



473
October 2018

Scramble



*Great Independence Parade
Farnborough Air Show
Villaroche Air Legend
Pitch Black 2018*

DUTCH AVIATION SOCIETY



Gradually, Pakistan is increasing its fleet of AW139s becoming a major operator in the process. On 14 August, four were delivered to the Air Force making ten for that branch of the armed forces in total. Other agencies, like the Army and Government, operate ten more. (CSX81939/17, Venegono, 30 July 2018, Fabrizio Capenti)



AW139 I-EASY/08 was noted in July during a pre-delivery testflight in standard Nepalese green camouflage c/s. Only recently the Ministry of Defence declared that it had purchased two helicopters, the other one being the Airbus H125. (Venegono, 5 July 2018, Fabrizio Capenti)



Two more AW139s are being added to the two already in Bangladesh. As the colour scheme already suggests, these will mainly be used for search and rescue duties. The serial, 811, consists of the last three of its construction number 31811 and test registration is clearly seen. (Venegono, 3 September 2018, Fabrizio Capenti)

Editorial

Last month a thin issue but like we promised this month a bumper issue, with lots of sections making up for their absence. We therefore have no less than 120 pages of aviation reading pleasure!

Not only that, but we also have three articles for you. First a comprehensive overview of the Farnborough International Air Show 2018, plus visitors. Another overview is that of Australian exercise Pitch Black, a biennial three week multinational large force employment exercise conducted from RAAF Base Darwin and RAAF Base Tindal. The 2018 edition was held from 27 July to 17 August 2018. The final one is Paris-Villaroche Air Legend 2018, a warbird show held over the weekend of 8-9 September 2018.

This month a few changes in the editorial team. We welcome Marc-Antony Payne as our new Russia news and database editor and he comes with a wealth of experience! This means that Patrick Roegies will now cover Greece, which Marco Dijkshoorn handed over with pain in his heart. He can now fully focus on Turkey and Cyprus however. Bram van Roosmalen is taking Israel over from Marco Pennings (as he is currently unavailable due to work commitments abroad), and the rest of Marco Pennings' countries are divided among the other editors.

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

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

Cover Photo



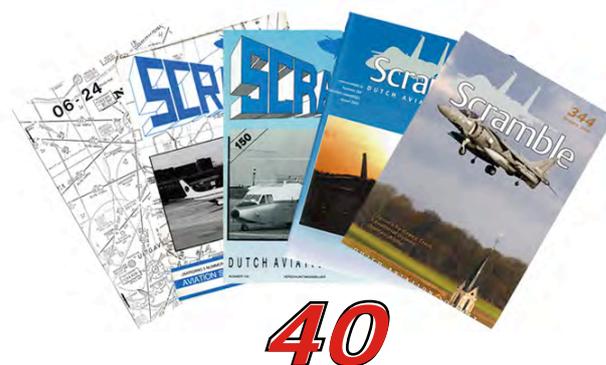
Previously operated by Delta Private Jets Gulfstream N650DA is currently being operated by Executive Jet Management. This is the second G650 to visit Suriname. (Paramaribo, 3 September 2018, Andrew Muller)

Important dates

Scramble 474
Deadline copy: 16 October 2018
Deadline photos: 23 October 2018
Planned publication date: 6 November 2018

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Scramble World Airline Fleets 2018	242 pages
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 summer Transavia only operated one aircraft in Sunweb colours and before the summer is over we had to publish at least one side of the Boeing 737. PH-HSJ has different liveries on both sides. Ton Jochems already took this photo on 1 July 2018 when the aircraft was parked outside hangar 5 at Schiphol-East. (Amsterdam - Schiphol, 1 July 2018, Ton Jochems)

Amsterdam

		August 2018					
01.D-BUZZ	Ce750	Air X Executive Jets	03 AXG24	D-ITMA	Ce525A	Luxaviation Germany	LXG22A
F-HEND	Ce510	Astonjet	dep ASJ152	EI-FYH	B737-8	Norwegian	f/v IBK476/7
HI1025	G400	Helidosa	f/v 04	LX-VMF	Ce560XL	Luxaviation	11 LXA15P
N79MA	G550	Meadow Air	03	N707FJ	Falcon 900	Exxaero	07
N175BG	G-III	Worldwide Lottery		N904TS	G450	DSWA	07
N910RW	TBM-910	Redwood	02	SP-LNM	ERJ195AR	LOT	f/v LOT269/70
OE-FPP	Ce510	GlobeAir	02 GAC445C/112H	VP-CLH	G650ER	Jet Aviation Business Jets	f/v 06
02.4X-ELA	B747-458	EI AI	ELY337/8	06.D-CEFE	Ce525C	E-Aviation	EFD4E
A6-EUS	A380-842	Emirates	f/v UAE149/50	EC-ISY	B757-256	Privilege Style	07 VLG8306/5
D-CAWR	Ce560	Aerowest		EC-MXM	B737-85P	Air Europa	f/v AEA1091/8
G-HOTY	CL-604	Jet Exchange	XCH68	M-MJLD	Ce680A	CCC Isle of Man	
LX-LAA	Lj45	Lux. Air Ambulance	DUK7AMB	N1F	G650	Pursuit Aviation	
N85NV	G-V	Executive Jet Management	04	OO-JWB	PC-12/47E	Nextgen Partners	
N118AP	PC-12/45	Buckman Aviation	dep	07.G-CIEL	Ce560XL	Luxaviation UK	LNx73CE
N143QS	Global 6000	NetJets	03	LY-MGC	B737-4Y0	Grand Cru Airlines (a/w)	TAR880/1
N515TJ	Beech 400A	Blackburn Int'l	19	G550	G550	711 Cody	f/v 10
OK-ESC	Beech 400A	Time Air	03 TIE494S/597S	Ce525A	Ce525A	White Sparrow	f/v MOZ151
OY-CLY	ATR72-212A	Alsie Express	MMD6360	B737-86N	B737-86N	TUI Belgium	TFL616/5
OY-CLY	ATR72-212A	Alsie Express	04 MMD6352	PC-12/47E	PC-12/47E	Widex	CAT210/1
T7-APP	Ce525A	Artjet	04	B737-93YER	B737-93YER	Somon Air	KKK44LE/5MA
YU-BTN	Ce525B	Air Pink	dep	Falcon 7X	Falcon 7X	Swan Aviation	09
03.9H-VFB	CL-605	VistaJet Malta	VJT592	Lj35A	Lj35A	Jet Executive	JEI333/323
D-CNAC	SA227DC	Binair	dep BID5A	Ce525	Ce525	E-Aviation	f/v EFD2F
D-CNAC	SA227DC	Binair	05 BID5B/A	Ce525A	Ce525A	Excellent Air	ECA8C
D-IMOI	Ce525	ProAir	f/v 04	D-IWOA	Ce525A	Excellent Air	ECA4C
EI-ESY	B737-8AS	Ryanair	f/v RYR3102/3	D-IWIR	Lj45	Lux. Air Ambulance	DUK5AMB
EI-LSY	G550	Gain Jet Ireland	GJI55	LX-RSQ	Lj45	Exxaero	
F-GTRY	Ce525	Airales	04	N707FJ	Falcon 900	Prime Jat	f/v 13
G-POWS	B737-436	Titan Airways	EZY8879/82	N889CG	G-IVSP	Aeroflot	f/v 09 AFL2192/3
N131EP	Falcon 2000	Westshore Aviation	13	VP-BIX	A320-214	EI AI	ELY337/8
N242CK	CL-601-3R	Kalitta Charters	dep KSF10	09.4X-ELA	B747-458	TAP Air Portugal	f/v TAP661/2
N707FJ	Falcon 900	Exxaero	dep	CS-TVA	A320-251N	Titan Airways	BAW2760/1
N805TM	G650ER	Toyota Motor Sales USA	25	G-POWS	B737-436	Exxaero	26
OE-HOP	G200	Avcon Jet	f/v AOJ78P	N707FJ	Falcon 900	GlobeAir	10 GAC636N/P
OH-LZU	A321-231	Finnair	f/v FIN1305/6	OE-FDT	Ce510	Smartline	
OO-ACC	Ce525A	Air Service Liège		OE-FLG	Ce525	Alpa Air Charter	
04.A6-RJV	B737-77W	Royal Jet	05 ROJ08	OE-GRA	Ce525B	Avcon Jet	AOJ78P
D-CEFO	Ce560XLS+	Air Hamburg	AHO656Q/888	OE-HOP	G200	Air Service Liège	
D-CKJE	EMB505	Luxaviation Germany	05 LXG55JE	OO-ACC	Ce525A	Jet Story	f/v 10 JDI42H
D-CPRS	Beech 350	Star Wings	STQ33A	SP-CHE	HA-420	Open Sky Aviation	12 EES109A/112A
D-IPCH	Ce525A	Jet Kontor	JKH32A	T7-FOZ	Ce525	DC Aviation	DCS701
LX-VMF	Ce560XL	Luxaviation	dep LXA15P	10.D-CAAA	Ce560XLS+	AirGo	XGO2AM/2PB
N226MP	G-IVSP	Clay Lacy Aviation	f/v 06	D-IIVA	P180	Excellent Air	12 ECA4C
N585JC	G-V	Exec Jet Management	06 EJM585	D-IWIR	Ce525A	Privilege Style	VLG8306/5
N950DM	G550	Hostess Brands	f/v 07	EC-ISY	B757-256	Catreus	f/v
OE-FPP	Ce510	GlobeAir	GAC438X/327Y	G-CKAZ	EMB505	Global Jet Lux.	12 SVW22ED
OE-FPP	Ce510	GlobeAir	05 GAC327Z/182U	LX-ZED	CL-605	Crown Equipment Corp.	f/v 14
OE-GKW	G100	Tyrol Air Ambulance	05 TYW758	N75CC	G550	Jet 24	11
05.C-FFBC	CL-350	Aviation CMP	dep	OE-GWV	Ce560XLS	Queen Air	
D-CNAC	SA227DC	Binair	10 BID5B/P	OK-PBS	Ce525	Air Service Liège	f/v
				OO-GLM	Ce680	Air Service Liège	11
				OO-XLS	Ce560XLS+	Turkish Airlines	f/v 11 THY1955/6
				TC-LKB	B777-36NER	Turkish Airlines	f/v THY1957/8
				TC-LOI	A330-223		

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11. D-AONE	CL-604	Air Alliance Express	AYY151	16. ZE700	BAe146 CC2	32(TR)sq	KRF91
D-CDOC	Lj45	Jetcall	JCL2	4X-ELB	B747-458	EI AI	ELY337/8
D-CNAC	SA227DC	Binair	14 BID5B/P	D-CAPB	Ce560	Aerowest	
D-ITRA	Ce525	Transavia Flug		D-IADV	Ce551	MCH Holdings	17
F-GOFX	Falcon 900B	Dassault Aviation	DSO11FX	D-IAWG	Ce425	Aerowest	
G-FLCN	Falcon 900	Xclusive Jets	f/v XJC26N	D-IUNQ	Ce510	Quadrigair	f/v LXG88Q 2x
G-JSSE	Falcon 900B	Xclusive Jets	f/v XJC32E	G-POWC	B737-33AQC	Titan Airways	BAW2760/1
OO-ACC	Ce525A	Air Service Liège		G-POWS	B737-436	Titan Airways	EZY3009/10
TC-CRF	B737-82R	Pegasus Airlines	f/v PGT665/6	HB-FVC	PC-12/47E	Lakeside Aviation	19
TC-JJV	B777-3F2ER	Turkish Airlines	f/v THY1953/4	LX-JFS	PC-12/47E	Jetfly Aviation	17 JFA20G/58A
12. D-ARMY	ERJ135BJ	Air Hamburg	f/v AHO648W/735T	LX-RSQ	Lj45XR	Lux. Air Ambulance	DUK5AMB
D-CAHO	Ce560XLS+	Air Hamburg	13 AHO676S/323X	N757HW	B757-225	Honeywell Int'l	17
D-CDAS	EMB505	DAS Private Jets		OE-FIT	Ce510	GlobeAir	GAC021L/910L
D-IEMO	Raytheon 390	Privateways	13 PWY570S/903A	OE-GMG	Ce650	Tyrolean Jet Service	17 TJS91
EI-FYF	B737-8	Norwegian	f/v IBK476/7	OE-HSN	G200	M Jet	17 MJF702
I-EDLO	BAe125-750	Alba Servizi		OO-JAY	B737-8K5	TUI Belgium	TFL572/123P
LX-VMF	Ce560XL	Luxaviation	17 LXA15P	OO-PRM	Ce510	Air Service Liège	
LY-DSK	BAe125-850XP	Classic Jet	13 LLT801/E	OO-XLS	Ce560XLS+	Air Service Liège	17
OE-IFB	B747-4B5ERF	ASL Airlines	13 TAY914E	TC-CRG	B737-82R	Pegasus Airlines	f/v PGT1253/4
OO-XLS	Ce560XLS+	Air Service Liège	16	17. ZE707	BAe146 C3	32(TR)sq	RRR1916
13. EC-MLT	B787-8	Air Europa	AEA1091/8	D-BOOC	Ce750	Air X Executive Jets	AXG21
N275DJ	G-IV	Ragtime Investments	14	D-CXLS	Ce560XLS+	Air Hamburg	18 AHO788H/194P
OE-ITX	Falcon 900	MHS Aviation	f/v	D-IADV	Ce551	MCH Holdings	
OO-GLM	Ce680	Air Service Liège		EI-LSY	G550	Gain Jet Ireland	21 GJI55
OO-JAY	B737-8K5	TUI Belgium	JAF111/TFL593	F-HEND	Ce510	Astonjet	ASJ950/466
OY-RUE	MD-83	Danish Air Transport	SAS821/2	G-USHA	Lj75	Zenith Aviation	f/v BZE06B/C
SP-HAW	A321-211	Small Planet	LLX9011/5013/2/3	HB-JGQ	CL-300	Premium Jet	
VP-BDE	A330-343E	Aeroflot	f/v AFL2550/1	N44CE	G-IV	Global Air Charters	f/v 18 GJE1021
14. D-CHRB	Ce525C	Hahn Air	HHN20B	N154G	G-IV	Aspamia	18
D-IAMI	Beech B200		f/v 15	N757HW	B757-225	Honeywell Int'l	18 2x
D-IPVD	Ce525A	Transavia Flug		OK-FTR	Ce510	CTR Flight Services	20
LN-SOV	Ce680	Sundt Air	MDT11	OK-SEM	Ce680	Travel Service	TVS45J/46J
LY-MGC	B737-4Y0	Grand Cru Airlines (a/w)	TAR880/1	OK-ZUB	Beech 400A	JetBee Czech	JBC515D/516B
N773MJ	G650	Priester Aviation	17	OY-JJH	Do328-310	JoinJet	SUS9180/880
N910RW	TBM-910	Redwood	15	PH-BHP	B787-9	KLM	f/v del KLM9878
N999HZ	G550	Cloud Skipper	f/v 15	VP-CJR	G650	Nuoyan Jet	f/v 19
OE-FXE	Ce525A	Speedwings	SPG013	18. 9H-AMY	CL-850	Air X Charter	AXY1807/1817
OK-SLX	Ce560XL	Silesia Air	SUA641/2	CN-ROW	B767-343ERF	Royal Air Maroc Cargo	RAM310
OO-DFG	Falcon 2000LX	Abelag Aviation	AAB461	D-AJOY	CL-850	Air X Executive Jets	19 AXG11
OO-JAY	B737-8K5	TUI Belgium	TFL594/094F	D-BLUE	Falcon 2000LX	ACM Air Charter	BVR222
OO-JCV	PC-12/47E	Nextgen Partners		D-COBI	Ce560XLS	HTM Jet Service	19 HTM019
OO-TUX	B737-86N	TUI Belgium	TFL616/5	D-CSCA	Ce525B	Silver Cloud Air	19 SCR378
OY-RUE	MD-83	Danish Air Transport	SAS821/2	EC-HDS	B757-256	Privilege Style	19 TFL736/695
P4-TAJ	B737-93YER	Somon Air	KKK4LE/5MA	EC-MMX	B787-8	Air Europa	AEA1093/4
VQ-BTT	A321-211	Aeroflot	f/v AFL2694/5	G-ORDH	AS355N	Atlas Helicopters	f/v 19
15. D-CASH	EMB505	Air Hamburg	AHO641Z	HB-JCJ	CS300	Swiss	f/v SWR734/5
D-CNAC	SA227DC	Binair	BID5P/B	N1F	G650	Pursuit Aviation	22
LN-STB	CL-350	Sundt Air	MDT5	N1TF	G650	Friedkin Aviation	22
N790AN	B777-223ER	American Airlines	f/v AAL220/1	N757HW	B757-225	Honeywell Int'l	20 2x
OE-GKW	G100	Tyrol Air Ambulance	TYW758/9	OE-FIX	Ce525	Aeroways	
OE-HSN	G200	M Jet	f/v 16 MJF702	OE-HUB	Ce750	Bairline	19
OK-PBS	Ce525	Queen Air		OK-ZUB	Beech 400A	JetBee Czech	JBC497B/C
OO-JAY	B737-8K5	TUI Belgium	TFL071P/571	OO-SRO	B737-86N	TUI Belgium	f/v 19 JAF585/TFL585



