved

35339/XC/314-WF	T-33A	ex GE314
449/QL	Mirage 3E	ex EC13
275/316-KC	MD311	ex AdIA
148/(319-DE)	MD312	ex AdIA
54/63-WX	N2501F	ex AdIA
97/63-WB	N2501F	ex AdIA
125	N2501F	ex AdIA
184/328-EO	N2501	ex AdIA

Next stop was the famous museum of Monsieur Betrancourt. As I was with family and could not make an appointment long time in advance, I noted only all outside aircraft. The T-33, a Noratlas and two Flamands could even be photographed. Nord 2501 125 was seen in a desert/red colour scheme and was only a fuselage.

Besides what I could note, also a grey civil Dauphin helicopter was stored in two parts in front of one hall, ID unknown. Mister Betrancourt also has a civil Mercure airliner, with no military history, outside.

Dinard-Pleurtuit 23 August 2018
5V-MAH DHC-5 ex Togo AF, stored

The next day we visited the famous Mont-Saint-Michel island (which is also a municipality in France) and the Saint-Michel abbey. After our visit, I wanted to see the former Togo AF Buffalo that is stored in Dinard for years. I spotted the aircraft, however from a too far distance for a good picture.

The GE-picture still shows some CN235s that Sabena did maintenance for, but no other mil aircraft outside here. Dinand airport that is close by still has a Fouga preserved here that can also be seen from the highway.

80	CM170	preserved , ex AdIA
F-BUZR	MS892	Civil (hangar)
F-CIHG	Grob 103?	Civil (hangar)

My wife booked a nice campingsite in Perros-Guirec and long after we booked it, it appeared the Patrouille de France planned a two day show at the beach of Perros-Guirec! The program told me both days at 15.00hrs a show of the PdF and a para drop of FAF. The pilots would be presented on stage two hours after the show, so they should land on an airfield nearby. As the small airport of Lannion was only 8kms from here, they should operate from there! In the morning CTM2041 landed here for support showing 5116/61-PB as C-130H ET02.061 on ADSB. At 15.00hrs Patrouille de France started the show over the beach and from the cliffs some nice shots could be made. The paradrop was a bummer, as they were not dropped from a nice FAF transporter, but a civil Turbo Porter!

Perros-Guirec (beach) 24 August 2018
F-GOME PC-6 Civil, no mil. history

As the PdF operated out of Lannion, I photographed them there in the afternoon. The airport even put some extra fences on the ramp, so all people could see and photograph the Alpha Jets from close.

Lannion 24 August 2018

(E44)/F-UHRE/1	Alpha Jet E	EPAA20.300
E45/F-TETF/8	Alpha Jet E	EPAA20.300
E48/8-MH	Alpha Jet E	(EE03.008)
E85/F-UGFF/9	Alpha Jet E	EPAA20.300
(E98)/F-TEMF/2	Alpha Jet E	EPAA20.300
E113/F-TETD/7	Alpha Jet E	EPAA20.300
E119/F-UGFE/3	Alpha Jet E	EPAA20.300
E139/F-UGFC/6	Alpha Jet E	EPAA20.300
E146/F-UHRR/5	Alpha Jet E	EPAA20.300
E152/F-UHRT/4	Alpha Jet E	EPAA20.300

Turbo Porter F-GOME is based here and was also seen.

Support, in the form of a C-160 transport, was planned for the 26th at 10:45, but I did not see any.

Morlaix-Ploujean 27 August 2018

The Lycée Technique Tristan Corbière at Morlaix airport was contacted for a photo visit to see the instructional airframes. The school replied to my request that I was welcome on 27 August. This was the first day the school was open after the summer break. The students arrived a week later, therefore I could really photograph in a "clean" environment.

(517) CM170 ex FAF, preserved on pole

Tristan Corbière hangar

1466 SA341F i/a, ex ALAT

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271	Mirage F1CT	i/a, ex AdIA	
42	MS760	i/a, ex Aeronavale	42
F-GRJI, F-GRJP	CRJ100ER	i/a	
F-BVER	Mooney M20C	i/a	

Outside

OY-TOV N262A i/a

The hangar next to the Tristran Corbière hangar, had an active civil P-180 Avanti, registered F-HBAI.

AeroPassion hangar

11	CM175	ex Aeronavale	std
32/F-AZLT	MS760	ex Aeronavale	
63	MS893-100S	ex EIP/50S, restoration	
F-BTDN/30	CRP10B	AeroPassion	
F-PNZE	Caudron C600		std

Besides these larger airplanes, the hangar also had some light civil aircraft.

This hangar had a nice bonus for me, my first Aeronavale Rallye. It was new here and used to be stored at Lanveoc and will be restored to flying condition!

The other AeroPassion hangar I could not visit unfortunately, but they confirmed MS760 85 for restoration is here and a former RAF Chipmunk also. Nothing known about TB.30 Epsilon (ex FAF 3). Outside is an all silver CM170 preserved that should be ex FAF 517.

Landivisiau 27 August 2018

32, 101, 133, 185	Falcon 10MER	57S
2, 4, 5, 9, 13, 20, 21, 27	Rafale M	11F/12F/17F
43, 44, 45, 46	Rafale M	11F/12F/17F

Falcon 10MER 101 and 103 were seen on "Flightline Middle". Rafales 2, 5, 9, 13, 20, 27, 44, 45 (and another two) were seen at the "Flightline Rafale M". Two unidentified Rafales were seen in Hangar West. Rafales 4, 21, 43 were seen flying and Rafale 46 was seen in the eastern most sunshed and did some flying later on the day. Special colours were spotted on Rafale M 5 and 44. Rafale 4 and 21 wore small unit markings from 12F as was discovered later on the take-off pictures.

Preserved

30	CM175	ex Aeronavale
15	Etendard 4M	ex Aeronavale, gate
29	F-8P	ex Aeronavale, gate
23	Super Etendard	ex Aeronavale, gate

After some time with the family in a shopping mall, it was time for the afternoon mission at Landivisiau. I did some spotting between 13:10 and 14:45.

First I drove to spot 1 of the Airfield Guide. The two stored Etendards were not visible at this ramp (both I had seen during previous visits). At spot 1 I could read three Rafales at the eastern part of the flight line and Rafale 46 from the first

sun-shed. As the afternoon mission did not start yet, I visited the main gate next. The three preserved aircraft are visible from the most left side. If you drive a bit more to the left side the Zephir is visible between the buildings. As the first aircraft did start up I drove to RWY08, where you have a good view on flight line, runway and take off. Best position to see all the action is between spot 2 and 3 from the airfield guide. Just after the approach RWY08 go right to the base fence and where the road bends from the fence to the north (Keroudot). I read here most of the aircraft from the flight lines (luckily I had no heatwaves) and I photographed some in take-off just for the serials, as this is with backlight. During my visit it was cloudy. Three Rafales were making circuits/approaches just after take-off. At the middle part of the flight line (a specific unit?) were four Rafales and the special painted 44, but reading the serials was just a bit too far. Last stop was spot 2 near Kerlaer here you are at the north side of the base. After this farm the left road to the fence was a bit overgrown, so I took the road to the right. At the fence there is a little wall that hides the runway and flight line, but I walked a little to the right (west) and here were some more Rafales to read and a second non flying Falcon. The rest of the afternoon was spent at a nice beach NW of the base. Here I saw some Rafales and a Falcon return to the base. Two 2-ships Rafales were seen to the approach at 17.05h while on the beach, and now the sky was blue! One grey AS365 Dauphin with orange wings crossed high from/to west (Lanveoc?) while at the base and later near the beach.

The rest of the holiday no military aircraft were seen.

Credit: Erik Kamphuis

ARMY Forum 2018 [Russia]

From August 21 to 26, the Russian Ministry of Defence organized the 4th edition of the ARMY Forum just outside Moscow. The ARMY exhibition is organized to support the restructuring of the Russian armed forces and supports the foreign sales activities of the Russian defence industry.