This summer Atlasglobal and Somon Air implemented a code share agreement, placing the Atlasglobal code on the Somon Air Dushanbe-Istanbul Atatürk service. Somon Air added its code to all four Western European routes operated by Atlasglobal from Istanbul. Besides this code share agreement Atlasglobal also used the Somon Air Boeing weekly on the route to Amsterdam during the down time of the aircraft while at Istanbul. (Amsterdam - Schiphol, 26 August 2018, Marco Bijmans)

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Small Planet Airlines Germany was founded in 2015 and operated its first flight in October of that same year. On 18 September 2018 the airline released a statement that it had filed an application for insolvency proceedings in self-administration with the aim of maintaining airline operations in the long term as well. Airbus A321 D-ASPD was only transferred from Atlasglobal to the airline in April 2018. (Amsterdam -Schiphol, 6 August 2018, Ton Jochems)

OY-RUT	MD-82	Danish Air Transport	f/v SAS821/2	YU-FNR	Ce525	Eagle Express	23 EES322B/323A
TC-CRE	B737-82R	Pegasus Airlines	f/v PGT1639/1774	23.4X-ELC	B747-458	EI AI	ELY337/8
19.9H-IBD	Global 5000	Eurojet	24 JLN1	9H-VJG	Global 6000	VistaJet Malta	24 VJT796
9H-YES	B737-5Q8	Air X Charter	20 AXY1902/2001	A6-EUZ	A380-842	Emirates	f/v UAE147/8
9H-YOU	CL-850	Air X Charter	20 AXY1908/2006	D-CEHM	Ce560XLS+	Silver Cloud Air	24 SCR021
A6-EUU	A380-842	Emirates	f/v UAE147/8	D-CITY	Lj35A	Air Alliance Express	AYY116
D-BERT	Falcon 2000LX	Bertelsmann	20 BFD20T	D-IJOA	Ce525A	Excellent Air	24 ECA8C
D-CDIM	Lj35A	Jet Eexecutive	f/v JEI575	EI-FYE	B737-8	Norwegian	f/v IBK476/7
EC-HDS	B757-256	Privilege Style	TFL696/095P	F-GOFX	Falcon 900B	Dassault Aviation	DSO21FX
F-GGGA	Ce550	Valljet	VLJ495M	LN-LNO	B787-9	Norwegian	f/v NAX7700/1
LX-VMF	Ce560XL	Luxaviation	23 LXA15P	OO-OCA	Beech 350	Air Service Liège	
N700BX	Global Express	TAG Aviation	f/v 29	SP-AST	Ce525	Aircraft Mgmt & Cons.	28 AMQ9T
OE-FNP	Ce510	GlobeAir	GAC112J/126G	UR-WRT	A321-212	Windrose Air (a/w)	f/v WRC7771/2
OE-FXE	Ce525A	Speedwings	SPG032	24.97-00102	UC-35A1	1-214th AVN	DUKE11
OE-HMR	Falcon 2000LX	MHS Aviation	21 MHV20X	9H-BCP	Lj45XR	Skyfree	KFE012A
OO-SRO	B737-86N	TUI Belgium	20 TFL586/JAF177	C-FZCV	G280	Skyservice Aviation	f/v 26
20.D-BERT	Falcon 2000LX	Bertelsmann	BFD65T	D-AINL	A320-271N	Lufthansa	f/v DLH996/7
D-CNAC	SA227DC	Binair	BID5A/B	F-HEVL	EMB505	Evolem Aviation	EVL242/3
D-CSCA	Ce525B	Silver Cloud Air	SCR378	G-FXKR	Beech 400XT	Flairjet	FLJ54/1
D-IJOA	Ce525A	Excellent Air	22 ECA8C	LZ-ASO	P180	Aviostart	27
EC-ISY	B757-256	Privilege Style	VLG8300/1	N59JE	G-V	Talon Air	25 TFF980
EI-FVW	B737-800	Norwegian	div IBK2859/7959	OE-GBE	IAI1125SPX	Tyrol Air Ambulance	25 TYW315/4
G-GDFY	B737-86Q	Jet 2	21 EXS035E/033E	OE-INI	A320-214	easyJet	f/v EZY6921/2
G-UZHK	A320-251N	easyJet	f/v EZY6921/2	OK-JDM	Lj60XR	Eclair Aviation	25 ECC602/1
HB-JXK	A320-214	easyJet Switzerland	f/v EZS1359/60	VQ-BGA	G450	ExecuJet Middle East	25 IJM092
LX-LOE	Raytheon 4000	Flying Group Lux.	FYL83E/02E	YU-FNR	Ce525	Eagle Express	25 EES324A/325A
M-NTOS	Ce525C	Selementos		25.2-AVCO	CRJ200LR	Avionco	f/v 26
N30LF	Falcon 2000DX	Flightworks	23	9H-VCC	CL-350	VistaJet Malta	26 VJT425
N757HW	B757-225	Honeywell Int'l		D-CHDJ	Ce560XLS	Excellent Air	26 ECA61C
N757HW	B757-225	Honeywell Int'l	21	D-CHZF	Ce550	Tyrol Air Ambulance	TYW211F/212F
VQ-BGA	G450	ExecuJet Middle East	f/v 21 IJM092	D-IEMO	Raytheon 390	Privateways	PWY327F/463J
21.D-CUGF	Ce525B	Stuttgarter Flugdienst	FFD525	D-IPVD	Ce525A	Transavia Flug	26
N515TJ	Beech 400A	Blackburn Int'l		D-ISLT	Ce525A	Sylt Air	f/v26 AWU925/6
N757HW	B757-225	Honeywell Int'l		EI-LSY	G550	Gain Jet Ireland	27 GJI55
N940AJ	G-V	Orchard Capital Corporation	22	G-SVRN	EMB500	Sovereign Bus. Jets	f/v RHK96A/B
OK-ZUB	Beech 400A	JetBee Czech	JBC516C/D	LX-VMF	Ce560XL	Luxaviation	LXA15P
OO-JWB	PC-12/47E	Nextgen Partners		OE-FZE	Ce510	GlobeAir	26 GAC419B/376J
OO-TUX	B737-86N	TUI Belgium	TFL616/5	OK-SEM	Ce680	Travel Service	26 TVS60J/55J
P4-TAJ	B737-93YER	Somon Air	KKK42247/5MA	OO-JAH	B737-8K5	TUI Belgium	26 TFL7781/778P
SP-AST	Ce525	Aircraft Mgmt & Cons.	22 AMQ9T	OO-XLS	Ce560XLS+	Air Service Liège	27
UR-WRJ	A321-231	Windrose Air	f/v WRC7771/2	OY-CLZ	ATR72-212A	Alsie Express	26 MMD6459
22.D-ATOP	ERJ135BJ	Air Hamburg	f/v 23 AHO891R/156R	SE-RHJ	Ce560XL	Jivair	26 JIV9
D-BUZZ	Ce750	Air X Executive Jets	23 AXG24	SE-RIL	Ce560XLS	H-Bird Aviation	26 ETI824Z
F-HBMR	Ce550	Valljet	VLJ999X	VP-BIW	A320-214	Aeroflot	f/v AFL2192/3
G-WIRG	ERJ135BJ	Air Charter Scotland	EDC433	26.D-CAHO	Ce560XLS+	Air Hamburg	AHO674V/228B
OE-GWV	Ce560XLS	Jet 24		D-CDAS	EMB505	DAS Private Jets	
OO-OCA	Beech 350	Air Service Liège		D-CDOC	Lj45	Jetcall	JCL2
OO-XLS	Ce560XLS+	Air Service Liège	25	D-CUGF	Ce525B	Stuttgarter Flugdienst	FFD525
OY-RCI	A319-112	Atlantic Airways	SAS821/2	EC-MLV	Ce680	TAG Avn España	f/v 27 GES541V
SP-LNI	ERJ195LR	LOT	f/v 23 LOT269/70	G-HCSA	Ce525A	Bookajet	27 BOO820
SP-SPE	ATR72-202	Sprint Air	23 SRN275/6	G-UZHL	A320-251N	easyJet	f/v EZY8877/8
TC-NBY	A320-251N	Pegasus Airlines	f/v PGT1255/6	LX-VMF	Ce560XL	Luxaviation	27 2X LXA15P



This former SkyWest Airlines Embraer 120 was withdrawn from use in April 2015. N308SW was registered to Skysource International in May 2018. The aircraft was ferried via Keflavik to Tanzania. (Rotterdam - The Hague, 20 August 2018, Kees Hartevelde)

	HB-JRA	CL-604	Swiss Air Ambulance	SAZ242/3	D-CAVA	SA227AC	Binair	13	BID3D/4P
	M-AATD	Global 6000	Unitrans IOM		D-CAWR	Ce560 Encore+	Aerowest		
	OO-GEE	PC-12/47E	Blue Sky Aviation		D-CTWO	Lj35A	Air Alliance Express		AYY108
	PH-KGJ	EC120B	HeliFlight - Heli Holland		D-IAWG	Ce425	Aerowest		
	UR-CGY	B737-548	Bravo Air	BAY303/4	D-INCS	Ce525	Jetkontor		JKH321
03.	F-HASJ	Ce510	Astonjet	ASJ398	F-HASJ	Ce510	Astonjet		ASJ398/010
	HB-JFI	Falcon 2000LX	Jet Aviation Business Jets	PJS800	G-ZNTJ	Lj75	Zenith Aviation		10 BZE03A
	LY-AYZ	B737-548	SCAT	dep VSV5038	OO-LET	Beech B200	Air Service Liège		14
	M-ASIM	CL-604	ExecuJet Middle East	04	OY-APM	G450	Maersk Aviation		
	M-DEND	CL-300	Sfera Jet		PH-TXA	Ce510	JetNetherlands		2x
	OK-TVS	B737-86N	Travel Service	TVS4348/9	PH-VBG	Falcon 2000EX	JetNetherlands		18
	PH-FIS	Ce525	JetNetherlands	dep	UR-CGY	B737-548	Bravo Air		BAY303/4
04.	CS-LAS	Ce680A	NetJets Europe	05 NJE741B/658A	10.	CS-TFO	Lj40		Omni Aviation
	D-CTWO	Lj35A	Air Alliance Express	AYY108		D-AOLG	Fokker 100		Idealtoours
	EC-MJO	CRJ1000	Iberia Regional	ANE2530/1		OK-TVT	B737-86N		Travel Service
	F-HSFJ	Ce680A	SFJ Aviation	ASJ088	11.	D-CNAC	SA227DC		Binair
	G-ZNTJ	Lj75	Zenith Aviation	05 BZE03C/A		EC-MTO	CR1000		Iberia Regional
	LX-RSQ	Lj45XR	European Air Ambulance	DUK5AMB		G-ZNTJ	Lj75		Zenith Aviation
	OO-GMJ	Beech 350	Air Service Liège	dep		N1963N	G450		Niagara Bottling
	PH-DAM	P180	JetNetherlands	06		OE-GBD	IAI1125SPX		Tyrol Air Ambulance
	PH-FIS	Ce525	JetNetherlands	06		OO-AMR	Ce525A		Air Service Liège
	SE-RIL	Ce560XLS	H-Bird Aviation	08 ETI804Z/8Z	12.	CS-TFO	Lj40		Omni Aviation
05.	D-CAPB	Ce560 Encore+	Aerowest	2x		OE-FLG	Ce525		Smartline Luftfahrt
	D-CKHG	Ce560XLS	Windrose Air	QGA813M/4M		OO-ASL	Beech 200C		Air Service Liège
	N1DC	G-V	Dallas Cowboys - Jerry Jones	06	13.	ZE708	BAe146 C3		32(TR)sq
	OE-FHA	Ce510	GlobeAir	GAC819U/V		EC-MPN	Ce525		Air Taxi & Charter Int'l
	PH-HRK	P180	JetNetherlands	20		LY-VEQ	A320-232		SunExpress (a/w)
	SU-MAN	BAe125-850XP	Alkan Air	09		LZ-FBE	A320-214		Bulgaria Air
06.	D-101	CH-47D	298sq	*Grizzly56		OE-IEN	Falcon 2000EX		Global Jet Austria
	D-CQAJ	Lj35A	Quick Air Jet Charter	QAJ971		OH-WIC	CL-604		Jetflite
	D-IIVA	P180	AirGo	XGO2RD/MK		PH-DWS	ERJ135LR		Air Charters Europe
	LY-VEQ	A320-232	SunExpress (a/w)	SXS5340/1	14.	CS-DXZ	Ce560XLS		NetJets Europe
	LZ-FBC	A320-214	Bulgaria Air	LZB5919/0		D-CAVA	SA227AC		Binair
	N1F	G650	The Friedkin Group	07		D-CHZF	Ce550 Bravo		Tyrol Air Ambulance
	OO-HHO	Falcon 8X	Luxaviation Belgium			G-ZNTJ	Lj75		Zenith Aviation
	PH-FIS	Ce525	JetNetherlands	17		N551CB	G-IVSP		STA Jets
	PH-RIS	EC130B4	KNSF Flight Services			OK-ZUB	Beech 400A		JetBee Czech
07.	D-CCBH	Ce525B	Jetkontor			SP-AST	Ce525		AMC Aviation
	D-CWWP	EMB505	Windrose Air	QGA433H/4H	15.	D-CNAC	SA227DC		Binair
	D-IAAR	EMB500	Arcus Air	08 AZE31SI/50EM		D-IAWG	Ce425		Aerowest
	G-WVIP	Beech 200	Capital Air Ambulance	EGL02		D-IIVA	P180		AirGo
	N812AM	BAe125-800A	Airmed International			OE-GBD	IAI1125SPX		Tyrol Air Ambulance
	OE-GJP	Ce525B	Jet Pool Network			OM-BYK	A319-115X		Government of Slovakia
	OK-IMC	DA62	NISA AIR	08		PH-PHB	Enstrom 480		Prince Helicopters
	OO-GLM	Ce680	Air Service Liège	10		SX-DVR	A320-232		Aegean Airlines
	OY-APM	G450	Maersk Aviation		16.	ZE700	BAe146 CC2		32(TR)sq
	OY-ERY	Ce550	Jet Plane Corporation			G-ZNTJ	Lj75		Zenith Aviation
08.	L-07	PC-7	131EMVOsq	*		N1963N	G450		Niagara Bottling
	L-10	PC-7	131EMVOsq	*		OK-ZUB	Beech 400A		JetBee Czech
	D-INCS	Ce525	Jetkontor	JKH321		PH-BYC	Beech 58		KLS
	G-CIXV	ERJ170LR	Eastern Airways	EZE947P/9406		PH-HGT	Ce680+		JetNetherlands
	OO-SRO	B737-86N	TUI Belgium	f/v JAF3636/5		UR-CGY	B737-548		Bravo Air
	PH-VBG	Falcon 2000EX	JetNetherlands	dep	17.	D-BOOM	CL-300		Windrose Air
	SX-DGJ	A320-232	Aegean Airlines	AEE4910/1		D-CBIN	SA227AT		Binair
09.	CS-LTH	Ce680A	NetJets Europe	11 NJE378M/924E		D-CCCB	Lj35A		DRF

G-FXCR	Beech 400XT	Flexjet	FLJ52/3	EC-MSS	Ce560XLS+	Gestair	GES321S
LX-VMF	Ce560XL	Luxaviation	LXA15P	OE-GKW	G100	Tyrol Air Ambulance	25 TYW758/7
OK-TVS	B737-86N	Travel Service	TVS4348/9	OH-YLW	PC-12/45	Fly7 Executive Aviation	25
PH-FIS	Ce525	JetNetherlands	arr	OK-TVY	B737-8Q8	SmartWings	TVS4348/9
PH-TTR	H135	ANWB – MAA	Lifeline1	OO-GEE	PC-12/47E	Blue Sky Aviation	
SP-CUD	Ce525B	Jet Story		OO-JWB	PC-12/47E	Nextgen Partners	
18.9H-AMY	CL-850	Air X Charter	19 AXY1808/9	PH-CTH	Falcon 2000LX	Flying Group	26 FYG72V/81V
D-IAAR	EMB500	Arcus Air	20 AZE41YA	PH-JFS	PC-12/45	Eurofilters Holding	
D-ICCB	Ce525	Bahag Bau Handelsgesellschaft		25.9H-DDJ	Lj75	Kermas Int'l	KER781
D-IPVD	Ce525A	Transavia Flug		CS-CHD	CL-350	NetJets Europe	26 NJE862W/756M
EC-MTZ	CR1000	Iberia Regional	ANE2530/1	CS-PHJ	EMB505	NetJets Europe	NJE9FF/601B
PH-ECD	EC120B	Heli Holland Holding		G-ZNTJ	Lj75	Zenith Aviation	BZE03A/B
19.CS-DXJ	Ce560XLS	NetJets Europe	23 NJE2QX	M-SAIL	PC-12/47E	Saifly	27
CS-DXN	Ce560XLS	NetJets Europe	NJE110K/6SL	26.D-ISAR	Raytheon 390	Euroflug Frenzel	29
CS-PHK	EMB505	NetJets Europe	NJE919U/2CP	G-ZNTJ	Lj75	Zenith Aviation	BZE03A/B
D-CGAA	Ce560XLS+	Air Hamburg	20 AHO663N/698J	G-ZNTJ	Lj75	Zenith Aviation	27 BZE03B
D-IOHL	Ce525A	Excellent Air	ECA3C	PH-CJM	Ce680	ASL	29
G-ZNTJ	Lj75	Zenith Aviation	20 BZE03C/A	SP-SPE	ATR72-202	SprintAir	27 SRN270/1
M-PIRE	P180	Northside Aviation	dep	27.02-0201	C-40C	201st AS	28 Boxer41
M-PIRE	P180	Northside Aviation	21	CS-DVN	Ce650	Lease Fly	LZF501E
N308SW	EMB120ER	Skysource International	20	CS-LTA	Ce680A	NetJets Europe	NJE2NS/311H
PH-JTJ	Ce680	Exxaero	20 XRO180	D-CCCB	Lj35A	DRF	28 AMB400/4
20.CS-DXU	Ce560XLS	NetJets Europe	21 NJE783E/049C	F-GOFX	Falcon 900B	Dassault Aviation	DSO27FX
CS-LTG	Ce680A	NetJets Europe	NJE4WS	M-SUNY	Falcon 7X	Hawker Pacific Asia	28
D-CITY	Lj35A	Air Alliance Express	AYY118	N8326Y	PA-30-160	Transal Aero Services	
D-CTRI	Lj35A	Air Alliance Express	21 AYY112	OK-NEO	A319-112	CSA Czech Airlines	CSA6800/1
LX-JAG	ERJ135BJ	Global Jet Luxembourg	SVW49AG	PH-JTJ	Ce680	Exxaero	28 XRO181
LX-ONE	Lj45	Luxemb. Air Rescue	DUK1AMB	SE-RIL	Ce560XLS	H-Bird Aviation	28 ETI827Z/8Z
LY-NVZ	A320-214	SunExpress	SXS5340/1	SP-EAR	Ce680	Jet Story	JDI90W
LZ-FBD	A320-214	Bulgaria Air	LZB5919/0	SP-SOB	TBM-910		28
OO-RAZ	R44	Heli & Co	21 2x	SP-SPE	ATR72-202	SprintAir	30 SRN272/5
PH-COM	PA-30	Dutch Airline Pilots Aero Club		28.CS-DXG	Ce560XLS	NetJets Europe	29 NJE7EA/353N
PH-VBG	Falcon 2000EX	JetNetherlands	arr	D-CAMB	Lj31A	Jetcall	JCL4
21.CS-DXH	Ce560XLS	NetJets Europe	NJE049C/8FR	EC-KKO	Ce550 Bravo	Aerodynamics Malaga	DNC821/2
D-CCAA	Lj35A	DRF	AMB390	PH-JPS	R44	HeliCentre	
F-HOSP	BAe125-1000B	Airlec	22 ARL628	PH-RIW	R44	HeliCentre	
M-PIRE	P180	Northside Aviation	arr	PH-UNN	EC120B	HeliCentre	
OO-LET	Beech B200	Air Service Liège	arr	29.CS-CHB	CL-350	NetJets Europe	30 NJE6RA/257U
PH-ELP	EC135T2	ANWB - MAA	Lifeline3	D-ASTZ	A319-112	Germania	MLT159/059F
PH-HRK	P180	JetNetherlands	24	D-IAAB	EMB500	Arcus Air	AZE49DU/1DU
22.PH-TTR	H135	ANWB – MAA	Lifeline1	N625TF	G-V	Wing Aviation Charter Services	
SX-DGK	A320-232	Aegean Airlines	AEE4910/1	OY-APM	G450	Maersk Aviation	
T7-BND	CL-604	Aviation Horizons		PH-BYD	Beech 58	KLS	*KLM7908
YR-AVR	BAe146-300	Aviro Air	MLT156F/156	PH-HRK	P180	JetNetherlands	
23.H21	A109BA	17sq/1w	*BAF317	T7-ACA	Ce525	Rapid Aviation	30
CS-PHL	EMB505	NetJets Europe	24 NJE277A/539A	30.B-95959	Global XRS	Ruentex Group	31
D-CWAY	Lj55	Quick Air Jet Charter	QAJ1021	D-COMO	Lj60	Jetair Flug	01 JTI264/28
G-ZNTJ	Lj75	Zenith Aviation	24 BZE03C/A	EI-SLX	ATR72-202(F)	ASL Airlines Ireland	31 ABR072F/072
M-DEND	CL-300	Sfera Jet	24	N620CM	Ce510	Relay Securities	2x
OE-GLL	Ce550 Bravo	Jetfly Airline		OK-PBT	Ce525A	Queen Air	QNR25A
OH-YLW	PC-12/45	Fly7 Executive Aviation	24	UR-CGY	B737-548	Bravo Air	BAY303/4
OO-JWB	PC-12/47E	Nextgen Partners		31.A6-CBO	Global XRS	DC Aviation Al-Futtaim	
OO-OCA	Beech 350	Air Service Liège	31	B-KEY	G650ER	Metrojet	01
UR-CGY	B737-548	Bravo Air	BAY303/4	CS-CHH	CL-350	NetJets Europe	01 NJE943D/653F
24.D-ATOP	ERJ135BJ	Air Hamburg	AHO563W	CS-LTF	Ce680A	NetJets Europe	NJE501T/119L
D-INOB	Ce525A	Atlas Air Service	ATL3Z	D-ASGK	A320-214	Sundair (NLY c/s)	f/v MLT160F/160



Delivered to Niki in 2006 this Airbus A320 spend a few months with OLT Express as SP-IAG before it was transferred to Air Berlin via Niki. It was added to the Sundair fleet in August 2018 registered as D-ASGK, still in Niki colours. (Rotterdam - The Hague, 20 August 2018, Kees Hartevelde)



Angolan airline Heli Malongo Airways operates chartered regional passenger services mostly in support of the oil industry in Angola. DHC-8 D2-EUO was delivered to the airline in June 2010. (Maastricht - Aachen, 2 August 2018, Bjorn van der Velpen)

D-ISJP	Ce525A	Excellent Air	ECA1C	LX-GCL	B747-467F	Cargolux	UAE9988
EC-JIP	SA226TC	Flightline	02 FLT5571/0001	OE-GPS	Ce550 Bravo	Tyrol Air Ambulance	TYW847S/6S
EC-KPT	Beech 200	Air Taxi & Charter Int'l	arr IBJ231A	UR-CAH	An-12BK	Ukraine Air Alliance	UKL4004/5055
LX-SAB	Falcon 900DX	Global Jet Luxembourg	SVW56AB	08. CS-DXS	Ce560XLS	NetJets Europe	NJE810K/857B
N1008	Ce501SP	Maharishi Foundation	arr	Lj60	Lj60	Heron Aviation	12 HRN311
N576MA	TBM-850	HTG Trading		LZ-BHH	A320-232	BH Air	BGH2351/2
OE-GKW	G100	Tyrol Air Ambulance	TYW758/9	N701CK	B747-4B5F	Kalitta Air	THY6515
OK-TVG	B737-8Q8	SmartWings	TVS738P/4349	OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW432/3
PH-WRW	EC120B	Heli Holland Holding		OY-YCE	ATR72-212A	Nordic Aviation Capital	dep
				UR-CGW	An-12BP	Ukraine Air Alliance	UKL4002/1
				UR-CNN	An-12B	Cavok Air	CVK7012/21
				09. F-HPJL	EMB505	Air TNB	12
				LX-GCL	B747-467F	Cargolux	UAE9962
				OO-SKY	Ce525A	Abelag Aviation	AAB339
				UR-CGW	An-12BP	Ukraine Air Alliance	UKL4004/7
				10. EC-MUS	G650	Gestair	11 GES271S
				F-HGIO	Ce510	Astonjet	12 ASJ597
				N705CK	B747-4B5F	Kalitta Air	THY6493
				N719EL	Beech 400A	Donington Aviation	
				SU-TCE	A320-232	Almasria Universal Airl.	LMU5312/3
				11. D-IANA	Beech B200	Euro Link	
				TC-ACG	B747-481(F)	Saudia	SVA915/6
				13. ES-PVP	Lj60	Panaviatic	15 VPC1
				LN-WID	DHC-8-103	Widerøe	arr WIF9085
				PH-DWS	ERJ135LR	Air Charters Europe	15 JNL803/218
				PH-MYX	Ce650	ASL	
				SU-TCH	A330-203	Almasria Universal Airl.	LMU1310/1
				14. D-CMCA	Ce525B	Marc Cain	15
				LX-GCL	B747-467F	Cargolux	UAE9988
				LX-LGE	DHC-8-402	Luxair	16 LGL11/2
				15. CS-DLH	Falcon 2000EX	NetJets Europe	16 NJE330Y/800W
				G-CIXV	ERJ170LR	Eastern Airways	EZE940P/9410
				LN-WFS	DHC-8-402	Widerøe	dep WIF9086
				LZ-BHH	A320-232	BH Air	BGH2351/2
				N705CK	B747-4B5F	Kalitta Air	THY6515
				16. 4K-SW008	B747-4R7F	Silk Way West Airlines	AZG7978/9
				LX-GCL	B747-467F	Cargolux	UAE9962
				OY-JSW	Ce525A	Flexflight	17 FXT416/7
				P4-GVI	G650ER	ABS Jets	
				17. G-CIXV	ERJ170LR	Eastern Airways	EZE9411/941P
				N705CK	B747-4B5F	Kalitta Air	THY6493
				OO-VMF	Ce560XLS+	Air Service Liège	18
				OO-XLS	Ce560XLS+	Air Service Liège	18
				SU-TCE	A320-232	Almasria Universal Airl.	LMU5312/3
				18. 9H-YOU	CL-850	Air X Charter	19 AXY1806/8
				TC-ACM	B747-428ERF	Saudia	SVA915/6
				VP-BJE	CL-604	TAG Aviation Asia	21 TBJ2
				YU-SVL	Ce560XLS	Prince Aviation	19 PNC1VL
				19. 9H-VFJ	Global 6000	VistaJet Malta	20 VJT516
				20. D-HBWH	Bo105CBS5	Air Lloyd	
				N125DB	Eclipse 500	Innovation Transportation	
				SE-RMB	Ce525B	Svenskt Industriflyg	22 JET5
				SU-TCH	A330-203	Almasria Universal Airl.	LMU1310/1
				21. EI-GEG	ERJ195LR	Georgian Airways	f/n
				OE-FZA	Ce510	GlobeAir	GAC976A/865B

FC Kairat departed back to Kazakhstan on the 3rd after their football game against AZ Alkmaar. On the 10th Feyenoord returned from Bratislava after their game against AS Trencin onboard the Avanti Air Fokker in Idealtours colours. Cessna D-CHZF on the 14th is being operated by Tyrol Air Ambulance since 28 June 2018. On the 15th AS Trencin used the Slovak Government Flying Service Airbus for their transportation to Rotterdam. An Embraer EMB120ER night stopped on the 19th on its way to Tanzania. The "Jumbolino" on the 22nd operated a charter to Bilbao for Maleth-Aero. CSA operated a charter from Prague on the 27th. Germania operated for Maleth-Aero on the 29th. The ATR arriving on the 30th departed the next day with music instruments of the Concertgebouw orchestra to Bratislava. Sundair operated for Maleth-Aero on the 31st.

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

Maastricht - Aachen

		August 2018	
01. D-ICKE	Beech B200GT	Dachser	03
D-IDAS	EMB500	Donau Air Service	
F-HIBF	Ce510	Astonjet	ASJ264
LZ-BHI	A320-232	BH Air	BGH2351/2
N402KZ	B747-481F	Kalitta Air	THY6515
02. 4K-SW008	B747-4R7F	Silk Way West Airlines	AZG7983/4
CS-TFO	Lj40	Omni Air	OAV303/303P
D2-EUO	DHC-8-402	HM Airways	arr
I-SWIB	B747-4R7F	SW Italia	AZG7981/2
LX-GCL	B747-467F	Cargolux	UAE9962
N53235	PA-46-500TP	Winkler Technik	04
03. CS-DLC	Falcon 2000EX	NetJets Europe	arr NJE968U
N402KZ	B747-481F	Kalitta Air	THY6493
PH-TCN	P180	JetNetherlands	
SU-TCE	A320-232	Almasria Universal Airl.	LMU5312/3
UR-CZZ	An-12BP	Ukraine Air Alliance	UKL4002/5057
04. D-BLUE	Falcon 2000LX	ACM Air Charter	05 BVR222
TC-ACF	B747-481(F)	Saudia	SVA915/6
UR-CAH	An-12BK	Ukraine Air Alliance	UKL4002/5057
YU-SVL	Ce560XLS	Prince Aviation	05 PNC1V
05. 05.TC-CRF	B737-800	Pegasus	f/v PGT6615/6
UR-CZZ	An-12BP	Ukraine Air Alliance	UKL4002/5057
06. CS-LTB	Ce680A	NetJets Europe	NJE3KX/3KX
UR-CGW	An-12BP	Ukraine Air Alliance	UKL4002/5057
07. D-CQAB	Lj45	Quick Air Jet Charter	QAJ968

OY-VIK	Falcon 7X	Air Alsie	MMD6390
UR-CQE	An-26B	Vulkan Air	22 VKA143/2
22. LZ-BHH	A320-232	BH Air	BGH2351/2
N403KZ	B747-481F	Kalitta Air	THY6515
OY-JTS	B737-7K2	Jet Time	JTG837/9838
P4-GVV	G550	ABS Jets	
23. 4K-SW008	B747-4R7F	Silk Way West Airlines	AZG7978/9
LX-GCL	B747-467F	Cargolux	UAE9962
OO-ACE	Ce510	Air Service Liège	
24. CS-DXV	Ce560XLS	NetJets Europe	NJE8HL/8HL
D-CSLT	Lj60	FAI Rent-A-Jet	IFA2593
D-IMAH	Ce525A	Mahle International	26
LX-JAG	ERJ135BJ	Global Jet Luxembourg	SVW49AG
N401KZ	B747-481F	Kalitta Air	THY6493
OO-VMF	Ce560XLS+	Air Service Liège	
SU-TCE	A320-232	Almasria Universal Airl.	LMU5312/3
UR-CQE	An-26B	Vulkan Air	VKA142/9
25. I-SWIB	B747-4R7F	SW Italia	AZG7988/9
TC-ACM	B747-428ERF	Saudia	SVA915/6
27. OY-KFI	CRJ900	CityJet	tst BCY041P
28. D-ITAN	Ce525	Eisele Flugdiest	
D-ITAN	Ce525	Eisele Flugdiest	29
EC-LEP	C560	Gestair	GES131P/2P
OO-PAR	Ce525B	Luxaviation Belgium	AAB564
SP-IAF	EMB500	Jet Story	
29. D-ISAR	Raytheon 390	Euroflug Frenzel	30
LZ-BHI	A320-232	BH Air	BGH2351/2
N194ER	Ce510	Blue Sky Aviation	30
N705CK	B747-4B5F	Kalitta Air	THY6515
OY-LHD	A320-231	Danish Air Transport	DTR973/6271
SE-RIL	Ce560XLS	H-Bird Aviation	30 ETI829Z/830Z
30. D-CBIN	SA227AT	Binair	BID4P/3A
D-FAST	Ce208B	Businesswings	JMP341/2
D-IDAZ	Ce525	Donau Air Service	31
LX-GCL	B747-467F	Cargolux	UAE9962
OO-PAR	Ce525B	Luxaviation Belgium	31 AAB564
OO-XLS	Ce560XLS+	Air Service Liège	
OO-XLS	Ce560XLS+	Air Service Liège	31
31. 5N-JEE	CRJ1000	Arik Air	dep ARA102F
N705CK	B747-4B5F	Kalitta Air	THY6493
OO-PAR	Ce525B	Luxaviation Belgium	AAB564
OY-CLY	ATR72-212A	Alsie Express	MMD6453, 6454
RA-09003	Falcon 900EX	Gazpromavia	01 GZP9613/4
SE-RIL	Ce560XLS	H-Bird Aviation	02 ETI831Z/802H
YR-SEB	B737-484	Corendon Dutch Airl.	dep CND984

The HM Airways Dash-8 on the 2nd arrived for maintenance. The ATR72 on the 8th departed in Far Eastern Air Transport colours. On the 13th a Widerøe Dash-8 arrived for maintenance. A Luxair Dash-8 also arrived for maintenance on the 14th. On the 15th a departing Widerøe after maintenance. Eastern Airways operated a charter for KRC Genk on the 15th to Poznań. The football team returned on the 17th. On the 21st the Embraer was first noted in Georgian Airways colours.