The ARMY exhibition is spread over three nearby venues, the Patriot Park, Alabino and Kubinka. The newly built Patriot Park is the central point of the exhibition, where all major Russian weapons manufacturers have their stands, such as Rostvertol / Russian Helicopters who showcased a number of their factory-owned helicopters and where most dignitaries meet. At the Patriot Park was also a number of preserved aircraft and helicopters and just outside is a newly constructed museum with about 20 aircraft.

The second venue is the display ground at Alabino, which is most known for the tank shooting demonstration. This train-



Erik Kamphuis visited Lannion Airport on 24 August 2018 and encountered this Cazaux-based Alpha Jet E48/8-MH. It belongs to EE03.008 "Côte d'Or", SPA57, as the seagull on the tail reveals.

Personal copy

ing ground of several square kilometres gives the Russian army the opportunity to display their latest hardware and do live firing on the range. During this 90-minute display visitors were treated to a continuous barrage of fire and explosions, but before it all started an Il-76 performed a water drop to prevent too much dust is blown around on the range. Throughout the demo the Air Force also participated with a number of helicopters such as the Ka-52, Mi-28 and Mi-35 firing at targets on the range and Mi-8 and Mi-26 dropping troops and vehicles. After the land demonstration, several of the demo teams flying from Kubinka also performed at Alabino.

The last venue is the Kubinka airfield, which is probably the most interesting location for many aviation enthusiasts. Besides seeing an impressive static line-up including the strategic bombers, almost all air force assets flew from Kubinka, such as the Russian Knights, Swifts and the Chinese Ba Yi (August 1) team. When the Russian Knights and Swifts performed at Alabino, the solo pilots also performed at Kubinka when the team returned, giving the spectators a nice bonus besides the departure and arrival of the team.

During each day at Kubinka there was a number of visiting aircraft and helicopters from the air force dropping off supplies and personnel. Ka-226, Mi-8 came in for a quick visit on several occasions and on the Friday an An-12 dropped in and departed later during the day whereas on the Saturday an An-26 was present most of the day parked just in front of the crowd line.

Compared to previous years, the area to get head-on photos of the aircraft leaving the runway and dropping their chutes was decreased in size. This made it a bit more difficult to find a good spot, but on the other hand the aircraft stayed a bit further away from the fences making it easier for photography and safer with wingtips and pylons no longer passing over the crowds.

On the Monday it was anticipated that a good number of aircraft would leave Kubinka back to their home bases (Kubinka only houses the Russian Knights and Swifts demo teams together with a Open Skies intelligence unit). A locally based Open Skies Tu-214 departing was the first movement of the day and after a short wait two Chinese Il-76s appeared in the circuit, somewhat high but at least a half-decent photos could be taken. The Chinese Il-76s were parked at the far end of the base to prepare the '1st of August' team for departure back home later in the week.

The first ARMY participants finally departed late in the morning, with several MiG-29SMTs, various helicopters and a Beriev A-50 among the highlights. During the morning it became clear that the brand new MiG-31K was towed from its hangar to the flight line. After a while excitement all along as the MiG-31 taxied to the runway and blasted out low and fast showing the large cruise missile underneath. Late afternoon the Russian air force gave a last treat when the characteristic Tu-95 took off, a sight and sound to behold.

For 2019, the ARMY forum will not include the Kubinka venue because of the MAKS exhibition at Zhukovsky during the same month. Kubinka is scheduled to participate again as an ARMY venue in 2020.

The log below shows all aircraft visible at the various venues with the visitors mentioned separately for each day.

Preserved near parking lot

11bl	MiG-19P	
54bl	MiG-21PFM	
01rd	MiG-23M	
14bl	MiG-29	old Strizhi c/s
3bl	Su-27M	Russkiye Vityazi c/s
07rd	Su-7BKL	

Preserved at base entrance

237rd MiG-17 on pole

Preserved Gorodok (housing area)

21rd MiG-21FL

Static

02wh	Yak-152	Yak-OKB
3112ye/157wh	Mi-26T2V	Rostvertol
87rd	Ka-52	35382615009
RA-0488G/15bl	MiG-15UTI	VVS aeroclub Kubinka
RA-1171G	Yak-18A	VVS aeroclub Kubinka
RA-61730	An-148-100E	800 AVB (Chkalovsky)
RF-01180	SM-2000P	Kubinski ATSK
RF-04474/72ye	Mi-171Sh	
RF-13383/83ye	Mi-35M	3308016
RF-13466/80ye	Ansats-U	
RF-19128	Ka-27M	AVMF-RF 859 TsBPiPLS
RF-30083/01bk	An-30B	226 OSAP Open Skies
RF-34036/48rd	Tu-22M-3	
RF-44450/02rd	Yak-130	
RF-64525	Tu-214ON	226 OSAP Open Skies
RF-67742	L-410UVP-E20	
RF-75308/11ye	Il-38M	AVMF-RF 859 TsBPiPLS
RF-78805	Il-76MD	
RF-81763/23rd	Su-35S	159 GvIAP? (Besovets?)
RF-81874/55rd	Su-30SM	
RF-91088/50ye	Mi-28N	
RF-92313/34bl	MiG-29SMT	116 TSBPIA (Astrachan)
RF-92322/46bl	MiG-29K	AVMF-RF
RF-92385/82bl	MiG-31BM	3958 AvB (Savasleyka)
RF-92957/47rd	A-50U	6955 AVB (Tver)
RF-94102/02rd	Tu-160M-1	121 TBAP (Engels)
RF-94124/16rd	Tu-95MS	184 TBAP (Engels)
RF-95077/41bl	Su-24M	0815302
RF-95482/92rd	Su-25SM	368 SHAP 25508110115
RF-95570/11ye	Mi-26	
RF-95841/10rd	Su-34	968 IISAP (Lipetsk)
1x	Korvet	Amphibian u.l.m.
1x	SK-04	u.l.m.

Flightline (West)

06wh ??	Mi-28N	
RF-13422/83rd	Ka-52	35382615005
RF-13424/85rd	Ka-52	35382615007
RF-13629/66rd	Mi-28N	Team Berkuty
RF-95302/201bl	Mi-28N	Team Berkuty
RF-95315/05wh	Mi-28N	15 Brigady/1
RF-95321/14ye	Mi-28N	Team Berkuty
RF-95324/07ye	Mi-28N	Team Berkuty
RF-95330/206bl	Mi-28N	Team Berkuty
RF-95346/70wh	Mi-28N	Team Berkuty
RF-13027/51rd	Mi-35M	
RF-13028/52rd	Mi-35M	
RF-13664/50rd	Mi-35M	
RF-91417/53ye	Mi-8AMTSh	
RF-91183/80ye	Mi-8MTV-5	4TSBPiPLS
RF-91184/84ye	Mi-8MTV-5	4TSBPiPLS
RF-91185/85ye	Mi-8MTV-5	
RF-91188/93bl	Mi-8MTV-5	
RF-13629		also had the bort number white outlined

Flightline (East)

02rd	J-10A	PLAAF/Ba Yi J10A0714
03rd	J-10A	PLAAF/Ba Yi J10A0715
04rd	J-10A	PLAAF/Ba Yi J10A0716
07rd	J-10S	PLAAF/Ba Yi J10S0311
10rd	J-10S	PLAAF/Ba Yi J10S0314
11rd	J-10S	PLAAF/Ba Yi J10S0315
16rd	Su-34	968 IISAP (Lipetsk)
18rd	Su-34	968 IISAP (Lipetsk)
02ye	An-2	std
1x	J-10A	PLAAF/Ba Yi (spare)
RF-30080/05bk	An-30B	226 OSAP Open Skies
RF-36052/87bk	An-30B	226 OSAP Open Skies
RA-26226 +1x	An-30B	226 OSAP Open Skies
RF-91925/32bl	MiG-29S	237 TsPAT/Strizhi
RF-91928/30bl	MiG-29S	237 TsPAT/Strizhi
RF-91929/29bl	MiG-29S	237 TsPAT/Strizhi

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RF-92134/34bl	MiG-29S	237 TsPAT/Strizhi	16rd	MiG-29	stored	
RF-90857/24bl	MiG-29SMT	116 TsBPiA (Astrachan)	25bl	MiG-29	stored	
RF-92312/32bl	MiG-29SMT	116 TsBPiA (Astrachan)	31bl	MiG-29	stored	
RF-91944/07bl	MiG-29UB	237 TsPAT/Strizhi	31rd	MiG-29	stored	
RF-91945/12bl	MiG-29UB	237 TsPAT/Strizhi	40bl	MiG-29	stored	
RF-91946/02bl	MiG-29UB	237 TsPAT/Strizhi	1x	MiG-29OVT	stored	
RF-92804/14bl	MiG-29UB	237 TsPAT/Strizhi	RF-92194/26bl	MiG-29UB	116TS BPiA, stored	
RF-06057/55ye	Mi-8AMTSh	(Thorzok)	08ye	Su-25	stored	
89rd +2x	Su-25UB		12rd	Su-25	stored	
RF-81702/31bl	Su-30SM	237 TsPAT/Russkie Vityazi	14ye	Su-25	stored	
RF-81704/33bl	Su-30SM	237 TsPAT/Russkie Vityazi	16wh	Su-25UB	stored	
RF-81705/34bl	Su-30SM	237 TsPAT/Russkie Vityazi	22wh	Su-25	stored	
RF-81706/35bl	Su-30SM	237 TsPAT/Russkie Vityazi	30ye	Su-25	stored	
RF-81722/37bl	Su-30SM	237 TsPAT/Russkie Vityazi	44ye	Su-25	stored	
RF-81754/63rd	Su-30SM	14 GvIAP ((Kursk)	46wh	Su-25	stored	
RF-81872/53rd	Su-30SM	14 GvIAP ((Kursk)	52wh	Su-25	stored	
RF-95845/17rd	Su-34	968 IISAP (Lipetsk)	68wh	Su-25	stored	
RF-81752/61rd	Su-35S	159 GvIAP? (Besovets?)	82wh	Su-25	stored	
RF-81761/21rd	Su-35S	159 GvIAP? (Besovets?)	31rd	Su-27	stored	
RF-64514	Tu-214R	226 OSAP Open Skies	56rd	Su-27	stored	
South side			24bl	Su-27UB	stored	
02bl	Su-25	engine runs	40bl	Su-27UB	stored	96310410057
RF-93527/05ye	Mi-26		42bl	Su-27UB	stored	96310408020
Storage 1, behind static (north-west)			66rd	Su-27UB	stored	
89rd, 90rd +1	Ka-52		56rd	Su-30 ?	stored	
2x	Su-25		48bl	Tu-134UBL	stored	46830
08bl	Su-27	Russkie Vityazi	Flying only			
10bl	Su-27	Russkie Vityazi	02wh	Yak-130	Yak-OKB	
11 ??	Su-27UB	Russkie Vityazi	201wh/01wh	Yak-152	Yak-OKB	
20bl	Su-27UB	Russkie Vityazi	Yak-152 landed on 26 August after the demo, departing after the end of the show.			
Storage 2, behind static (north-east)			Hangar (closed to public)			
02bl	Su-27M	Russkie Vityazi	731	Mi-8		
03bl	Su-27	Russkie Vityazi	RF-92472/97rd	MiG-31K		
11bl	Su-27	Russkie Vityazi	Visitors 23 August 2018			
14bl	MiG-29	Russkie Strizhi	RF-72905/47rd	An-72		
22bl	Su-27UB	Russkie Vityazi	RF-78809	Il-76MD		
20wh	MiG-23		RF-04412	Mi-8AMTSh		
40wh	MiG-29A	Russkie Strizhi	RF-90398/46rd	Mi-8AMTSh		
43wh	MiG-29A	Russkie Strizhi	The Il-76 flew over to Alabino in the distance.			
47wh	MiG-29	Russkie Strizhi	Visitors 24 August 2018			
88wh	MiG-29		RF-12561/16rd	An-12BK		
48ye	MiG-29		RF-61733	An-148	Rossiya	
Storage 3, across runway (south)			RF-72906/42rd	An-72		
11rd	An-26	stored	RF-78809	Il-76MD		
RA-26696 +1x	An-26	stored	RF-90602	Ka-226		
N12BA	DC-3	stored	Again, an Il-76 flew over to Alabino in the distance.			
N4550J	DC-3	stored				
75926	Il-22M-II	stored				
53wh outline +2x	MiG-23	stored				



During ARMY 2018 various Russian Air Force transporters visited Kubinka supporting the variety of fighters and maintenance personnel. Among them was this An-12BK, 16rd/RF-12561 visiting from Chakalovsky. (Kubinka, 27 August 2018, Jan Swart)



During ARMY 2018 Alabino park hosted demonstrations with army vehicles, helicopters and demonstration teams like the Chinese '1st August' and Russian 'Strizhi'. During the special forces demonstration this Mil Mi-26 05 yl, RF-93527, participated, dropping off an SUV and some troops. (Alabino terrain, 25 August 2018, Koen Hartkamp)

Visitors 25 August 2018

RA-0282G/01ye	Yak-52
RA-0653G	Yak-18
RA-0982G	Zlin 142
RA-2205G	Skyleader 500
RF-36069/02bl	An-26

Visitors 26 August 2018

01bl	An-26
RA-2205G	Skyleader 500
RF-78809	Il-76MD
RF-90398/46rd	Mi-8AMTSh
RF-95603/74ye	Mi-8AMTSh

And yes RF-78809 did his daily routine again: flying to Alabino in a distance.

Visitors 27 August 2018

20542	Il-76TD	PLAAF	
20545	Il-76TD	PLAAF	
33rd	An-12BK		
RF-12561/16rd	An-12BK		
RF-36059/04bl	An-26		
RF-36069/02bl	An-26		
RF-36157/53rd	An-26		
RF-94271/33bl	Il-78M	203 GvOAPSZ (Ryazan)	
RF-06803/56wh	Mi-26		
RF-90323/308ye	Mi-8		

Patriot Park exhibition area

10bk	Mi-8T		pres
742bk	Mi-17V-5V	Rostvertol?	
341wh/2302ye	Mi-35M	Rostvertol	
11ye	An-2		pres
14ye	Ka-27PL	MA VMF RF	pres
25ye	Mi-24V	preserved, Team Berkuty	
62ye	Ka-29	MA VMF RF	pres
1108ye	Mi-35M	Rostvertol?	
1707ye	Mi-28N	Rostvertol?	
1x	Ansats-U	blue c/s, Rostvertol?	
1x	Mi-24	preserved under shed?	
RF-13350/416ye	Ka-226		

Patriot Park museum

01bl	MiG-17	preserved
04bl	MiG-19PT	preserved
14bl	MiG-29A	preserved
52bl	Su-9	preserved
53bl	MiG-25PU	preserved
53bl	Su-24MP	preserved
62bl	MiG-27M	preserved
71bl	Su-15	preserved
83bl	MiG-29UB	preserved

11rd	Su-25T	preserved
12rd	Su-27	preserved
15rd	MiG-23UB	preserved
16rd	MiG-23MLD	preserved
17rd	Su-27UB	preserved
19rd	MiG-31	preserved
21rd	MiG-21UM	preserved
58ye	Ka-27PL	MA VMF RF preserved
01ye	Mi-8PP	preserved
14ye	Mi-8MT	preserved
16ye	Ka-29	MA VMF RF preserved
20ye	Mi-2U	preserved
80ye	Mi-26	preserved
1x	L-29	preserved
1x	L-39	preserved

Patriot Park helipad

RF-90602	Ka-226
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Credits: Coen van den Dries, Koen Hartkamp, Hans Hettema, Johan Moerman, Pieter van Polanen, Patrick van Stiphout

Combined trips

Lapland tour

Early 2018 my wife and I decided that it was time to plan our holiday. The original plan was to go to the air show of Lima, Peru, and after that continuing to do some sightseeing. As this was going to be a first for my wife, she opted against my proposal. So another plan had to be figured out.