The Canadairjet on the 27th performed a local test flight in basic Scandinavian colours using a CityJet call sign. For the KRC Genk football game against Brøndby an Airbus operated by Danish Air Transport on the 29th. On the last day of the month the Boeing 737 being operated for Corendon positioned back to Amsterdam after having been based at Maas-tricht since 30 June 2018.

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

Groningen - Eelde

August 2018

01. D-667	CH-47D	298sq	
EC-MLL/4	AT-802A	Agro-Montiar / Avialsa	
EC-MRA	AT-802A	Agro-Montiar / Avialsa	
PH-DTS	DA42NG	Wings over Holland	
02. N474CG	SF50	I-Fly	03
OO-AIS	Beech 200T	Aerodata International Surveys	03
03. F-HYPF	PA-46-500TP	O.P.B.	2x 04
SP-TBM	TBM-930	PLEK2	10
04. D-CMHA	Do328-100	MHS Aviation (a/w)	arr MHV1897
D-IIVA	P180	AirGo Flugservice	dep
05. G-RVRX	P68B	Ravenair	
PH-CGN	Do228-212	Kustwacht	CG01
SE-DJN	BAe146-RJ85	BRA	SCW9658/8638
06. OO-AIS	Beech 200T	Aerodata International Surveys	07
PH-DTS	DA42NG	Wings over Holland	
07. D-667	CH-47D	298sq	Grizzly82
LN-WDG	DHC-8-402	Widerøe	WIF7018/9
N1753S	GA-8	FSA Aviation	
PH-DTS	DA42NG	Wings over Holland	
08. PH-DTS	DA42NG	Wings over Holland	
09. PH-DTS	DA42NG	Wings over Holland	
10. N2E	G650ER		
PH-SHO	EC155B1	Heli Holland Offshore	2x
PH-TCN	P180	JetNetherlands	dep
12. G-AZYU	PA-23-250	Cromati & Samuelson	13
13. SP-SPE	ATR72-202	SprintAir	dep
14. 2-AUER	SF50	Euro Aircraft Leasing	dep
D-CAWK	Ce680A	Aerowest	
LN-RDV	DHC-8-402	Widerøe	WIF7018/9
LN-SOV	Ce680	Sundt Air	MDT11
N9996	PA-34-200T		
SE-CFP	DC-3C	Flygande Veteraner	dep
16. D-CFIV	Lj35A	Air Alliance Express	AYY188
SE-RIL	Ce560XLS	H-Bird Aviation Services	
17. CE02	ERJ135LR	21sq	BAF620
OK-CTP	PC-12/47E	OK Aviation Wings	
PH-DTS	DA42NG	Wings over Holland	
UR-CKM	An-12BP	Cavok Air (a/w)	20 CVK7032/3
18. OY-RUE	MD-83	Danish Air Transport	20 -/DAT4862
PH-DTS	DA42NG	Wings over Holland	19
19. OE-FSP	Ce525A	Salzburg Jet Aviation	
20. N474CG	SF50	I-Fly	24



Originally delivered in December 2011 to Ocean Sky Management as VQ-BRI, this Raytheon 4000 was acquired by Join Flight in April 2016 as OY-JJJ. The company is trading as JoinJet and is a fully owned VIP/ad-hoc charter daughter of SUN-AIR of Scandinavia. (Groningen - Eelde, 31 August 2018, Menno Molenaar)

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G-APLO was built in Hawarden, near Liverpool. The DHC-1 was used by the RAF with serial WB696. Chipmunk T10 G-APLO was first registered in the UK registry in May 1958. Its current owner Piet Luijken was listed in the registry in 2015 after being able to buy the aircraft at an auction on September 2015 at the Goodwood Festival of Speed. The aircraft was flown to Seppe - Breda International Airport in that same year. Since this spring it has found a spot in the hangar of the Flying Museum Seppe. (Air-to-air near Apeldoorn, 7 July 2018, Ronnie Olsthoorn - AviationArt.aero)

PH-DTS	DA42NG	Wings over Holland	19
PH-TWN	P2006T	Zelf Vliegen	
24.D-CURT	Lj31A	Air Alliance Express	
PH-WMO	DA62	Witte van Moort	f/v
27.2-LIFE	Eclipse 500	Brigitte Vonk	
9H-KAZ	BAe 125-900XP	Hyperion Aviation	dep
31.N305CC	G650ER	Carnival Corporation	
N305KN	G650ER	AFO	arr
OY-JJG	Do328-310	JoinJet	
OY-JJJ	Raytheon 4000	JoinJet	arr SUS833
PH-OOP	H145	RAV Fryslân – MAA	

Two Air Tractors arrived from fire fighting duties in Sweden on the 1st for some fuel. The Chinook on that same day had the same idea and also came in for fuel. The Braathens Regional Airlines on the 5th arrived from Malmö and departed to Stavanger. The Chinook from the 1st needed some fuel on the 7th also. Due to a shortage of cells in Norway, prisoners had been housed in Veenhuizen since 2015. The final ten Norwegian prisoners have been flown back to Norway on the 14th. After spending a month at Eelde volunteers managed to replace the broken engine of Dakota : Daisy". On the 14th she departed for Sweden, but unfortunately she had to make an emergency landing at Linköping Airport. At the end of July and the beginning of August some extra flights were carried out for the benefit of The Tallship Races 2018 in Harlingen. Braathens Regional and Danish Air Transport were the preferred operators for these flights this month. The Vision Jet departing on the 14th had arrived on 4 Juli 2018. On the last day of the month Meyer Werft and Carnival Corporation, parent company of AIDA Cruises, had a party due to cruise ship AIDANova being christened hence the Carnival bizjet on the 31st. For the music famous DJ David Guetta arrived on that same day.

Credit: GEAS, FlyGRQ.

Deventer-Teuge

			July 2018
01.HB-LUN	P68C	Swiss Flight Services	SFS52
02.M-XHEC	EC155B	Catena Aviation	
OO-MSN	CeT310	Aerodata International Surveys	04
PH-FVD	R44	Rotarywings	06
04.D-FIPS	PC-6/B2-H4	KIAS Airlines	dep
D-FSID	TBM-700C2	Essent	
N2648X	Ce501	TS Aviation	
OO-TJK	P68B	Aerodata International Surveys	05
PH-SVY	PA-31T	Slagboom en Peeters	12
05.N51WF	RC690C	Aviation Air Services	dep
PH-HCC	Cabri G2	HeliCentre	
PH-MDG	Ce680+	JetNetherlands	06
PH-UDB	DA62		f/v
06.N446MM	PA-46-310P		09
07.G-APLO	Chipmunk T10	P. Luijken	
N1944S	E75	R.Heinen	
N195JR	Beech 95	Buddy Management	
N8233	DH-82A	stichting Dutch Tiger Flight	
N9912H	B75N-1	Flying Circus – Hans Nordsiek	08
PH-KMR	GA-8	Stichting Ambulancevliegtuig	
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
09.OE-XAS	R44	Heli & Co	dep
PH-RWX	H269C	P.J.M. Bos	12
10.OE-XAS	R44	Heli & Co	11
PH-PXA	EC135P2+	Nationale Politie	ZXP01
11.OE-XAS	R44	Heli & Co	12
PH-FVD	R44	Rotarywings	
PH-HCF	Cabri G2	HeliCentre	
PH-HGT	Ce680+	JetNetherlands	
12.D-HGVB	R44	Rotavisie	
OE-XAS	R44	Heli & Co	16
13.PH-SLC	P68	Slagboom en Peeters	
PH-SVY	PA-31T	Slagboom en Peeters	23
14.PH-SVZ	Ce550	Slagboom en Peeters	15
15.PH-PXC	EC135P2+	Nationale Politie	ZXP03

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16.OE-XAS	R44	Heli & Co	17	10.D-102	CH-47D	298sq	*Viking02, GLV-V
17.OE-XAS	R44	Heli & Co	18	D-665	CH-47D	298sq	*Titan3, GLV-V
PH-ECE	EC120B	Heli Holland Holding		S-444	AS532U2	300sq	*
18.LY-CCP	Yak-18T	Stefan Weiss		D-CSOS	Lj45	Jetcall	JCL1
OE-XAS	R44	Heli & Co		EC-MUS	G650	Gestair	GES271S
OE-XFW	R44	Startrade	arr	G-OCJZ	Ce525A	Centreline	CLF920
PH-AVV	R44	A. F. C. van Westerop		N887WM	Global XRS	Mente	12
PH-HCC	Cabri G2	HeliCentre		SE-RIZ	Ce560XLS	H-Bird Aviation Services	ETI710N
19.PH-PXB	EC135P2+	Nationale Politie	ZXP02	UR-CNN	An-12B	Cavok Air	arr CVK7023
21.N421WE	Ce421C		tst	11.02	C-17A	HAW	12 Bartok91
22.PH-LBR	Ce208B	Skydive Rotterdam	27	9H-VCC	CL-350	VistaJet Malta	12 VJT425
23.G-OAFF	Ce208	FSSD	26	EC-MUS	G650	Gestair	GES271S
OO-AIS	Beech 200T	Aerodata Aerial Surveys		OO-JCV	PC-12/47E	Nextgen Aviation	
25.LX-JFD	PC-12/47E	Jetfly Aviation		OO-XLS	Ce560XLS+	Air Service Liège	12
N2648X	Ce501	TS Aviation		12.CS-DXS	Ce560XLS	NetJets Europe	NJE268W/218D
PH-FVD	R44	Rotarywings		G-TWOP	Ce525A	Centreline	CLF921
28.N417RK	PA-46-350P	Marco van der Horst		LN-SOV	Ce680	Sundt Air	MDT11

On the 7th MAF had organized an open day and AOPA had organised a Fly-In. The Cessna on the 21st is former PH-ITW.

Credit: Teuge Airport.

Eindhoven

August 2018							
01.CH04	C-130H	20sq	*BAF671	L-03	PC-7	131EMV0sq	*
FA87	F-16AM	10w	*	D-BETI	Falcon 50EX	Adolf Würth	
FA106	F-16AM	10w	*BAF431	15.89+56	Sea King Mk41	MFG5	16 GNY4810
FB22	F-16BM	2w	*BAF271	OE-FCB	Ce510	GlobeAir	GAC943Q/R
OO-PKX	Ce750	Air Service Liège	dep	PH-HZV	B737-8K2	Transavia Airlines	div TRA6116
02.G-KLNV	Ce510	Saxonair	SXN51D	16.02	C-17A	HAW	Bartok93
03.54+18	A400M	LTG62	04 GAF059	D-ITIP	Ce525	Star Wings Dortmund	STQ222
D-CSUN	Ce560XLS+	Air Hamburg	AHO889L/777	OO-GEE	PC-12/47E	Blue Sky Aviation	
PH-LAU	Falcon 900EX	Exxaero	04 XRO424	OO-XLS	Ce560XLS+	Air Service Liège	
04.D-667	CH-47D	298sq	3x Viking3	PH-FJK	Ce525B	JetNetherlands	18
D-CCAA	Lj35A	DRF	AMB356	17.S-444	AS532U2	300sq	*Demon4
D-CHRE	Ce680	Hahn Air	HHN909	D-ITIP	Ce525	Star Wings Dortmund	STQ222
D-IGWT	Ce525A	Sylt Air	05 AWU704/6	18.OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW432/3
05.OO-PKX	Ce750	Air Service Liège	06	OO-XLS	Ce560XLS+	Air Service Liège	19
PH-MRO	Ce421C	Q-Flights		PH-FJK	Ce525B	JetNetherlands	23
06.CE01	ERJ135LR	21sq	BAF685	PH-ULP	EC135T2	ANWB - MAA	
Q2	C-17A	HAW	07 Bartok90	19.OO-GEE	PC-12/47E	Blue Sky Aviation	22
J-514	F-16AM	312/313sq	*Bonzo1	PH-DWS	ERJ135LR	Air Charters Europe	25 JNL538/415
LX-EAA	Lj45	DucAir - LAR	DUK8AMB	20.S-453	AS532U2	300sq	2x Demon4
08.D-102	CH-47D	298sq	*Viking, GLV-V	9H-MAC	B737-548	Maleth-Aero	MLT666F/666
D-665	CH-47D	298sq	*Viking, GLV-V	EI-LEO	Ce750	Gainjet Ireland	GJ175X
Q-24	AH-64DN	301sq	*GLV-V	HB-JLK	Falcon 7X	TAG Aviation	22 FPG744
OK-EAS	Beech 400XTi	Time Air	TIE605Y/X	OO-PKX	Ce750	Air Service Liège	23
UR-CNN	An-12B	Cavok Air	arr CVK7021	OO-XLS	Ce560XLS+	Air Service Liège	22
09.D-CCAA	Lj35A	DRF	AMB368	22.D-101	CH-47D	298sq	*GLV-V
LN-AGR	Falcon 7X	Sundt Air	AKK7	Q-19	AH-64DN	301sq	*GLV-V
PH-CJM	Ce680	ASL		Q-29	AH-64DN	301sq	*GLV-V
PH-FJK	Ce525B	JetNetherlands	dep	S-419	AS532U2	300sq	*GLV-V
PH-HWM	CL-605	ASL	dep	9H-MAC	B737-548	Maleth-Aero	MLT667/667F
PH-HWM	CL-605	ASL	22	D-CFTG	Lj35A	Quick Air Jet Charter	QAJ1015
				HA-LXI	A321-231	Wizz Air	23 WZZ934/091



Belavia transported the Belarusian football team FK BATE Borisov to Eindhoven for a Champions League game against PSV. Canadairjet CRJ100ER EW-100PJ was used for this task, an aircraft that was added to the fleet in 2007. (Eindhoven, 28 August 2018, Maurits Niemeijer)

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Serial 606 was originally built as Mi-8MT. The helicopter was delivered in December 1988 and operated by Air Force Regiment 103 of Nadwiślańskie Military Units of the Ministry of Internal Affairs (NJW MSW). The helicopter was converted to Mi-17AE by 'Wojskowe Zakłady Łączności Nr 1' (WZL1). It is being operated by the Polish 37.dlot / PJEM in a medevac version. (Den Helder, 6 August 2018, Martin Uleman)

UR-CBG	An-12BP	Cavok Air	arr CVK7021	08. <u>N-277</u>	NH90-NFH	860sq	Fiber06
23. <u>D-667</u>	CH-47D	298sq	*Titan3	09. <u>G-988</u>	C-130H	336sq	*NAF79
D-IFGN	PA-31T		24	<u>L-02</u>	PC-7	131EMVOsq	*Diamond12
24. D-CTWO	Lj35A	Air Alliance Express	AYY108	13. <u>G-988</u>	C-130H	336sq	*NAF30
PH-FJK	Ce525B	JetNetherlands	31	<u>L-01</u>	PC-7	131EMVOsq	*Diamond18
UR-CBG	An-12BP	Cavok Air		14. <u>L-03</u>	PC-7	131EMVOsq	*Diamond15,*07
26. CS-PHI	EMB505	NetJets Europe	27 NJE178C	15. <u>89+56</u>	Sea King Mk41	MFG5	*GNY4810
OO-PKX	Ce750	Air Service Liège	29	<u>L-03</u>	PC-7	131EMVOsq	*Diamond09,*08
PH-HWM	CL-605	ASL	arr	17. <u>G-781</u>	C-13H	336sq	*NAF78
27. D-CDOC	Lj45	Jetcall	JCL2	<u>L-02</u>	PC-7	131EMVOsq	*Diamond18
D-ETJG	PA-46-350P			22. <u>L-02</u>	PC-7	131EMVOsq	*Diamond18
28. EW-100PJ	CRJ100ER	Belavia	30 BRU8931/2	<u>L-11</u>	PC-7	131EMVOsq	*Diamond17
N860AA	G550	Craig Protein Division	29	23. <u>L-02</u>	PC-7	131EMVOsq	*Diamond09
OO-TFA	B757-28AC	ASL Airlines Belgium	TAY684P/1570	27. OO-HEY	R44	Heli & Co	*
UR-CKM	An-12BP	Cavok Air	29 CVK7057/22	31. G-781	C-130H	336sq	*NAF79
29. ST41	SF260D	CC Air (grey c/s)	*BAF198	L-13	PC-7 131EMVOsq (spec mks)	Diamond08/Redskin8	
ST44	SF260D	CC Air (grey c/s)	*BAF151				
Q-10	AH-64DN	301sq	*Redskin01-form				
Q-13	AH-64DN	301sq	*Redskin01-form				
Q-25	AH-64DN	301sq	*Redskin01-form				
PH-CJM	Ce680	ASL	arr				
30. D-CSLT	Lj60	FAI Rent-A-Jet	IFA2610/3				
M-JNJL	Global XRS	Global Thirteen Worldwide Res.	arr				
N526AG	PA-46-500TP	Philosophy Aviation	31				
OO-XLS	Ce560XLS+	Air Service Liège					
31. F-GOFFX	Falcon 900B	Dassault Aviation	2x DSO30FX				

On the 20th Maleth-Aero transported PSV Eindhoven to Minsk. The team returned on the 22nd. The Wizz Air Airbus on the 22 developed a technical issue and departed the next day. BATE Borisov arrived on board a Belavia Canadairjet on the 28th for their football game against PSV Eindhoven. ASL Airlines Belgium operated a military charter on that same day.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

Gilze-Rijen

August 2018			
01. CH04	C-130H	20sq	*BAF670
02. <u>L-02</u>	PC-7	131EMVOsq	*Diamond09
03. <u>L-03</u>	PC-7	131EMVOsq	*Diamond12
04. D-665	CH-47D	298sq	dep Grizzly04
D-667	CH-47D	298sq	Viking3
L-13	PC-7	131EMVOsq	*Diamon09
Q-18	AH-64DN	301sq	dep Redskin22
PH-KHV/G-29	Beech 18	SKHV	
PH-PSC/R137	PA-18	SKHV	
06. <u>L-13</u>	PC-7	131EMVOsq	<u>Diamond12</u>
07. D-667	CH-47D	298sq	Grizzly82
G-988	C-130H	336sq	*NAF78

The movements of 4 August are mostly related to visiting the Texel Airshow. Chinook D-667 stands out on 4 and 7 August as she was flying bambi bucket missions just past Venlo on the German boarder and Wateren in the northern part of Holland, helping firefighters.

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

De Kooy

July 2018		
07. OY-HJJ	EC155B1	NHV
arr tdy		
August 2018		
02. 9926	Mi-171	222.vrl
3365	Mi-35	221.vrl
G-BYHG	Do328-110	Loganair
03. RN08	NH90-TTH	18sq/1w
3365	Mi-35	221.vrl
54+18	A400M	LTG62
606	Mi-17AE	37.dlot / PJEM
04. 54+18	A400M	LTG62
ES-TLF	L-39C	Breitling Jet Team
ES-YLF	L-39C	Breitling Jet Team
ES-YLI	L-39C	Breitling Jet Team
ES-YLN	L-39C	Breitling Jet Team
ES-YLP	L-39C	Breitling Jet Team
ES-YLX	L-39C	Breitling Jet Team
SE-LVO	DA42NG	Svensk Pilotutbildning
06. 9926	Mi-171	222.vrl
3365	Mi-35	221.vrl
606	Mi-17AE	37.dlot / PJEM
N748D	Beech 76	Jansen
08. 2x	PC-7	131EMVOsq
09. <u>G-988</u>	C-130H	336sq
20. 1x	NH90-TTH	18sq/1w



Around 11 July 2018 the tail of this PC-7 was covered with decals to commemorate the 30th anniversary of the 131st Elementaire Militaire Vlieger Opleiding (EMVO) squadron. The 131EMVO squadron provides basic elementary pilot training as well as advanced pilot training for all Air Force pilots. (Woensdrecht, 3 August 2018, Johan Havelaar)

15. J-509	F-16AM	322sq	16 /NAF82	Q-08	AH-64DN	301sq	arr Redskin08
16. J-055	F-16AM	312/313sq	dep NAF81	PH-KHV/G-29	Beech 18	SKHV	*Beech-form
17. G-781	C-130H	336sq	*NAF71,NAF78	PH-IIB/B-118	AT-16ND	SKHV	*Beech-form
J-643	F-16AM	312/313sq	arr NAF81	31.D-106	CH-47D	298sq	arr Grizzly91
S-444	AS532U2	300sq	*Demon4				
20. G-781	C-130H	336sq	*NAF71				
21. D-892	CH-47F	298sq	*Titan3				
L-11	PC-7	131EMVOsq	*Diamond17				

During the August movements the USAF C-17A stands out as largest visitor of this month, various F-16AM swaps for the 1(NL) ATF ME deployment took place and other regular traffic completes the list.

Credits: SGVolkel Message Board, Scramble MB.

Woensdrecht

August 2018			
01. D-661	CH-47D	298sq	arr Grizzly91
02. 40-AOP	Fokker 100	Montenegro Airlines	dep MGX999
06. SX-ATF	B737-407	GainJet	21 GNJ74
07. FB17	F-16BM	10w/OCU	*BAF411
G-988	C-130H	336sq	*NAF78
OY-YCB	ATR42-500	Nordic Aviation Capital (a/w)	dep
PH-ULP	EC135T2	ANWB - MAA	Lifeline2
08. S-419	AS532U2	300sq	*Demon4
09. D-666	CH-47D	298sq	tst Grizzly91
J-516	F-16AM	322sq	tst Dozer01
13. D-666	CH-47D	298sq	tst Grizzly92
14. D-666	CH-47D	298sq	tst Grizzly92
J-017	F-16AM	322sq	arr Killer
J-516	F-16AM	322sq	dep Dawg
N-319	NH90-NFH	860sq	dep Fiber10
15. 89+56	Sea King Mk41	MFG5	*GNY4810
D-666	CH-47D	298sq	tst + dep Grizzly92
16. S-444	AS532U2	300sq	*Demon4
17. CH05	C-130H	20sq	*BAF674
20. D-665	CH-47D	298sq	arr Grizzly05
9A-BTD	Fokker 100	Trade Air	24 ERN9122/TDR9100
22. S-419	AS532U2	300sq	*Demon4
24. D-667	CH-47D	298sq	*Viking04
29. D-665	CH-47D	298sq	tst + dep Grizzly91
G-781	C-130H	336sq	*NAF71
30. D-665	CH-47D	298sq	Ghost4

In August 2018 Woensdrecht civil movements that stand out comprise a former KLM B737-400, now flying for GainJet in Greece and a former AirSWIFT Philippines ATR42 heading for storage in Billund. The German Marineflieger Sea King was heading for Eindhoven after a visit to SAR Vlissingen, performing a demonstration.

Credits: Johan Havelaar, Scramble MB.

Texel

July 2018		
01. PH-CGN	Do228-212	Kustwacht NCG01
02. F-GUPM	DA42NG	Aeroplano
04. OO-NHX	AS365N3	NHV
05. PH-TAK	DA42NG	Happy Landings
06. L-02	PC-7	131EMVOsq Diamond12
PH-COM	PA-30	Dutch Airline Pilots Aero Club 08
07. N-326	NH90-NFH	DHC *Neptune12
N298SQ	L-18C	van Haarlem '8A-33'
OO-NHX	AS365N3	NHV CG08
PH-CGC	Do228-212	Kustwacht NCG01
PH-FVD	R44	Rotarywings
PH-UCI	J3C-65	J.A. Westdorp
08. PH-CGC	Do228-212	Kustwacht NCG01
09. PH-NCI	BAe3201	AIS Airlines *
11. N748D	Beech 76	Jansen
OE-XAS	R44	HeliCentre
PH-CGN	Do228-212	Kustwacht NCG01
PH-PXZ	AW139	Nationale Politie ZXP26
PH-RIS	EC130B4	KNSF Flight Services
PH-RVS	P68B	Slagboom & Peeters Luchtfotografie
12. PH-DKI	P68C	Zeeland Air 13
PH-HGB	R44	HeliAir
13. PH-DKI	P68C	Zeeland Air 16
14. N955SH	PA-46-350P	Strutt
PH-CGN	Do228-212	Kustwacht NCG01
PH-WRW	EC120B	Heli Holland Holding
15. OY-OMM	DA42NG	Warmerdam

16.41 ye	An-2	1. Eskadrill	17 EEF41	54+18	A400M	LTG62	2x *
L-07	PC-7	131EMVOsq	Diamond09	57+05	Do228NG	MFG3	05 GNY4796
N143LA	PA-46-350P	MSK	03	606	Mi-17AE	PJEM	06
17.PH-DKI	P68C	Zeeland Air		D-EFPS	SV-4C	M. Wingender	05
PH-PXZ	AW139	Nationale Politie	ZXP26	D-EHVO	FWP.149D	S. Kopmann	06
PH-WRW	EC120B	Heli Holland Holding		G-KAXF	Hunter F-6A	DHHF	"N-294" *
18.PH-COM	PA-30	Dutch Airline Pilots Aero Club	19	G-MEDZ	Beech B200	Zeusch Aviation	
PH-DKI	P68C	Zeeland Air		G-ONAA	OV-10B	Bronco Demo Team	"99+18" 04
20.H26	A109BA	17sq/1w.	BAF317	N143LA	PA-46-350P	MSK	dep
D-GERB	P68B	Meier	22	N298SQ	L-18C	van Haarlem	05
PH-PXF	EC135P2+	Nationale Politie	ZXP06	N955SH	PA-46-350P	Strutt	
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart		N9912H	B75N-1	Flying Circus – Hans Nordsiek	05
PH-VCC	DA62	Kohler	f/v	OE-EAS	F4U-4	The Flying Bulls	05
21.N417RK	PA-46-350P	Marco van der Horst		OE-ESA	T-28B	The Flying Bulls	05
OY-HJG	EC135T2+	Uni-Fly	UNC063/ –	PH-DTS	DA42NG	Wings over Holland	
OY-HJR	EC135T2+	Uni-Fly	- /UNC063	PH-DTW	Yak-52	W. Doorduyn	04
22.D-IGIA	Ce421C	Schmal	24	PH-DTX	Yak-52	H. Hollink	04
23.G-DIGI	PA-32-300	Security Unlimited Group		PH-DTY	Yak-52	Chr. Van den Broek	04
24.N504DT	PA-46-350P	Erdtracht	27	PH-HCD	Cabri G2	HeliCentre	05
PH-TIL	PA-32-260	van Til	dep	PH-HCE	R66	HeliCentre	06
26.G-GSYS	PA-34-220T	Richard Schilling	27	PH-JAT	P-51D	Early Birds Foundation	05
PH-COM	PA-30	Dutch Airline Pilots Aero Club		PH-KMR	GA-8	St. Ambulancevliegtuig	04
PH-HHB	H269D	Heli Holland Holding		PH-KWI	Yak-52	E. van der Zwan	04
27.PH-UCI	J3C-65	J.A. Wesdorp		PH-MBO	DA62	M. Boers	05
29.PH-CGN	Do228-212	Kustwacht	NCG01	PH-SHP	AW139	CHC Netherlands	04 HNL20A
PH-TAK	DA42NG	Happy Landings		PH-TOT	Z-21	R. Sénéchal	05
30.RJF01	Extra 330LX	Royal Jordanian Falcons	arr	PH-TXN	AT-6A	Wings over Holland	05
RJF02	Extra 330LX	Royal Jordanian Falcons	arr	PH-YAX	Yak-52	M. Lindenbergh	04
RJF03	Extra 330LX	Royal Jordanian Falcons	arr	04.FA84	F-16AM	2w	3x *
RJF04	Extra 330LX	Royal Jordanian Falcons	arr	FA118	F-16AM	10w	3x *
PH-CGC	Do228-212	Kustwacht	NCG01	54+18	A400M	LTG62	2x *
				D-665	CH-47D	298sq	Grizzly04
				L-13	PC-7	131EMVOsq	Diamond09
				Q-18	AH-64DN	301sq	Redskin22
				T-264	KDC-10	334sq	3x *
				D-FONL	An-2S	Classic Wings	3x
				ES-TLF	L-39C	Breitling Jet Team	*
				ES-YLF	L-39C	Breitling Jet Team	*
				ES-YLI	L-39C	Breitling Jet Team	*
				ES-YLN	L-39C	Breitling Jet Team	*
				ES-YLP	L-39C	Breitling Jet Team	*
				ES-YLX	L-39C	Breitling Jet Team	*
				G-APLO	DHC-1	P. Luijken	
				G-KAXF	Hunter F-6A	DHHF	"N-294" *
				G-MEDZ	Beech B200	Zeusch Aviation	3x
				G-ONAA	OV-10B	Bronco Demo Team	"99+18" 05
				N195JR	Beech 95	Buddy Management	
				N8233	DH.82A	st. Dutch Tiger Flight	
				OO-NSZ	AS365N2	Netherlands Coastguard	CG06
				OO-VBA	Bell 206B3	Van Hessen	

The Estonian Antonov on the 16th arrived from RAF Fairford and departed to Malmö Airport. Uni-Fly changed helicopters at Texel on the 21st. Uni-Fly has a helicopter based at Humberside Airport in support of a offshore wind farm on the North Sea. The Royal Jordanian Falcons arrived on the 30th as the first participants for the LeasewebTexel Airshow. The aircraft carried a different serial and are a different type of aircraft than the ones used in previous years.

August 2018

01.PH-CGC	Do228-212	Kustwacht	NCG01
PH-WRW	EC120B	Heli Holland Holding	
02.3365	Mi-35	221.vrl	03
9926	Mi-171Sh	222.vrl	06
D-EDUR	SF260MB	Ralf Niebergall	05
G-BPCF	J3C-65	B. O'Brien	05
03.3365	Mi-35	221.vrl	06
RN08	NH90-TTH	18sq	04 BAF350



The F13 was the world's first all-metal airliner and pioneer of aviation. The Association of Friends of Historical Aircraft e.V. (VFL) also went in 2010 to search for Junkers F13 aircraft and parts. So far, only one Junkers L 5 engine was found and made functional again. A tail was recreated for exhibition purposes. The Verein der Freunde historischer Luftfahrzeuge e.V. (VFL) was able to inspire Swiss JU-AIR and RIMOWA to recreate an F13. On 15 September 2016, the successful first flight of the F13 took place in Dübendorf of HB-RIM. (Texel, 17 August 2018, Mike de Bruijn)

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This Czech Air Force Mi-171Sh with serial 9926 was manufactured and delivered in 2005. It is being operated by 222.vrl at Náměšť. The helicopter was caught on camera during the air show rehearsal. (Texel, 3 August 2018, Piet Druif)

PH-AFS	Fokker S11-1	St. Fokker Four	"E-14"
PH-BYC	Beech 58	KLS	
PH-CGC	Do228-212	Kustwacht	NCG01
PH-COM	PA-30	Dutch Airline Pilots Aero Club	
PH-DEZ	Ce501SP	Stella Aviation International	
PH-DTS	DA42	Wings over Holland	
PH-EQU	EC155B1	Heli Holland Offshore	
PH-HOG	Fokker S11-1	St. Fokker Four	"E-39"
PH-HOK	Fokker S11-1	St. Fokker Four	"E-29"
PH-HOL	Fokker S11-1	St. Fokker Four	"E-27"
PH-IIB	T-6	KLu Historische Vlucht	"B-118"
PH-JPS	R44	HeliCentre	
PH-KHV	Beech D18S	KLu Historische Vlucht	"G-29"
PH-LSK	T6	KLu Historische Vlucht	
PH-PSC	L-21A	KLu Historische Vlucht	"R-137"
PH-TAK	DA42NG	Happy Landings	
PH-YAK	Yak-52	Vliegend Museum Seppe	
05.RJF01	Extra 330LX	Royal Jordanian Falcons	dep
RJF02	Extra 330LX	Royal Jordanian Falcons	dep
RJF03	Extra 330LX	Royal Jordanian Falcons	dep
RJF04	Extra 330LX	Royal Jordanian Falcons	dep
PH-DLK	DH82A	M.I.M. Schermer Voest	
OO-PTA	R44	Heli & Co	
08.L-07	PC-7	131EMVOsq	Rebel Form.
L-10	PC-7	131EMVOsq	Rebel Form.
PH-PXY	AW139	Nationale Politie	NCG04
10.N8326Y	PA-30-160	Western European Enterprise	
12.PH-ECD	EC120B	Heli Holland Holding	
15.PH-HGB	R44	HeliAir	
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
16.PH-PXY	AW139	Nationale Politie	ZXP25
17.G-CDUE	R44	Southport Golf Complex	
HB-RIM	Junkers F-13	VFL	12
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
20.OO-PTA	R44	Heli & Co	
PH-DKI	P68C	Zeeland Air	21
21.D-HOAF	H145	Wiking Helikopter Service	WHS2AF
23.PH-PXY	AW139	Nationale Politie	ZXP25
24.PH-DKI	P68C	Zeeland Air	
27.PH-PXC	EC135P2+	Nationale Politie	ZXP03
29.PH-DKI	P68C	Zeeland Air	
PH-WRW	EC120B	Heli Holland Holding	
31.PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	

Arrivals for the LeasewebTexel Airshow continued on the 2nd and 3rd with the show taking place on th 4th. Most aircraft departed on the 4th but some stayed till the 5th. In our show reports section you can find a full report of the show. The Junkers F-13 on the 17th was damaged on departure from Texel. During the run-up the aircraft ended up on its nose.