After scanning various websites, including Scramble, I came across the Finish air show at Jyväskylä. Quickly, as this show was about six months earlier than the one in Peru, a draft plan was made. This plan got the approval of my wife. So after finalizing the preparation of the tour, it was time to head to Finland.

We decided to take the car with us and sail Travemünde to Helsinki. This is a 27hr journey in which you can start your holiday with just relaxing. We were hoping to catch something of the exercises held around the Baltic' seas by that time. We got no joy, as the ferry did not come even close. However we did see one helicopter far away.

Once we arrived in Helsinki we headed straight for our apartment. We noticed that it is not advisable to speed around Helsinki, as we noticed that every 5kms contained a speed camera. After a nice road trip, we opted not to go to Jyväskylä airport any more. We would go the next day.

After an early morning start we arrived one hour before the gates would even open, not knowing what to expect. We wanted to park on the taxi way, as this was the closest parking lot. Soon we learned that we were not going to be the only Dutch persons attending the show. The evening before at least a group of 10 flew in just for the show.

The show itself is not in this log, as this is part of the Airshow section. The show itself ranks within the top 5 of my worst shows ever. The whole day you would have back-light, the static was so tightly parked, that you could not take photos of the planes. There were four different nations with their Eurofighter and the Yanks with the Growler. Not a single plane could be photographed, not even after being the first person on the show due to advertisement poles almost leaning against the static planes. My word, and the other Dutch would share this with me, DO NOT GO in future, WASTE of money!

Monday was departure day, it was cloudy but still the best day to shoot. Also the local Vinka's returned back. The RAF Eurofighter returned about 30mins after departure, with most likely an emergency.

Jyvaskylä		18 June 2018
100008	S100B	72 ASC sq
ZJ916/916	Typhoon FGR4	29sq
HN-416	F-18C	HävLLv 11
HN-435	F-18C	HävLLv 11
HN-439	F-18C	HävLLv 11
HN-440	F-18C	HävLLv 11
HN-444	F-18C	HävLLv 11
PI-03	PC-12/47E	TukiLLv
VN-2	Vinka	HävLLv 41
VN-4	Vinka	HävLLv 41
VN-5	Vinka	HävLLv 41
VN-12	Vinka	HävLLv 41
VN-16	Vinka	HävLLv 41
VN-24	Vinka	HävLLv 41
VN-30	Vinka	HävLLv 41

We got two visits of the military police, but were allowed to stay where we were.

Once we were done, we continued our holiday to Lapland. We took the overnight car train to Rovaniemi. We did not visit the local airport, but made a quick stop at the local general aviation field of Sodankylä. In between we made a quick stop on a war time runway, which is the "highway" between Rovaniemi and Sodankylä. Given the lack of rubber markings one can assume that this was either new (asphalt) or long time out of use.

Sodankylä		19 June 2018
Except for the local glider club, nothing could be seen, nor was expected to be seen given the infrastructure.		

Whilst being near, we also paid a visit to Ivalo, but the terminal was closed, meaning no activity within the coming two hours.

Lakselv		21 June 2018
LN-DBR	Cessna	Private

Next on the list was my main goal, the North Cape. After having been 71 degrees south, I still had on my bucket list 71 degrees north. By visiting the North Cape, I had reached another goal in my life. Since the airport of the North Cape was along the route, we made a quick stop at Honningsvag. This tiny airport had a nice, almost missed plane, which was parked behind the terminal. The runway is just long enough for a Dash 8-100 and on both sides of the runway the freezing cold Barents Sea is waiting for you... Fences are high in Finland, but likely to prevent animals like reindeer and goose to jump over it.

Honningsvag		21 June 2018
I-AZRO	PA-28R	Private

LN-OPE	H120	Nor Aviation
LN-WIM	DHC-8-103B	Widerøe
SE-JHA	EC120B	Kallax Flyg

After been to the North Cape, with was completely sealed by fog, it was time to go Tromsø, with a night stop near Alta. Whilst driving we experienced the most desolated landscape ever seen. Driving for 50kms on road with no bends, we encountered no sign of life. No cars, no humans, no houses, no animals. Some roads are just 100km with no bend at all! After a full day driving we arrived in Alta. Upon driving towards the airport we noticed a Dash 8 landing. So something could be seen at least. Also here a massive fence of minimal three metres high. You cannot overlook the apron, just one plane you can see, which is parked most to the edge. The Beech was just heard starting up, so we waited a bit longer. We missed one helicopter, which was parked near the helipad. Assuming the next day we would see it again. However in the end, we did not go back the following day...

Alta		22 June 2018
LN-LTJ	Beech B200	Lufttransport
LN-WSA, LN-WSC	DHC-8-202Q	Widerøe

The next morning we continued towards Tromsø to spend the weekend over there. On Google maps a search was done for the best cabin to rent by AirBNB. We opted for a cabin in Kvaløysletta, which is west of the airport. The road here tend to go underneath the glide path of the airfield. This was a good choice. Bringing an air band receiver is wise here, as not all aircraft are shown on Flightradar. The weather was poor all the time up north, but the results on Sunday were good.

When we arrived on Saturday afternoon my second ERJ190E2 arrived after doing a return flight for Finnair to/from Hel-sinki. The airfield is dominated by Widerøe, SAS, Norwegian and Lufttransport.

Tromsø		23 June 2018
HA-LYR	A320 232	Wizz Air
LN-ABZ	PA-31-350	Private
LN-DYZ	B737-8JP	Norwegian Air Shuttle
LN-FTN	PA-31-310	Private
LN-LTA, LN-LTF	Beech B200	Lufttransport
LN-OLM	AS365N3	Private
LN-OLO	AW139	Lufttransport
LN-RCX, LN-RNN, LN-RRG	B737-883	SAS Airlines
LN-WEA	ERJ190E2STD	Widerøe
LN-WIU	DHC-8-103	Widerøe
SE-RLU	Ce560 Ultra	Grafair Flight Management

		24 June 2018
G-ECHB	Falcon 900DX	TAG Aviation
LN-DYN, LN-NGO	B737-8JP	Norwegian
LN-KYV	Beech 350ER	Sundt Air
LN-LTA, LN-LTJ, LN-LTK	Beech B200	Lufttransport
LN-OfG	AS350-B3+	Helitrans
LN-ONY	S-92A	Bristow
LN-RDV	DHC-8-402	Widerøe
LN-RGK, LN-RPE	B737-683	SAS Airlines
LN-RNO, LN-RPK	B737-783	SAS Airlines
LN-RRG	B737-85P	SAS Airlines
LN-RRH, LN-RRT	B737-883	SAS Airlines
LN-WFS	DHC-8-311	Widerøe
LN-WIG, LN-WIJ	DHC-8-103B	Widerøe
LN-WIU	DHC-8-103	Widerøe
LN-WSA, LN-WSC	DHC-8-202Q	Widerøe
LN-WSB	DHC-8-202	Widerøe
SE-RET, SE-REX	B737-76N	SAS Airlines

After a quick study of what was to be expected on Monday, I quickly learned that we had to be at the airport between 09:30 and 10:00. Which was a reasonable time for a touristic holiday, but also with the time we had to spend to drive to our next cabin. Between this time each type of plane of Widerøe would arrive. Luckily enough the first plane was a Dash 8-100, so I still could figure out the best place to be, as I had this type on picture already in Honningsvag.