The aircraft finally departed with a new engine and prop on 12 September via Zweibrücken to Sankt Gallen. The Wiking H145 on the 21st went to the UK for offshore duties.

Twente

			August 2018
03.D-IPCH	Ce525A	JetKontor	JKH32A
05.OO-CFW	PC-12/47E	NextGen Partners	
08.D-CEFE	Ce525C	E-Aviation	EFD4E
	D-IFGU	Dieffenbacher	
11.OE-GES	Ce560XLS+	Jet24	12
14.D-IMRB	Beech C90	E-Aviation	EFD1B
15.OO-JCV	PC-12/47E	NextGen Partners	
20.CS-DXG	Ce560XLS	NetJets Europe	NJE844K/740F
	PH-HGT	JetNetherlands	arr
28.D-CEFE	Ce525C	E-Aviation	EFD4E
29.PH-MDG	Ce680	JetNetherlands	arr
30.CS-PHB	EMB505	NetJets Europe	NJE337Y/892Q
	OO-JWB	NextGen Partners	2x

Credit: EHTW spotters.

Flamingo (Bonaire, Dutch Caribbean)

			July 2018
01.N31ZV	Lj31A	Ezair International	04
	N631DV	R&L Aviation	03
	YV2573	Beech A100	
02.N5324J	Ce340A		25
	PH-FBH	AW139	DCCG
	YV623T	Beech 58	
03.HI1017	Beech 1900D	Sky High Aviation	
	N876RA	Ce560XL	Parminter Investments
	YV1256	Ce402	
	YV1316	Ce500	
	YV1345	PA-34-200T	
	YV3105	Ce402	04
04.N305SH	Beech 400A	Administradora Anicar	
	YV3163	PA-34	
05.YV1712	L-410UVP-E		
	YV1785	PA-32RT-300	
	YV3163	PA-34	
06.HI860	BAe3201	ACSA - Air Century	07
	HI1017	Beech 1900D	Sky High Aviation
	N303CZ	CL-300	Operadora 003
	YV1853	Ce310	
07.HK-5013	EMB120RT	SARPA	
	N31ZV	Lj31A	Ezair International
	N247CN	Ce560	Servicios Unifly
	YV3148	Ce510	
	YV3302	Ce414	

08.HK-5013	EMB120RT	SARPA		28.HK-5013	EMB120RT	SARPA	
YV3148	Ce510			YV1316	Ce500		29
09.YV3302	Ce414			YV2493	Beech 200C	Gr. Aéreo de Transp. Adm. 5	
10.HI860	BAe3201	ACSA - Air Century	11	YV3302	Ce414		
N305SH	Beech 400A	Administradora Anicar		29.HK-5013	EMB120RT	SARPA	
11.HI1013	BAe4101	Sky High Aviation		N5324J	Ce340A	Paul Fletcher	31
YV3163	PA-34			YV2493	Beech 200C	Gr. Aéreo de Transp. Adm. 5	
13.HI860	BAe3201	ACSA - Air Century	14	YV3378	Ce500		
HI1013	BAe4101	Sky High Aviation		30.YV1565	CeT310		
YV623T	Beech 58			YV1987	BN-2B-21	Chapi Airlines	
YV2859	PA-31T			YV3105	Ce402		
14.HK-5013	EMB120RT	SARPA	15	31.HI772	BAe3101	ACSA - Air Century	
YV3203	Beech C90GTx			HI1017	Beech 1900D	Sky High Aviation	
15.N180CP	Lj60	Global Parcel Services Corporation					
YV1285	PA-34			<u>Air Antilles Express:</u>			
YV1987	BN-2B-21	Chapi Airlines		F-OIXE	02, 05, 12, 14, 16, 22, 25, 26, 28, 30		
YV2921	PA-31			F-OIXH	04, 07, 09, 11, 19, 21	F-OIXO	18
YV3048	PA-31			<u>American:</u>			
17.HI860	BAe3201	ACSA - Air Century	18	N9002U	28	N9015D	21
HI1017	Beech 1900D	Sky High Aviation		N9012	14	N9025B	07
N2244P	PA-23-250	Island Birds		<u>Aruba Airlines:</u>			
18.PH-FBH	AW139	DCCG		C-FXHC	01, 03, 05, 07, 08, 10		
YV1285	PA-34			C-FXLH	12, 14, 15, 16, 17, 19, 22, 24, 26, 28, 29, 31		
YV1345	PA-34-200T			<u>Delta:</u>			
19.PH-FBH	AW139	DCCG		N682DA	07		N851DN 15
20.HI860	BAe3201	ACSA - Air Century	21	N682DA	28		N882DN 08
HI1017	Beech 1900D	Sky High Aviation		N699DL	14		N3734B 01
PH-FBH	AW139	DCCG		N812DN	29		N3743H 06
YV1987	BN-2B-21	Chapi Airlines	21	N843DN	22		N6713Y 21
21.HK-5013	EMB120RT	SARPA	22	<u>TUI Airlines Netherlands:</u>			
P4-AAE	A319-111	Aruba Airlines		PH-TFK	06, 10, 14, 18, 20, 25, 27, 31		
YV1926	PA-23			PH-TFL	03, 07, 11, 13, 17, 28	PH-TFM	04, 21, 24
YV3140	IAI1124	Aviacion Corporativa CDD		<u>United:</u>			
YV3203	Beech C90GTx			N13227	14-15	N36476	07-08
22.PP-LMH	EMB500	MCL		N14231	28-29	N54241	01
23.PH-FBH	AW139	DCCG		N14250	21-22	N76269	28
YV1345	PA-34-200T			N35271	21	N81449	07
YV2887	Beech 55		24	N36207	14		
24.HI976	Saab 340B	ACSA - Air Century		Until the 21st only regular visitors when Aruba Airlines used the Airbus on their schedule. The rest of their schedule was performed by their leased CRJs of which the -LH operates in their own colours. On the 22nd the only fuel stopper of the month.			
HI1017	Beech 1900D	Sky High Aviation		August 2018			
N247CN	Ce560	Servicios Unifly	27	01.HI772	BAe3101	ACSA	
N707FJ	Falcon 900	Exxaero	29	N179JA	G200	Don Goyo Aviation	12
PH-FBH	AW139	DCCG		N247CN	Ce560	Servicios Unifly	15
YV2780	Beech B200			YV1844	L-410UVP	Tr. Air Iglesias	02
25.HI840	BAe3101	ACSA - Air Century		YV2122	RC690B		
PH-FBH	AW139	DCCG		02.HI1005	Ce525A	Helicopteros Dominicanos	04
26.PH-FBH	AW139	DCCG					
27.HI772	BAe3101	ACSA - Air Century	28				
HI1017	Beech 1900D	Sky High Aviation					
N326N	BAe125-800A	Catalina Aerospace Corp.	28				
PH-FBH	AW139	DCCG					
YV1316	Ce500						
YV3105	Ce402						



Dutch charter company Zeusch Aviation has added a King Air 200 turboprop to its fleet in March 2018. Zeusch has placed The King Air 200 was placed on the AOC of the British ambulance company IAS Medical shortly after being delivered with its Spanish registration EC-JGB. IAS Medical will also operate G-MEDZ. The Beech B200 was used as sponsor shuttle during the Texel Airshow. (Texel, 4 August 2018, Jaap Niemeijer)

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The Royal Jordanian Falcons are a regular guest in the European air show circuit. The team was formed on the orders of the late King Hussein of Jordan in 1976. Since December 2017 the team is using the Extra 330LX. Although the pilots are all Royal Jordanian Air Force personnel however, the aircraft are owned and maintained by Royal Jordanian Airlines. Piet Druif took this photo during one of the rehearsals on 3 August 2018. It clearly shows the aircrafts RJF04 marking just below its tail but the c/n plate shows civil registration JY-RFD.

YV1065	Ce310			25. HK-5013	EMB120RT	SARPA		26
YV1926	PA-23			26. P4-AAE	A319-111	Aruba Airlines		
YV2296	PA-23-250			YV1257	Beech A100			
YV2493	Beech 200C	Gr. Aéreo de Transp. Adm. 5		YV3100	PA-31T1			
YV3105	Ce402			28. HI772	BAe3101	ACSA		29
03. HI772	BAe3101	ACSA	04	HI1017	Beech 1900D	Sky High Aviation		
HI1017	Beech 1900D	Sky High Aviation		YV3378	Ce500			
YV3086	Ce550			29. N450JS	G450	Sandals Resorts Int'l		
YV3105	Ce402			N876RA	Ce560XL	Parminter Investments		
04. HK-5013	EMB120RT	SARPA	05	YV2836	PA-31-325			
N403SL	G200	A-OK Jets	05	31. HI840	BAe3101	ACSA - Air Century		
YV2724	RC690A			HI1017	Beech 1900D	Sky High Aviation		
07. HI772	BAe3101	ACSA	08	<u>Air Antilles Express:</u>				
HI1017	Beech 1900D	Sky High Aviation		F-OIXD	11, 16, 18	F-OIXO	02, 04	
08. HI949	Ce510	Helidosa		F-OIXE	01, 06, 08, 09, 15, 20, 22, 30			
PH-CGA	DHC-8-106		f/v	DCCG				
10. HI772	BAe3101	ACSA	11	F-OIXH	13, 23, 25, 27, 29			
HI1017	Beech 1900D	Sky High Aviation		<u>American:</u>				
11. HK-5013	EMB120RT	SARPA	12	N3014R	11	N9015D	04	
12. N31ZV	Lj31A	Ezair International	31	N4032T	18	N93003	25	
14. HI772	BAe3101	ACSA	15	<u>Aruba Airlines:</u>				
HI1017	Beech 1900D	Sky High Aviation		C-FXLH	02, 04, 05, 07, 09, 11, 12, 16, 18, 19, 21, 23, 25, 28, 30			
YV1425	Ce402B			<u>Delta:</u>				
YV2182	RC690B			N688DL	11	N6707A	25	
15. YV1526	PA-34			N696DL	18	N6709	04	
YV2736	Beech 400A			N843DN	12	N6712B	26	
16. N403SL	G200	A-OK Jets	18	N861DN	05	N6715C	19	
N876RA	Ce560XL	Parminter Investments	17	<u>TUI Airlines Netherlands:</u>				
YV2836	PA-31-325			PH-TFK	08, 10, 15, 17, 22, 24, 29, 31			
YV3144	Beech 200			PH-TFL	07, 11, 14, 18, 21, 25, 28			
17. HI772	BAe3101	ACSA	18	PH-TFM	01, 03, 04			
HI1017	Beech 1900D	Sky High Aviation		<u>United:</u>				
N725CG	Ce525	Tango Lima	19	N12238	04-05	N73270	18	
YV2836	PA-31-325			N17229	18-19	N76523	11-12	
YV2892	Ce500			N27213	12-13	N77520	04, 25-26	
18. HK-5013	EMB120RT	SARPA	19	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.				
YV1104	Beech A100			A nice Let visited on the 1st and after it departed it quickly returned due to a technical problem and left again the day after repairs. A new registration on the 8th but not a new frame for Bonaire. The Coast Guard Dash-8 C-GPAB has been reregistered. Conviaa operated for Insel Air on the 20th and Aruba Airlines sent a bigger aircraft on the 26th. The Gulf on the 29th won the nicest livery contest this month.				
YV3203	Beech C90GTx			<u>Credit:</u> Danny de Kiewit.				
20. YV2493	Beech 200C	Gr. Aéreo de Transp. Adm. 5						
YV2892	Ce500							
YV2911	ERJ190AR	ConViasa	<u>INC305/6</u>					
YV3100	PA-31T1							
21. HI772	BAe3101	ACSA	22					
HI1017	Beech 1900D	Sky High Aviation						
YV2493	Beech 200C	Gr. Aéreo de Transp. Adm. 5						
23. N680CF	Ce680	Colombina						
PH-FBH	AW139	DCCG						
YV3100	PA-31T1							
24. HI772	BAe3101	ACSA	25					
HI1017	Beech 1900D	Sky High Aviation						

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Movements Belgium



This Gulfstream 4 was built in 1989 and tested as N464GA. In February 2015 it was registered to SB 1088 LLC as N385PD and in September 2017 the registration was changed to N305PB. The aircraft is linked to a James Torrey. The bizjet arrived from Düsseldorf and departed to Durham Tees Valley. (Antwerp, 15 August 2018, Walter Van Brempt)