Build in 1993 and delivered to Sweden, this AS350B3 moved to Finland in 1998 and became OH-HCG. Marco van Halum captured the Ecureuil at Kilpisjarvi on 25 June 2018.

			25 June 2018
LN-DYN	B737-8JP	Norwegian	
LN-KYV	Beech 350ER	Sundt Air	
LN-OfG	AS350B3+	Helitrans	
LN-RGK	B737-683	SAS Airlines	
LN-RPK	B737-783	SAS Airlines	
LN-RPL, LN-RPR, LN-RRW	B737-883	SAS Airlines	
LN-WDJ	DHC-8-402	Widerøe	
LN-WEA	ERJ190E2STD	Widerøe	
LN-WFS	DHC-8-311	Widerøe	
LN-WIL, LN-WIO	DHC-8-103B	Widerøe	
LN-WIT	DHC-8-103A	Widerøe	
LN-WSB	DHC-8-202	Widerøe	
LN-WSC	DHC-8-202Q	Widerøe	
SE-RIF	CRJ200PF	West Atlantic Sweden	

Whilst driving towards Muonio we passed two aircraft.

Kilpisjarvi heliport
OH-HCG AS350B2 Heliflite 25 June 2018
Just across the border with Norway, you will find Kipisjarvi. Whilst driving here my wife saw at sudden this Heliflite chopper. There was place enough for another three chop-pers, but were not seen not heard. So after a few clicks we continued.

After spending a few days in Muonio we were heading for home. We would take the night car train back from Rovaniemi to Helsinki. Whilst in Tromsø I had learned that the military exercise Arctic Fighter Meet was going on at Rovaniemi. So I was hoping for the best. We could go to Rovaniemi by two routes. We opted to go via Kittila. We know a Saab Draken on a stick should be present. However with the rush to go Rovaniemi, we almost missed the Draken, which is nicely camouflaged with olive drab.

Kittila 27 June 2018
DK-203 J35XS preserved
We did not even stop at Kittila. My wife took some shots whilst driving 50+km/hr. Once we arrived near Rovaniemi, we saw the first Hornet pair in take-off. So of to the airport to see the first ones already arriving back from their sortie. After a quick chat with a local enthusiast, I took my position as was advised by this local. Flying was intense. It were one hour flights, one hour ground time and back into the air, the whole day long. Flying was with mixed formations. The score was good and squadrons are confirmed by the news on the internet. It also looked like an aerial survey meet was in place, with all the aerial survey planes on the ground.

Rovaniemi			27 June 2018
289	F-16AM	331skv	
658	F-16AM	331skv	
663	F-16AM	331skv	
688	F-16AM	331skv	

711	F-16BM	331skv
39272	JAS39C	F21
39275	JAS39C	F21
39291	JAS39C	F21
39293	JAS39C	F21
39815	JAS39D	F21
HN-411	F-18C	HävLLv 11
HN-412	F-18C	HävLLv 11
HN-416	F-18C	HävLLv 11
HN-428	F-18C	HävLLv 11
HN-429	F-18C	HävLLv 11
HN-432	F-18C	HävLLv 11
HN-446	F-18C	HävLLv 11
HN-452	F-18C	HävLLv 11
HN-463	F-18D	HävLLv 11
HW-364	Hawk Mk66	HävLLv 41
HW-365	Hawk Mk66	HävLLv 41
HW-368	Hawk Mk66	HävLLv 41
PI-04	PC-12/47E	TekiLLv
VN-25	Vinka	HävLLv 41
EI-FJN	B737-8JP	Norwegian Air International
LN-NPZ	PA-31-310	Blom
OH-LVD	A319-112	Finnair
OH-PCO, OH-PJC	PA-28-140	Private
OH-PJR	PA-28R-200	Private
PH-SVY	PA-31T	Slagboom en Peeters
PH-XRC	B737-7K2	Transavia Airlines
SE-IUV	RC690C	Wermandsflyg AB
SE-JRG	EC145T2	Scandinavian Air Ambulance

After two full circles all but the Norwegian dual had flown and I got bored and we opted to do some tourist stuff.

Helsinki		28 June 2018
EC-LPN	CRJ1000	Croatia Airlines
EI-FJC	B737-81D	Norwegian Air International
EI-FJK	B737-8JP	Norwegian Air International
EI-FVX	B737-800	Norwegian Air International
EW-275TI	An-12BK	Ruby Star Airways
LN-RGC	B737-86N	SAS Airlines
LN-RKK	A321-232	SAS Airlines
N349UP	B767-34AF	United Parcel Service
OE-IZD	A320-214	easyJet Europe
OH-ATE	ATR72-212A	Nordic Regional Airlines
OH-ATG	ATR72-212A	Nordic Regional Airlines
OH-ATH	ATR72-212A	Nordic Regional Airlines
OH-ATI	ATR72-212A	Nordic Regional Airlines
OH-ATO	ATR72-212A	Nordic Regional Airlines
OH-ATP	ATR72-212A	Nordic Regional Airlines
OH-BEX	Beech C90	Scanwings OY
OH-HMX	EC135P2+	Skargardshavets Helikoptertjanst
OH-LKE, OH-LKG, OH-LKM	ERJ190LR	Finnair
OH-LKN	ERJ190LR	Finnair
OH-LTT	A330-302E	Finnair
OH-LVL	A319-112	Finnair
OH-LWB	A350-941	Finnair

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OH-LXA	A320-214	Finnair
OH-LZE	A321-211	Finnair
OY-TCI	A321-211	Thomas Cook Scandinavia
PH-EZM	ERJ190STD	KLM Cityhopper
TC-SEZ	B737-8HC	SunExpress
UR-PSF	B737-84R	Ukraine Int'l Airlines
VP-BAD	A320-214	Aeroflot Russian Airlines
YL-CSA	CS300	Air Baltic

As we had time left in Helsinki, we opted to visit the local nightmare airport. The aircraft came in from the east, which is the most difficult part to stay in. After 15mins they opted to come in from the north, which is an even worse option, with fences again up to 3m high and the surrounding terrain downhill from the runway. Luckily enough (?) all was made up with the arrival of the An-12.

After this we headed for the ferry, which left, for us, too early as now we would just missed all the Finnair widebodies, but I would had rather missed these then my ferry back home.

Credit: Marco van Halum

Civil trips

This trip was organised by Ian Allan Aviation Tours, main aim being flying as many Russian-built aircraft types like An 24, Tu 134 and Tu 154 still on scheduled service, on our way to our main destination: Mirny (Yakutia, Siberia), 4170 km east of Moscow. Unfortunately, timing proved wrong, since the Skripal poisoning attempt deteriorated relations between UK and Russia to such an extent all ramp tours and photography permissions being negotiated were suddenly denied shortly before our departure. This severely hampered our results, limiting photography to short periods between check-in and actual flight.

Moskov-Domododovo		19 September 2018
ER-AXV	A320-211	Air Moldova
RA-42343, RA-42402	Yak-42D	Uzhavia
VP-BRE	B767-3W0	Royal Flight
VP-BRG	B737-53C	Nordavia
VP-BTV	A319-114	S7 Siberian Airlines
VP-BUY	B767-3Y0	Azur
VQ-BCI	A320-214	Ural
VQ-BEZ	B757-2Q8	Azur
VQ-BYD	ERJ170	S7 Siberian Airlines
Izhevsk		19 September 2018
RA-42368, RA-42402	Yak-42D	Uzhavia
RA-42424	Yak-42D	Lukoil-Avia
RA-65930	Tu-134	ex Izhavia n/t

From this small airfield, with a few aircraft only on ramp, we were supposed to fly a Let 410 of Orenburshye Airlines on their scheduled flight to Ufa. However, this route appeared no longer operated (Orenburshye ceased operations?) and a bus had to be used instead.