Antwerp

			August 2018				
01.D-EEFB	SV-4C	Franz Busse	f/v tst	OO-STR	AS350B3	Stephex Stables	2x
OE-FLG	Ce525	Smartline		OO-SVG	SV-4B	J. de Block	
OO-GEE	PC-12/47E	Blue Sky Aviation	02	11.D-GCUP	DA42NG	Vizium Air	15
OO-STX	EC120B	llpam		F-HFTV	Beech 200	Aero Sotravia	
02.RN08	NH-90TTH	18sq/1w		OO-ACC	Ce525A	Air Service Liège	12
CS-DLH	Falcon 2000EX	NetJets Europe	03	OO-AFJ	SV-4C	F. Vuylsteke	
CS-DXM	Ce560XLS	NetJets Europe		OO-GEE	PC-12/47E	Blue Sky Aviation	16
D-CQAB	Lj45	Quick Air Jet Service		OO-STR	AS350B3	Stephex Stables	
D-EEFB	SV-4C	Franz Busse	tst	OO-SVG	SV-4B	J. de Block	
M-ARTY	PC-12/47E	Creston (UK)	2x	12.F-HFTV	Beech 200	Aero Sotravia	19
OO-ACC	Ce525A	Air Service Liège	03	OE-GPS	Ce550 Bravo	Tyrol Air Ambulance	
03.H24	A109BA	17sq/1w		OO-IDE	Ce525	Air Service Liège	
CS-LAU	Ce680A	NetJets Europe	04	13.CS-PHA	EMB505	NetJets Europe	
D-EEFB	SV-4C	Franz Busse	tst	F-HFTV	Beech 200	Aero Sotravia	tst
D-IAAY	EMB500	Arcus Air		HB-JSD	Falcon 8X	Dasnair	
HB-LUZ	P68C	Swiss Flight Services	04	LX-EBE	Ce560XLS+	Flying Group Luxembourg	16
N127QR	Beech 300LW	A. Ruijgrok	20	PH-DWS	ERJ135LR	Air Charters Europe	
OO-ACC	Ce525A	Air Service Liège	04	14.D-IBFS	Beech C90GTi	Brose Fahrzeugteile	
OO-SKY	Ce525A	Luxaviation Belgium		F-HFTV	Beech 200	Aero Sotravia	tst
04.9H-GPS	Ce560XL	Luxwing	06	N10522	PA-46-350P	Ximus	
CS-CHE	CL-350	NetJets Europe	05	OE-FHK	Ce510	GlobeAir	16
D-EEFB	SV-4C	Franz Busse	dep	OO-HSM	AS355F1	Heli Service Belgium	16
HB-LUZ	P68C	Swiss Flight Services	05	OO-IDE	Ce525	Air Service Liège	22
LX-JFY	PC-12/47E	Jetfly Aviation	05	OO-STR	AS350B3	Stephex Stables	2x
OO-ACC	Ce525A	Air Service Liège	07	PH-TXA	Ce510	ASL	15
PH-TXA	Ce510	ASL	05	TC-STA	Beech 400A	SOS Aviation	f/v 15
05.CS-DXX	Ce560XLS	NetJets Europe		15.CS-CHB	CL-350	NetJets Europe	
F-GJFA	Beech B200	Aero Sotravia		F-HFTV	Beech 200	Aero Sotravia	tst
OO-PCM	PC-12/47E	EAPC		OO-HSM	AS355F1	Heli Service Belgium	tst
06.CS-DRY	BAe125-800XPi	NetJets Europe		PH-LAW	CeT310R	Slagboom & Peters	19
D-CJPG	Lj35A	Quick Air Service		PH-TXA	Ce510	ASL	18
HB-JSD	Falcon 8X	Dasnair	f/v	T7-FOZ	Ce525	Open Sky Aviation	30
LX-EAA	Lj45	DucAir – LAR	07	16.CS-CHE	CL-350	NetJets Europe	17
OO-FDG	Falcon 2000EX	Luxaviation Belgium	f/v	CS-LTG	Ce680A	NetJets Europe	f/v
PH-TXA	Ce510	ASL	09	F-HFTV	Beech 200	Aero Sotravia	tst
07.D-CAVA	SA227AC	Binair		LX-EBE	Ce560XLS+	Flying Group Luxembourg	18
D-CHIP	Ce525B	E-Aviation		N305PB	G-IV	James Torrey	f/v 17
LX-EBE	Ce560XLS+	Flying Group Luxembourg	13	OO-ACC	Ce525A	Air Service Liège	17
OO-JOE	R44	J & G		OO-PCK	PC-12/47E	EAPC	
PH-DFD	DA42	BFS		PH-BYC	Beech 58	KLS	
08.D-ITEM	PA-31T	Aerotours		17.9H-KAZ	BAe125-900XP	Hyperion Aviation	27
G-LUBB	Ce525	Centreline	09	CS-LTG	Ce680A	NetJets Europe	18
OE-FMO	Eclipse 550	Mali Air	f/v	D-CASH	EMB505	Air Hamburg	
PH-TSN	DA42	Twin Star Netherlands		F-HFTV	Beech 200	Aero Sotravia	tst
09.D-FAST	Ce208	Business Wings		OK-RRR	PA-46-600TP	OK Aviation Wings	f/v
OO-AFJ	SV-4C	F. Vuylsteke	tst	OO-GEE	PC-12/47E	Blue Sky Aviation	19
PH-TXA	Ce510	ASL	13	OO-STR	AS350B3	Stephex Stables	
10.CS-CHD	CL-350	NetJets Europe		PH-MYX	Ce650	JetNetherlands	22
HI1025	G400	Helidosa	f/v 12	18.CS-LTE	Ce680A	NetJets Europe	19
OO-GEE	PC-12/47E	Blue Sky Aviation	11	F-HFTV	Beech 200	Aero Sotravia	tst
				LX-EBE	Ce560XLS+	Flying Group Luxembourg	20
				N119NE	Falcon 7X	Planet Nine	f/v
				OO-SVG	SV-4B	J. de Block	

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19. OO-STX	EC120B	Ilpam		F-HJCD	Falcon 2000LXS	J.C. Decaux	31
PH-TXA	Ce510	ASL	21	M-ARTY	PC-12/47E	Creston (UK)	
20. M3	SA316B	40sq		PH-STB	Falcon 900C	Exxaero	
ST46	SF260D	CC Air		31. CS-DVZ	Ce550	Taespejo	
D-CCWM	EMB505	MHS Aviation	21	D-HEOY	EC135T1	Heliventure FTO	2x
LX-EBE	Ce560XLS+	Flying Group Luxembourg	21	OO-GEE	PC-12/47E	Blue Sky Aviation	
OO-ACC	Ce525A	Air Service Liège	22	PH-FJK	Ce525B	ASL	
OO-PCI	PC-12/47E	EAPC		PH-TXA	Ce510	ASL	
21. G-LUBB	Ce525	Centreline	22	The Stampe on the 1st made its first (test) flight after restoration. Before its departure to Aachen Merzbrück Airfield on the 4th the aircraft performed more test flights on the 2nd and 3rd.			
OK-PMC	PC-12/47E	T-Air	22	<u>Credits:</u> ASA Belgium vzw, Luchtzak.be forum.			
OY-TSA	Ce525B	Nilan	f/v	<u>Brussels</u>			
22. 9H-VCD	CL-350	VistaJet Malta		August 2018			
CS-PHL	EMB505	NetJets Europe		01. F-HGOD	P180	Investairs	
LX-EBE	Ce560XLS+	Flying Group Luxembourg	24	OO-SBA	A321-231	VLM Airlines (a/w)	dep TCW3001
OK-PTT	PC-12/47E	Air Bohemia	24	03. EC-ISY	B757-256	Privilege Style	VLG8990/1
OO-ACO	Ce510	Air Service Liège	23	OE-GDP	EMB505	Speedwings	SPG916
OO-IDE	Ce525	Air Service Liège	27	04. B-3999	B737-79L	Beijing Airlines	BJN99
OY-TSA	Ce525B	Nilan		CS-LAS	Ce680A	NetJets Europe	NJE987U/741B
23. D-HBWH	Bo105S	Air Lloyd	28	CS-LTB	Ce680A	NetJets Europe	NJE393C/459M
D-IDAZ	Ce525	Donau Air Service		EC-KRN	G200	Executive Airlines	dep
F-GPJD	Beech E90	Arkata Aviation	24	G-LEGC	ERJ135BJ	Luxaviation UK	arr
OO-ACO	Ce510	Air Service Liège	31	G-SUGR	ERJ135BJ	Air Charter Scotland	EDC452
OO-PCJ	PC-12/47E	EAPC		HS-VSK	G650	Vichai Srivaddhanaprabha	arr
OO-STR	AS350B3	Stephex Stables		LY-GGC	B737-3Q8	Grand Cru Airlines (a/w)	TAR668/9
PH-TXA	Ce510	ASL	27	LY-PGC	B737-4S3	GetJet Airlines	TAR782/3
24. CS-LTH	Ce680A	NetJets Europe	f/v 26	OE-FID	Ce510	Sky Taxi Luftfahrt	05
D-CQAJ	Lj35A	Quick Air Service		OE-FPP	Ce510	GlobeAir	GAC327Y
N127QR	Beech 300LW	A. Ruijgrok		OY-EDP	Ce650	North Flying	arr
25. D-COLO	Ce525C	Jetkontor AG		05. EC-MXJ	A320-214	Gowair (a/w)	RAM690/1
D-ITIP	Ce525	Star Wings Dortmund	26	YR-URS	A319-132	Air Moldova (a/w)	MLD801/2
N127QR	Beech 300LW	A. Ruijgrok		07. HS-VSK	G650	Vichai Srivaddhanaprabha	arr
26. CS-DXM	Ce560XLS	NetJets Europe		M-LCFC	B737-7EI	Cielo del Rey	
OK-PMI	Beech 400A	Queen Air		T7-SLA	CL-850	ISD Avia	
OO-ACC	Ce525A	Air Service Liège	31	08. 9H-KAZ	BAe 125-900XP	Hyperion Aviation	arr
OO-PCJ	PC-12/47E	EAPC		D-CQAB	Lj45	Quick Air Jet Charter	
PH-DWS	ERJ135LR	Air Charters Europe	29	F-HGOD	P180	Investairs	
27. 9H-KAZ	BAe125-900XP	Hyperion Aviation	28	PH-VBG	Falcon 2000EX	JetNetherlands	
9H-PLM	Ce650	Luxwing		09. A6-EQN	B777-300ER	Emirates	f/v UAE181/2
D-ICBA	Ce525A	Proair Aviation	28	EC-LOV	CRJ1000	Binter Canarias	f/v ANE8854/5
LX-EBE	Ce560XLS+	Flying Group Luxembourg	28	OE-GDP	EMB505	Speedwings	SPG947
M-BETS	RC695A	Aldersey Aviation		10. F-HLVM	A330-202	LEVEL	dep BOS18
PH-TXA	Ce510	ASL	28	M-SQAR	G550	Global Jet Luxembourg	dep
28. D-CAAM	Do228-212	Arcus Air	29	OE-FZA	Ce510	GlobeAir	GAC944L/833L
D-IUNQ	Ce510	Luxaviation Germany	f/v	OE-GBE	IAI1125SPX	Tyrol Air Ambulance	arr
N862GS	Ce510	Buzzard Aviation	f/v 29	SE-RNR	CL-350	European Flight Service	dep
OE-FZE	Ce510	GlobeAir		11. LY-GGC	B737-3Q8	Grand Cru Airlines (a/w)	TAR668/9
OO-SEA	R66	Promotion and Building Company	f/v	LY-PGC	B737-4S3	GetJet Airlines	TAR782/3
PH-MRO	Ce421C	Q-Flights		12. YR-URS	A319-132	Air Moldova (a/w)	MLD801/2
PH-TXA	Ce510	ASL		13. 0065/F-RBAM	A400M	ET01.061	CTM2007
29. ST47	SF260D	CC Air					
OE-FLG	Ce525	Smartline					
OE-GIQ	Lj45	Avcon Jet	f/v				
PH-BYD	Beech 58	KLS					
PH-MYX	Ce650	JetNetherlands	30				
30. F-GRYL	Beech 1900D	Twin Jet					



Proteus Airlines took delivery of this Beech 1900D in January 1998 as F-GRYL. The company was one of the airlines that merged into Régional Compagnie Aérienne Européenne on 30 March 2001. The Beech 1900D was acquired by Twin Jet in May 2003 and retained its registration. Twin Jet merged with French competitor Hex'Air in January 2017. (Antwerp, 30 August 2018, Walter Van Brempt)



Delivered to Scandinavian in August 2000 this Boeing 737-800 ended up with Blue Air in July 2018. YR-BMP is the first of several planes that will have pictures of a total of three of Romania's monarchs according to the company. In addition to Carol I, Carol II and Michael I of Romania will embellish the Blue Jet aeroplanes in the future. (Brussels, 5 August 2018, Jochem Jottier)

14. LY-VEI	A320-233	SunExpress	f/v SXS4JD/551	24. 02-0201	C-40C	201st AS	26 Boxer41
15. A7-BAH	B777-3DZER	Qatar Airways	div QTR273	7T-VPM	G-IVSP	Government of Algeria	
C-FLSW	B737-8HX	TUI Netherlands	div TFL794	CS-CHE	CL-350	NetJets Europe	NJE353K/872N
D-IMGW	Ce525A	Air Hamburg	16 AHO554U/595P	CS-CHH	CL-350	NetJets Europe	NJE291G/843R
HB-IZI	Saab 2000	SkyWork	div SRK30E/300	D-IPPY	P180	AirGo Flugservice	25 XGO4BR/4A
I-AIGG	B767-304ER	Air Italy	JAF304/305	F-HSHC	Ce525M	Flybox Two	
N819NW	A330-323E	Delta Air Lines	div DAL164	LX-DEA	Ce560XLS	Luxaviation	dep
PH-BGR	B737-7K2	KLM	div KLM58C	LX-JFQ	PC-12/47	Jetfly Aviation	arr
PH-BGX	B737-7K2	KLM	div KLM1302	OE-HUB	Ce750	Bairline	25
PH-BXB	B737-8K2	KLM	div KLM1652	P4-BFL	G450	Best Fly	BFY979C/980C
PH-EXK	ERJ175STD	KLM Cityhopper	div KLM30G	25. 605	A319-112	MH 59. Sz.D. R	HUAF755
PH-EZV	ERJ190STD	KLM Cityhopper	div KLM1456	CS-LAS	Ce680A	NetJets Europe	26 NJE97Q/820F
PH-TFC	B737-8K5	TUI Netherlands	div TFL792	LY-GGC	B737-3Q8	Grand Cru Airlines (a/w)	TAR668/9
16. 9H-AMY	CL-850	Air X Charter	arr	LY-PGC	B737-4S3	GetJet Airlines	TAR782/3
D-CWAY	Lj55	MHS Aviation		26. 9A-JSC	Ce525A	Jung Sky	arr
M-UNIS	Global XRS	Lapwing		D-CAHO	Ce560XLS+	Air Hamburg	
OK-PMI	Beech 400A	Queen Air	dep	D-CASH	EMB505	Air Hamburg	AHO933J
OO-NGI	ERJ190BJ	Flying Group		M-LCFC	B737-7EI	Cielo del Rey	
PR-SVN	Falcon 7X	Altus Participações	17	N59JE	G-V	Talon Air	
UR-WRR	BAe125-800XP	Viskona Investments	17 WRC7781/	OE-FZD	Ce510	GlobeAir	27 GAC30J/942Q
17. 9H-KAZ	BAe125-900XP	Hyperion Aviation	dep	OE-HUB	Ce750	Bairline	arr
D-CUGF	Ce525B	Stuttgarter Flugdienst	FFD525	YR-URS	A319-132	Air Moldova (a/w)	MLD801/2
G-JALS	Ce560XLS+	Air Charter Scotland		28. 01	C-37A	Washington	arr
G-POWC	B737-33AQC	Titan Airways	AWC601/960W	EK73797	B737-505	Air Moldova	MLD801/2
G-SPUR	Ce550	Luxaviation UK	arr	29. HB-JIN	Falcon 900EX	Jet Aviation Business Jets	arr
I-AIGG	B767-304ER	Air Italy	JAF306/307	OO-SFD	A330-342	Brussels Airlines	dep
VP-BIB	Ce525C	Omy Aviation		PH-TXA	Ce510	JetNetherlands	30
18. LY-GGC	B737-3Q8	Grand Cru Airlines (a/w)	TAR668/9	31. OO-ABD	A340-313	Air Belgium	f/v ABB921P
LY-PGC	B737-4S3	GetJet Airlines	TAR782/3				
PH-TXA	Ce510	JetNetherlands	19				
19. 9H-OKG	ERJ135BJ	Jet Aviation	dep				
CS-TRO	A320-214	White	VLG2150/1				
D-CQAB	Lj45	Quick Air Jet Charter	arr QAJ921				
D-IAAB	EMB500	Arcus Air	arr AZE51AJ				
M-LCFC	B737-7EI	Cielo del Rey					
N150WJ	G-V	Windsor Jet					
OE-HPG	CL-300	LaudaMotion Executive	LDX7C				
PH-CTH	Falcon 2000LX	Flying Group					
SP-TAT	Beech 400A	Smart Jet					
20. EK73797	B737-505	Air Moldova	MLD801/2				
21. EC-MXJ	A320-214	Gowair (a/w)	RAM678/9				
LY-VEI	A320-233	SunExpress	SXS550/3JY				
22. 165151	C-20G	CFLSW Det. Sig	23 Catbird1	01. CD01	Falcon 900B	21sq	August 2018
23. 0217	M-28B/PT	8.BLTr (12.el)	arr	CH04	C-130H	20sq	*
ZE701	BAe146 CC2	32(TR)sq	dep	02. CH04	C-130H	20sq	*
05-0730	C-40C	73rd AS		06. 03-3127	C-17A	62nd AW	07
166376	C-37B	VR-1	arr	CH12	C-130H	20sq	
9H-VJO	Global 6000	VistaJetMalta	27 VJT889	09. CH04	C-130H	20sq	*
D-IPCG	Ce425	PGS Holding		10. CH01	C-130H	20sq	*
HB-VRV	EMB500	Air-Connect	24	13. CH01	C-130H	20sq	*
LX-JFY	PC-12/47E	Jetfly Aviation	24	14. CH01	C-130H	20sq	*

The VLM Airbus A321 that had arrived on 12 July 2018 operated its first flight on the 1st to Antalya. On the 10th a departing LEVEL Airbus after maintenance. The Air Italy Boeing on the 15th (and 17th) is still in Meridiana colours. All diversions on that day were from Amsterdam. The Brussels Airlines Airbus on the 29th was ferried to Rome for painting. The latest Air Belgium Airbus visited on the 31st on its way from Ostend to Charleroi.

Credits: Luchtzak forum, Scramble forum.