Ufa		20 September 2018
RA-02850	BAe125-700	
RA-42373	Yak-42D	all white (Tuhuran Avia)
RA-42384	Yak-42D	Izhavia
RA-47351	An-24RV	Turukhan
RA-89054	SSJ100	Gazpromavia
VP-BFO	B737-524	UTair
VP-BGL	ERJ135BJ	(Rusjet)
VP-BWO	A321-211	Yamal Airlines
VQ-BAD	B737-524	UTair
VQ-BBO	ERJ170	S7 Siberian Airlines
VQ-BIE	B737-45S	UTair
VQ-BLE	ATR72-500	UTair
VQ-BLH	ATR72-500	UTair
VQ-BMD	ATR72-500	UTair
VQ-BOE	A321-211	Nordwing
VQ-BPB	CRJ200	Yamal Airlines

Ufa town		20 September 2018
RA-46447	An-24RV	ex Bashkirskie Airlines pres
This Antonov, c/n 87304409,		is now preserved in the Russian

Ministry of Emergency Situations colour scheme, next to some firefighting vehicles, although never served with that organisation. It was previously preserved in a rather fancy c/s until 2017.

Ekaterinburg-Koltsovo		20 September 2018
VP-BJV	A319-112	Ural Airlines
VQ-BLH, VQ-BLI	ATR72-500	UTair

Tyumen		20 September 2018
RA-46650	An-24	
VQ-BLJ	ATR72-500	UTair

Tyumen town		21 September 2018
60bk	L-29	Preserved

Tyumen-Plekhanova		21 September 2018
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On this small airfield UTair has large facilities to perform maintenance on its large fleet of helicopters and a small aviation museum with aircraft memorabilia is open to the public at their main office at the perimeter of the field. Fence around the field is blocking the view with plastic and concrete. However, the airfield includes a dump with 28 Mil helicopters and 34 An 2's (Google earth), most of them with faded registrations. By walking the north-side of the old concrete wall, several holes enabled photographing some of these.

4L-KNM	Mi-8MTR-1	
CCCP-32337	An-2	fuselage
CCCP-40449	An-2	Aeroflot c/s, fuselage
RA-22426	Mi-8AMT	fuselage
RA-24421	Mi-8T	no tail boom
RA-69123	An-2T	

RA-69123 is a Turboconversion with Lycoming-engine, so not an An-3. This was told us at the museum. Also a small locally built amphibian took off.

Tyumen-Roshchino		21 September 2018
RA-89088, RA-89091	SSJ100	Yamal Airlines
VP-BGQ	B737-8LJ	Rossija Airlines
VQ-BMA	ATR72-500	UTair
VQ-BSG	A320-214	Aeroflot

Krasnoyarsk (Jemelyanovo) 21 September 2018
A regional airfield, homebase of (10+) An 24s, mainly Angara Airlines and a few An-28 and L 410s of SiLA (Siberian Light Aircraft).

RA-89088	SSJ100	Yamal Airlines
VQ-BKP	ATR42-500	

Irkutsk		22 September 2018
RA-46679, RA-46505	An-24RV	
RA-47848	An-24B	Angara Airlines
RA-47355	An-24RV	Angara Airlines
RA-65693	Tu-134B-3	Alosa
RA-67060	L-410	SiLA
VP-BOG	A320-214	S7 Siberian Airlines

Mirny		22 September 2018
RA-06081	Mi-26T	Alosa
RA-22435	Mi-171C	Alosa
RA-22458	Mi-171C	a/w
RA-22744, RA-24741	Mi-8TB	Alosa
RA-24417	Mi-8	Alosa
RA-24536, RA-25376	Mi-8T	Alosa
RA-26668	An-26-100	Alosa
RA-41904	An-38	
RA-41907	An-38	Alosa no engines
RA-61714	An-148	Alosa
RA-65693	Tu-134B-3	Alosa
RA-76360, RA-76373	Il-76	Alosa
RA-76420	Il-76	Alosa
RA-85684	Tu-154	Alosa
RF-31131	Mi-8T	MChS Rossii
VP-BLE	B737-8Q8	S7 Siberian Airlines

RA-41907 is awaiting new engines

Stored			
CCCP-	Mi-26	Aeroflot c/s	wreck
RA-22394, RA-22571	Mi-8	Alosa	wreck
RA-22879	Mi-8	Alosa	no rotors

RA-24564	Mi-8T	Alrosa	no rotors
RA-25129	Mi-8MTV	Nizhne Lenskoye	wfu
RA-25606	Mi-8T	Alrosa	no rotors
RA-06036	Mi-26T	Alrosa	no rotors
RA-40320	An-2	Alrosa	no engine
RA-54908	An-2	Alrosa	no engine
RA-54909	An-2	Alrosa	no engine
RA-84736	An-2	Alrosa	no engine

Mirny was part of a wide tundra until the late fifties, when geologists discovered diamonds. Mining concessions were given to Alrosa Mining company. As a result, this company built a new city called Mirny, but also built an airport and established Alrosa Airlines, since aviation was the only means of transportation. A deep hole in the earth, next to the airport, shows how much earth has been processed since then. Because the airport and airline are still privately owned, restrictions proved less strict than elsewhere in Russia. A short ramp tour combined with pleasure flight in an An-38 were organised.

Alrosa Airlines (two diamonds being their logo) operated Tu-134s and Tu-154s to transport employees from main cities in Russia, however, B737s are gradually replacing these types of aircraft. The only survivors of these types are due to be withdrawn from service next spring. Mil Mi-8s, Mi-26s, An-2s and An-38s are in use for prospecting purposes.

Dumpsite

RA-76357	Il-76	ex Alrosa	no engines
RA-85654, RA-85675	Tu-154	ex Alrosa	no engines
RA-85728, RA-85782	Tu-154	ex Alrosa	no engines

This dumpsite could be photographed from outside the airfield by climbing up the artificial hill of mining residue. At the other side of the airfield, a derelict An 24 and derelict Mi 8 are dumped.

Mirny town 23 September 2018

In the town of Mirny you can find a preserved An-2 in Aero-flot colours. Only the fuselage remains and the serial ending in 2502 is painted over.

Mirny 24 September 2018

RA-46488	An-24	Alrosa
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Polyarny (Udachny) 25 September 2018

RA-02522, RA-17812	An-2	Alrosa
RA-22902	Mi-8	Alrosa
RA-85757	Tu-154	Alrosa

This is another small mining town built and operated by Alrosa. From the small airfield only a few aircraft are active.

Moscow-Domododovo 25 September 2018

RA-42427	Yak-42D	Izhavia
RA-64049	Tu-204-100	Red Wings
RA-73025	A319-115	Rossija State Flight Dir.
RA-89035	SSJ100	Azimuth
RA-96006	Il-96	Domodedovo Airlines wfu
VP-BBG	A319-112	Ural Airlines
VP-BMW	A320-214	Ural Airlines
VP-BTE	A319-112	Ural
VQ-BET	A320-114	S7 Siberian Airlines

Firedump

RA-02810	BAe125	
RA-75834	Il-18	n/t
RA-86499	Il-62	ex Domodedovo Airlines

The firedump is located next to parking P1. Limited opportunities for photography through the fence.

26 September 2018

4K-AZ11	B757-200	Azerbaijan
P4-SOM	B737-8KS	Somon Air
RA-42427	Yak-52D	Izhavia
UK-32015	A320-214	Uzbekistan Airways
VP-BHF, VP-BHG, VP-BHL	A319-114	S7 Siberian Airlines
VP-BNG	B737-83N	S7 Siberian Airlines
VP-BNY	B767-3Y0	Azur Air
VP-BPO	A321-211	S7 Siberian Airlines
VP-BRB	A321-231	Red Wings
VP-BSJ	B777-21H	Aero
VP-BTE	A319-112	Ural
VP-BUJ	B757-231Q	Uzbekistan Airways
VP-BWY	A320-232	Red Wings
VQ-BCE	A321-231	Ural
VQ-BDZ	B737-8K5	Nord Star
VQ-BEZ	B757-2Q8	Azur
VQ-BYA, VQ-BYV	ERJ170	S7 Siberian Airlines
VR-AOB	ERJ195	Montenegro

P4-SOM was re-registered to VQ-BBL four days after our visit.

Credit: Harry Sluyter



This colourfull Alrosa Tu-154M RA-85684 holds a special historical fact. On 7 September 2010 an emergency landing resulted in a seven month stay on an abandoned airstrip in Izhma. Named Izhma by Alrosa staff, this airliner has been donated to Novosibirsk Museum of History of Aviation. (Mirny, 22 September 2018, H. Sluyter)

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Helitech International 2018

by Gert Jan Mentink

Swiss company Kopter must have expected an order for an SH09 helicopter from Systemic Aviation Services of Malaysia as they painted their first prototype HB-ZXA in the colours of SAS Kopter, which is the new name for a company that used to be known as Marengo Swisshelicopter. As a newcomer on the light single engine helicopter market they have an already impressive order book. (Amsterdam, 18 October 2018, author)

Introduction

Many thousands of 'rotorheads' attended the annual Helitech, the 2018 edition of which was organised from 16 to 18 October at the Amsterdam RAI Congress Centre in the Netherlands. Helitech International is both an exhibition as well as a conference, covering almost every aspect of modern and future rotary flight. Careful positive comments on the helicopter market can be heard on the congress floor with almost worldwide economic growth and an oil price which is around 18% higher than during Helitech 2016. There is an increased interest in single engine training helicopters as well as in heavy medium type helicopters. Types like the Leonardo AW189 and Airbus H175 seem to conquer terrain on real heavies like the H225.

Airbus

One of the most successful manufacturers of Helitech was surely Airbus. They announced the sale of no less than 19 new helicopters during the exhibition. Six new H135s in the HEMS (Helicopter Emergency Medical Services) will go to the Dutch Automobile Association ANWB. The first three of these will be delivered in 2019-2020. German DRF Luftrettung has ordered 3 H145s, also in the HEMS role. Six light Airbus helicopters will be delivered to the French SAF group and 4 H125s will go to Norwegian operator Helitrans. The Airbus helicopters present at Helitech were ANWB owned H145 PH-HOW (20082), Heli Holland Off shore's new H175 PH-OSF (5004) and an impressive all-white Super Puma on a low loading trailer. This AS332L-2 was unmarked LN-OHJ (2594), a 2003 built former CHC Helikopter Service frame that used to fly from Stavanger Sola in Norway. A fuselage mock-up of the new H160 in HEMS configuration, as will be used by Babcock, was also shown.

Fortunately customers have regained confidence in the Super Puma, after the fatal Norwegian accident in April 2016 and the following no-flying ban. After this ban was lifted in 2017, Airbus has this year been able to secure an order for one H225 for the Japanese Coast Guard and 21 H225s for the

Ukrainian Ministry of Interior.

Airbus showed their vision on improving helicopter performance. While their competitors on the market focus on (expensive) tiltrotor technology, e.g. Bell V-280 Valor and Leonardo with its AW609, Airbus has a design based on a conventional helicopter: the Racer. This acronym stands for Rapid And Cost-Effective Rotorcraft, a demonstrator optimised for a cruise speed of more than 400 km/h. It will incorporate a host of innovative features and will be achieving the best balance between speed, cost-efficiency, sustainability and mission performance. An innovative "box-wing" design, optimised for aerodynamic efficiency, will provide lift in cruise mode while isolating passengers during ground operations from the "pusher" lateral rotors designed to generate thrust in forward flight. Optimised for performance and low acoustic signature, these lateral rotors as well as the main rotor will be driven by two of the new Safran Aneto-1X engines. Final assembly of the demonstrator is expected to start in 2019, with a first flight the next year.

Bell

At the Bell stand, their new model 505, which is also known as the Jet Ranger X, was shown in the form of F-HJRX (65064). The presence of a Bell 505 was a novelty for the Netherlands. Obviously this single engine helicopter is the successor of the famous Bell 206 Jet Ranger. It features a complete glass cockpit with much larger windows than the B206, giving the type a more state-of-art looks. Thanks to the use of lightweight aluminium and modern composite materials the airframe is also considerably lighter. In the 505, Bell has chosen for the French Safran / Turbomeca Arrius 2R engine with 504 shaft hp. Currently around 100 Bell 505s are already flying, most of these in Europe and more than this number are on order in China. F-HJRX is owned by Heli Protection Europe, an Italian company working in the field of flight training and various other activities including aerial firefighting (with AS350s and Bell 212s). HPE also operates from Canet les Maures in France, hence the French registration of the new Bell 505. Considera-

bly larger was Bell 429 HB-ZOP (57324) which was also shown at Bell Helicopters. This helicopter, in HEMS configuration is owned by the Swiss company Lions Air Skymedia AG. They operate a fleet several bizjets, and (mostly Airbus/Eurocopter) helicopters.

Kopter

Another newcomer at Helitech was Swiss company Kopter with its SH-09 prototype HB-ZXA (01). Last year the company changed its name, they were formerly known as Marengo Swisshelicopter. For the occasion, HB-ZXA was painted in the colours of Malaysian company Systematic Aviation Services. This was done as a courtesy to their latest customer, as SAS signed a contract for one SH-09 during Helitech 2018. As the first prototype (P1), HB-ZXA has now been grounded and will only be used for display purposes. The flight testing is currently done by the second prototype (P2), HB-ZXB, while a third machine, HB-XZC (P3) is now used for ground testing. It is expected that HB-ZXC will make its first flight before the end of 2018. Kopter has an already impressive order book: per October 2018 they have logged 63 firm orders and around 130 commitments and letters of intent.

Leonardo

Italian company Leonardo was represented by an AW169, D-HHTJ (69033), owned by Heli Service International. They operate several AW139s, AW169s and BK117 helicopters from a number of bases along the Northern coastline of Germany. Heli Service provides flights for crew change on oil rigs, and for wind turbine maintenance. On 18 October Leonardo announced that the Portuguese Ministry of Defence (MoD) has selected the AW119Kx as its new multirole single engine helicopter to meet its future operational requirements. The Portuguese Air Force is set to take delivery of five aircraft with an option for a further two units. Deliveries are to start

in late 2018 from Leonardo's plant in Philadelphia (PA) USA, with completion of deliveries by early 2020. The contract awarded by the Portuguese MoD is valued in excess of €20 million. The AW119Kx helicopters will be used to perform a wide range of roles including training, MEDEVAC, troop transport and short range maritime search and rescue (SAR) and may be used for firefighting.

Helitech 2019

It has been announced that the 2019 Helitech International will be held at the new exhibition centre of Farnborough, U.K., on 5 to 7 November. It will have additional value over Amsterdam, as this location at an airport will allow manufacturers to provide demo-flights for potential customers.

Helicopters at Helitech 2018

	Bo105	fuselage only
D-HHTJ	AW169	Heli Service International
F-HRJX	Bell 505	Heli Protection Europe
HB-ZOP	Bell 429	Lions Air Skymedia
HB-ZXA	SH-09	Kopter
(LN-OHJ)	AS332L-2	ex CHC Helikopter Serv.
PH-HOW	H145	ANWB Medical Air Ass.
PH-OSF	H175	Heli Holland Offshore

Another Bell 505

Although it was not a visitor to Helitech International 2018, a second Jetranger X arriving in our country on 16 October is worth mentioning. The helicopter concerned was OO-JRX (65079) which flew to the Amsterdam Heliport on 16 October. It came from its homebase Antwerp, Belgium, so that its passengers were able to pay a visit to the Helitech. 'Romeo X-ray' is registered to Helimo N.V. since June 2018.

Credits: Aironline, Scramble forum.



Another first for the Netherlands was this Bell 505, a direct competitor of the Kopter SH-09 on the first page of this article. The manufacturer likes to refer to the 505 model as the Jet Ranger X. The resemblance with the original Bell 206 is striking, except for its 'look-through' nose section, and, in the interior, its 'glass cockpit' Internally there is an even more important difference with its predecessor. While the new 505 is powered by a (French) Turbomeca Arrius 2R, the classic Jet Ranger is powered by an (American) Allison 250. (Amsterdam, 18 October 2018, author)

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Escuela de Aviación Naval

Mexico's Naval Aviation School – La Paz



Enrique Giese
Willem Sonneveld

No less than thirty Moravan Zlin 242L Gurus were delivered to the Mexican navy, and usually some of these with their distinctive yellow colours can be seen on the hot apron of BAN La Paz waiting for another training flight. (all photos by Enrique Giese)

Seventy-five years after its creation, on 9 October 2018, the Mexican Naval Aviation School (Escuela de Aviación Naval, ESCAVNAV) opened its doors for a graduation ceremony.

History

In 1943, the Second World War and increasing German activity in Mexico's waters, the Mexican government realized it had to build a credible naval aviation branch to counter the threat, and in February 1943, the first naval air squadron (Primer Escuadrón Aeronaval) was erected at Tampico (Tamaulipas state), on Mexico's Gulf Coast. To aid in the growing demand, a few months later, on 29 August 1943, President General Manuel Avila Camacho issued a decree to create a Naval Aviation School. After an initial start at Balbuena airfield (MEX) near Mexico City, the site of Las Bajadas (literally, the lowlands) near the port of Veracruz (VER) was chosen to house the school, and no later than 1 September, construction work started. The school moved to Las Bajadas during the same year. Training pilots started with three Fairchild PT-19s, which were taken over from the Mexican air force. Their numbers later grew to six aircraft. Already in 1944, the first class of aircraft mechanics graduated.

Current ops

Flash forward to 2018, the Naval Aviation School is based at Base Aeronaval (BAN) La Paz (BCS). It moved here on 16 November 2000 and occupies very modern facilities at the airport of La Paz, which houses a large fleet of training aircraft and helicopters. New facilities were inaugurated in mid-2015 and allow for an integrated syllabus with the naval academy (Heroica Escuela Naval Militar) at Veracruz. La Paz is situated on the 775-mile long Baja California peninsula in a somewhat isolated location. The airport is the main gateway to the region, which enjoys very favourable year round weather conditions to facilitate pilot training. On 19 October 2018, golden wings were handed to the 42nd graduation of helicopter pilots. No less than 278 helicopter pilots and 305 fixed wing pilots have graduated from the Naval Aviation School over the 75 years of its existence.

Schweizers and Zlins

Twenty-seven aircraft and twelve helicopters are currently in use. The latest additions are eight Schweizer 333s, taken over from the Mexican Attorney-General Office (PGR). Delivered to the PGR for security patrols in 2004 and 2005, the efficient Schweizer 333 has taken over the majority of helicopter

training hours from the MD500E, which is now retired, and the Schweizer 300C, of which four are still in service. The Schweizer 333s saw overhaul with a company at Penn Yates County Airport (NY) before delivery to the navy in recent years. The fixed-wing programme is flown on the sturdy Zlin 242L Guru, built by Moravan in Otrokovice (Czechia). The Mexican navy is the world's largest user of this type, which were acquired in two badges. The first ten Zlins entered service in 2002, followed by an additional twenty aircraft in 2013-2014. Below is a rundown of the three active types of the school:

Schweizer 300C

ANX-2422	active	ex AMHE-422	S-1894	oct18
ANX-2423	active	ex AMHE-423	S-1895	oct14
ANX-2424	active	ex AMHE-424	S-1896	oct18
AMHE-425	w/o 28apr14		S-1897	
ANX-2426	active	ex AMHE-426	S-1923	oct18

Schweizer 333

ANX-2427	active	ex PGR		oct18
ANX-2428		known delivery		
ANX-2429	active	ex PGR		oct18
ANX-2430	active	ex PGR		oct18
ANX-2431	active	ex PGR		oct18
ANX-2432	active	ex PGR		oct18
ANX-2433		known delivery		
ANX-2434	active	ex PGR		oct18

Z242L

AME-400	w/o 05dec12	ex ME-201	0749	
ANX-1401	active	ex ME-202, AME-401	0750	oct18
AME-402	unknown	ex ME-203	0751	jul12
ANX-1403	active	ex ME-204, AME-403	0752	oct18
ANX-1404	active	ex ME-205, AME-404	0753	oct18
AME-405	w/o 24jun08	ex ME-206	0754	
AME-406	w/o 05jul05	ex ME-207	0757	
ANX-1407	active	ex ME-208, AME-407	0758	oct18
ANX-1408	active	ex ME-209, AME-408	0759	sep14
ANX-1409	active	ex ME-210, AME-409	0760	oct14
ANX-1410	active	ex AME-410		feb14
ANX-1411	active	ex AME-411		oct14
ANX-1412	active	ex AME-412	0795	oct18
ANX-1413	active	ex AME-413	0796	oct18
ANX-1414	active	ex AME-414	0797	oct18
ANX-1415	active		0798	oct18
ANX-1416	active		0799	oct18
ANX-1417	active		0800	oct18
ANX-1418	active			jul15

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ANX-1419 active
 ANX-1420 active
 ANX-1421 active
 ANX-1422 active
 ANX-1423 active
 ANX-1424 active

0802 oct18
0803 oct18
 oct14
0805 oct18
0806 oct18
0807 oct18

ANX-1425 active
 ANX-1426 active
 ANX-1427 active
 ANX-1428 active
 ANX-1429 active

0809 oct18
0810 oct18
0811 oct18
0812 oct18
0813 oct18

Construction number **0804** was noted at Otrokovice (Czechia) for rework in May 2017, no tie-up is known.



The Schweizer 333 is the new kid on the block of the Escuela de Aviacion Naval. Eight were taken over from the PGR, of which six have been noted in service to date.



A full apron, packed with yellow training birds! The Schweizer 333 and Zlin 242L share the large apron at BAN La Paz with aircraft of operational squadrons of the navy.



The Zlin 242L has some distinctive features like landing gear sockets and a forward sliding canopy. The latter comes to good use before and after a flight in the hot conditions in Baja California Sur!

Dutch Aviation Society

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The main activities of the Dutch Aviation Society are: publication of the monthly magazine 'Scramble', maintaining the aviation website www.scramble.nl, organising spotter conventions, maintaining an aviation information database, publishing from this aviation information database and other activities aimed at promoting the aviation hobby in general.

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Scramble Magazine:
ISSN 0927-3417

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The Army exhibition at Kubinka this year again provided great photo opportunities, including the takeoff of the MiG-31 RF-92472/97 (red). Unfortunately, during the showdays this MiG remained behind closed doors. (Kubinka, 27 August 2018, Jan Swart)



The Tu-95MS RF-94124/16 (red) from Engels Air Base was another example that for many great shots one had to wait for departure day. (Kubinka, 27 August 2018, Koen Hartkamp)



Il-76MD RF-78809 daily came over from Alabino to show its forest fighting potential. (Kubinka, 25 August 2018, Koen Hartkamp)



On the occasion of the 100th anniversary of the Republic of Latvia, AirBaltic has put an Airbus A220 in a festive look. YL-CSL now flies around in the red and white colors of the national flag. (London-Gatwick, 19 November 2018, David Long)



Oman low-cost airline SalamAir was founded in 2016 and owns a fleet of five A320s. A40-OVB was delivered in February 2017 and flew before that for TAM as PR-MHJ. (Dubai-International, 21 September 2018, Simon Titchmarsh)



Hevilift supports industry and governments with Oil & Gas Industry Support, Mining Industry Support, Seismic Surveys and many more. Hevilift has bases in five countries including Australia. VH-YWH is the sole ATR42 in their Australian fleet. (Brisbane, 8 November 2018, Ton Jochems)