Kleine Brogel

							August 2018
01. CD01	Falcon 900B	21sq	*				
CH04	C-130H	20sq	*				
02. CH04	C-130H	20sq	*				
06. 03-3127	C-17A	62nd AW				07	
CH12	C-130H	20sq					
09. CH04	C-130H	20sq	*				
10. CH01	C-130H	20sq	*				
13. CH01	C-130H	20sq	*				
14. CH01	C-130H	20sq	*				

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CH03	C-130H	20sq	*
16.CH01	C-130H	20sq	*
17.CH01	C-130H	20sq	*
CH05	C-130H	20sq	*
20.ST44	SF260D	CC Air (grey c/s)	*
ST45	SF260D	CC Air	*
S-453	AS532U2	300sq	*
21.CH10	C-130H	20sq (special c/s)	*
22.CH10	C-130H	20sq (special c/s)	*
23.CH04	C-130H	20sq	*
ST41	SF260D	CC Air (grey c/s)	*
24.CH09	C-130H	20sq	*
LX-N90446	E-3A	NAEW&CF	*
S-444	AS532U2	300sq	*
29.ST41	SF260D	CC Air (grey c/s)	*
ST44	SF260D	CC Air (grey c/s)	*
30.45+57	Tomado IDS	TLG33	*
31.ST32	SF260M+	CC Air	*

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

Koksijde

August 2018			
01.FA84	F-16AM	2w	*
FA118	F-16AM	2w	*
02.FB17	F-16BM	10w	*
ST47	SF260D	CC Air (yellow c/s)	*2x
E83/705-TZ	Alpha Jet E	EAC00.314	*
E115/705-MR	Alpha Jet E	EAC00.314	*
E137/705-LJ	Alpha Jet E	EAC00.314	*

E148/705-LU	Alpha Jet E	EAC00.314	*
03.ST41	SF260D	CC Air (grey c/s)	*
06.1x	SF260D/M+	CC Air	*
FA104	F-16AM	10w	*
FB24	F-16BM	10w/OCU (spec mks)	*
07.FA87	F-16AM	10w	*2x
FA102	F-16AM	10w	*2x
FA103	F-16AM	10w	*2x
FB20	F-16BM	10w	*2x
09.L-10	PC-7	131EMV0sq	*3x
13.FA70	F-16AM	10w	*4x
FA114	F-16AM	10w	*
14.1x	F-16AM	10w	*
FA70	F-16AM	10w	*
FA103	F-16AM	10w	*
H29	A109BA	17sq/1w (demo c/s)	*
L-03	PC-7	131EMV0sq	*3x
17.H22	A109BA	17sq/1w	2x
H28	A109BA	17sq/1w	*
ST32	SF260M+	CC Air	*2x
20.CH10	C-130H	20sq (spec c/s)	*4x
FA110	F-16AM	10w	*
FB18	F-16BM	10w	*
H29	A109BA	17sq/1w (demo c/s)	*
ST43	SF260D	CC Air (grey c/s)	*
21.H45	A109BA	17sq/1w	*
ST06	SF260M+	CC Air (Red Devils c/s)	23
ST22	SF260M+	CC Air (Red Devils c/s)	22
ST31	SF260M+	CC Air (Red Devils c/s)	22
ST34	SF260M+	CC Air (Red Devils c/s)	*



Air Nostrum took delivery of this CRJ1000 in November 2011 and has been operating the aircraft in Iberia Regional colours until October 2017. Since that date EC-LOV is being operated by Air Nostrum in Binter Canarias colours. (Brussels, 9 August 2018, Paul Sanders)

ST35	SF260M+	CC Air (Red Devils c/s)	22
22.CH04	C-130H	20sq	*
FA95	F-16AM	10w	*
FA114	F-16AM	10w	*
FA119	F-16AM	10w	*
FA134	F-16AM	10w	*
H16	A109BA	press	arr by road
H22	A109BA	17sq/1w	
H24	A109BA	17sq/1w (demo c/s)	
ST22	SF260M+	CC Air (Red Devils c/s)	
ST31	SF260M+	CC Air (Red Devils c/s)	
ST34	SF260M+	CC Air (Red Devils c/s)	
ST35	SF260M+	CC Air (Red Devils c/s)	
ST43	SF260D	CC Air (grey c/s)	
ST45	SF260D	CC Air (yellow c/s)	23
RN06	NH90-TTH	18sq/1w	
272	B-Hunter	80UAVsq	
E42/705-TA	Alpha Jet E	EAC00.314 (spec mks)	*
E128/705-TM	Alpha Jet E	EAC00.314	*
23.E42/705-TA	Alpha Jet E	EAC00.314 (spec mks)	*
G-ONAA	OV-10B	Bronco Demo Team	*
24.1x	SF260D	CC Air	*2x
28.1x	SF260M+	CC Air	*
ST47	SF260D	CC Air	*
278	AW139	301sq	*
30.FA131	F-16AM	10w	*

272	B-Hunter	80UAVsq	*
31.FB20	F-16BM	10w	*
H44	A109BA	17sq/1w	
ST45	SF260D	CC Air (yellow c/s)	*3x
274	B-Hunter	80UAVsq	
287	B-Hunter	80UAVsq	

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

Liège

August 2018			
01.9H-BCP	Lj45	Skyfree	
05.SP-SPE	ATR72-202	SprintAir	arr
07.OO-JRX	Bell 505	Helimo	
08.A7-MAN	C-17A	12sq	10 LHOB242
D-ASAP	ERJ135BJ	Air Hamburg	AHO496T
EI-ENG	B737-8AS	Ryanair	div 09 RYR2964/0035
EW-450TR	IL-62MGr	Rada Airlines	
M-ABGV	Lj45XR	Ryanair	
SP-KPC	Saab 340A/QC	SprintAir	arr
09.D-ASAP	ERJ135BJ	Air Hamburg	arr
F-HZDP	A320-214	Air Corsica	Div 10 CCM792L/1L
M-ABGV	Lj45XR	Ryanair	
OK-BEE	Beech 400A	JetBee Czech	dep



The first two C-17s for Qatar were ordered in 2008 with options for two more. At the Paris Airshow on 15 June 2015, it was announced that Qatar agreed to order four additional C-17s from the five remaining "white tail" C-17s. A7-MAN departed Long Beach on 29 November 2015 on delivery to Qatar registered as N275ZD. (Liège, 8 August 2018, Martin Uleman)

SP-SPE	ATR72-202	SprintAir	dep	OE-IXI	CL-605	LaudaMotion Executive	26 LDX44
10.G-SHLE	A109E	Slone Helicopters	11	YU-FNR	Ce525	Eagle Express	24 EES323B/4B
OK-GLX	G200	Eclair Aviation	arr	24.CS-DOF	CL-650	Jetcapital Aviation	25
12.A7-CGB	G650ER	Qatar Executive		PR-JAQ	Ce750	Autotrac	26
14.EC-MEO	BAe146-300QT	ASL Airlines Spain	dep TAY953P	25.G-SONE	Ce525A	Centreline	26
OE-IAM	B737-490(F)	ASL Airlines Belgium	tst TAY926E	HB-JKI	G550	Execujet Europe	26
YL-RAG	Saab 340A(F)	RAF-Avia	arr	OH-MUG	PC-12/45	Hendell Aviation	26
17.F-GLNE	Beech 1900D	Twin Jet		OH-TRG	PC-12/47E	Hendell Aviation	26
F-HRGD	ERJ145LU	Aero4M	dep	PH-MFX	Ce650	JetNetherlands	26
18.9H-YES	B737-5Q8	Air X Charter	19 AXY1803/1902	VP-BXB	G650	Tail Wind	26
19.9H-YES	B737-5Q8	Air X Charter	arr	26.9H-VCO	CL-350	VistaJet Malta	VJT449
F-GLPT	SA226T(B)	Airlec		CS-DOF	CL-650	Jetcapital Aviation	
OO-ABA	A340-313E	Air Belgium	ABB340P/1P	CS-DRU	BAe125-800XPi	NetJets Europe	
YU-MTU	Ce525	Infinity Aviation		CS-DRW	BAe125-800XPi	NetJets Europe	
22.EI-EID	A320-216	Alitalia	AZA9002/9903	CS-PHF	EMB505	NetJets Europe	NJE565K/5BF
F-HITM	Beech 400A	Air ITM		D-ASTY	A319-112	Germania	27 GMI105/1026
G-OFOM	BAe146-100	Formula 1 - Flight Operations		D-BEKY	Falcon 2000LX	BASF	2x
G-RJXD	ERJ145EP	bmi Regional		D-CEFE	Ce525C	E-Aviation	
N711LS	Global 6000	The Whitewind Company	26	D-IEMO	Raytheon 390	Privatways	
PR-JAQ	Ce750	Autotrac	24	EC-ISQ	Ce560XL	Gestair	arr
23.9H-VCO	CL-350	VistaJet Malta	VJT449	EI-EIE	A320-216	Alitalia	AZA9902/9003
CS-DOF	CL-650	Jetcapital Aviation		G-EMBI	ERJ145EU	bmi Regional	
CS-DRY	BAe125-800XPi	NetJets Europe		G-FLYW	Beech 200	Fly Wales	dep PYN1
D-CFGG	Lj36A	Quick Air Jet Charter	QAJ1017	G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1
D-CSCB	Ce560XLS+	Silver Cloud Air	SCR187	M-LJGI	Falcon 7X	Ven Air	
D-ISAR	Raytheon 390	Euroflug Frenzel	26	N709EL	Beech 400A	Donington Aviation	
LX-EAA	Lj45	Ducair - LAR	DUK8AMB	N838SC	Global Express	The Whitewind Company	dep
M-LJGI	Falcon 7X	Ven Air		OE-FXE	Ce525A	Speedwings	
N1218F	CL-604	Mustang Investment Holdings	26	OE-GPL	EMB505	Speedwings	
N709EL	Beech 400A	Donington Aviation		OY-CLZ	ATR72-212A	Alsie Express	MMD6459/ -
OE-IIX	CL-605	LaudaMotion Executive	26	YU-FNR	Ce525	Eagle Express	EES326A/B



Former Jade Cargo Boeing 747 B-2441 was added to the fleet of Cargo Air Lines in december 2014 as 4X-ICA. Untill mid 2015 the aircraft was being operated in basic Jade colours. It was then repainted in an all white colour. Early August 2018 the company slogan was added to its forward fuselage. (Liège, 6 August 2018, Jochem Jottier)

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27. CS-DQA	Ce560XLS	NetJets Europe	
G-OFOM	BAe146-100	Formula 1 - Flight Operations	2x
SP-LWC	B737-89P	LOT	LOT7585/3
T7-LSS	AW139	Skymedia	dep
29. G-OFOM	BAe146-100	Formula 1 - Flight Operations	dep
OE-FHK	Ce510	GlobeAir	30 GAC696R/89X
31. EC-LMR	BAe146-300QT	ASL Airlines Spain	dep TAY955P
RA-09600	Falcon 900LX	Gazpromavia	02 GZP9615/6

The Air Corsica on the 9th was a Charleroi diversion. The helicopter on the 10th is former OE-XSA/OO-DIX. It still carries its former Schenker Air colours. The former Pan Air BAe146 on the 14th departed on delivery to JOTA. On that same day an ASL Boeing performed a local test flight prior service entry. Air Belgium on the 19th also performed a local test flight as ABB343T. From the 22nd Formula 1 traffic started to arrive. The formula 1 related flights lasted until the 29th. On the 31st the final ASL Airlines Spain BAe146 departed Liège, ending just under thirty years of 146QT operations initially as Pan Air Líneas Aéreas. The aircraft arrived at Cologne on delivered to WDL Aviation.

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

Ostend-Bruges

August 2018			
01. ER-BBJ	B747-412F	Aerotrans Cargo	ATG6657/1
OO-JWB	PC-12/47E	Nextgen Partners	dep
OO-JWB	PC-12/47E	Nextgen Partners	
03. D-ASBG	Falcon 900EX	Airservices Bremgarten	
N71AH	RC690	GeoFly	tdy 04
N74GG	G-IV	DWM Logistics	
05. D-FUKK	Harvard Mk.4	Jürgen Kraus	
07. D-ASBG	Falcon 900EX	Airservices Bremgarten	08
ER-BBJ	B747-412F	Aerotrans Cargo	08 ATG6658/9
M-BELL	PC-12/47E	B.L. Bell	
OE-FZA	Ce510	GlobeAir	GAC657K/448P
UR-CAH	An-12BK	Ukraine Air Alliance	08 UKL5055/6
08. D-BEEP	Ce750	AirX Charter	
G-CIXV	ERJ170LR	Eastern Airways	f/v EZE944P/9404
09. PH-LAU	Falcon 900EX	Exxaero	
10. 739/93-CK	C-135FR	GRV02.091	FAF4010
G-CIVX	ERJ170LR	Eastern Airways	EZE9450/945P
G-COGS	Bell 407GXP	HC Services	
M-SAXY	PC-12/45	Saxon Logistics	
11. OE-LFX	ERJ135BJ	Global Jet Austria	13 GLJ11FX/111
12. D-CDAS	EMB505	DAS Private Jets	13
RA-64032	Tu-204-100C	Aviastar-TU	13 TUP3801/2
VP-BMG	Global 5000	Westbury Jet	14
13. OO-PCK	PC-12/47E	EAPC	dep
OO-PCK	PC-12/47E	EAPC	
14. D-CSCE	EMB505	Luxaviation Germany	LXG55CE
15. F-HRAV	ERJ145LU	Aero4M	17 AEH001/2
OO-ABD	A340-313	Air Belgium	f/v 31 ABB921P

RA-82068	An-124-100	Volga-Dnepr	VDA7699/4314
16. 9H-VCB	CL-350	VistaJet Malta	17 VJT453
D-CSCE	EMB505	Luxaviation Germany	
G-RYFF	A109S	Castle Air	
OE-FHK	Ce510	GlobeAir	GAC879J/657L
17. CH05	C-130H	20sq	
18. ER-BBJ	B747-412F	Aerotrans Cargo	23 ATG6678/80
PH-VBG	Falcon 2000EX	JetNetherlands	
RA-82044	An-124-100	Volga-Dnepr	27 VDA2663/4316
20. CH10	C-130H	20sq (special c/s)	
D-SSSS	Ce510	Alfred Kaut	
M-ARTY	PC-12/47E	Creston (UK)	2x
PH-VBG	Falcon 2000EX	JetNetherlands	
UR-CQE	An-26B	Vulkan Air	f/v VKA142/137
21. TF-AMU	B747-48EF	Astral Aviation	ACP2600/4768
22. F-HRAM	ERJ145LU	Aero4M	24 AEH031/032
24. F-WWPL	H160	Airbus Helicopters (spec. mks)	
OO-PCJ	PC-12/47E	EAPC	
25. I-PFLY	Global 6000	Albinati Aviation	26 ULC025
27. 3A-MGA	Falcon 8X	Monaco Government	28
N357BB	Beech 350	Carolina Turbine Sales	
N700CK	B747-4R7F	Kalitta Air	CKS9712/518
OO-CFW	PC-12/47E	Nextgen Partners	
PP-MXM	Falcon 2000LX	MXM Holdings	29
28. CE02	ERJ135LR	21sq (special c/s)	
D-CAAM	Do228-212	Arcus Air	AZE15B/16A
N757HW	B757-225	Honeywell	N757HWA/B
29. F-HRAV	ERJ145LU	Aero4M	AEH451F/091
30. 24	SA365N	35F	
77	EMB121AN	24F	FNY5025
N496BC	B747-4B5(F)	Kalitta Air	01 CKS9210/0210
N706CK	B747-4B5F	Kalitta Air	CKS9167/0208
31. F-HRAV	ERJ145LU	Aero4M	AEH092/093F
G-FIND	CeF406	RVL Aviation	arr REV915
OO-CFW	PC-12/47E	Nextgen Partners	

EgyptAir Cargo:

SU-GAS 02, 23, 26, 30
SU-GAY 05, 09, 13, 14, 16, 20

TUI Belgium:

OO-JAV 02-16, 24-30 daily OO-TMA 01, 02, 29, 30, 31
OO-JAY 17-29 daily OO-TMB 01-04, 07-18, 21-25 daily
OO-JEF 03, 04, 05, 06, 07, 08, 09, 31
OO-MAX 17 OO-TMY 10, 11, 14-23, 28-31 daily
OO-TEA 01-31 daily OO-TUV 01, 02

Eastern Airways operated a charter for AA Gent on the 8th. This charter returned on the 10th. The French Stratotanker on the 10th was on a training flight. For the football game FC Bordeaux - AA Gent Aero4M was used on the 22nd. The Airbus Helicopters H160 on the 24th carried 'North American Tour 2018' titles. On the 28th the Honeywell engine testbed was at the airport.

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



Manufactured in 1972 this Aero Commander was registered N71AH in 2016. Sky West aviation is listed as owner but the aircraft is being operated by Magdeburg, Germany based company GeoFly since at least April 2017. (Ostend, 4 August 2018, Nik Deblauwe)

Military Movements Elsewhere



Although it is adorned with a 'RAF 100 years' sticker, in actual fact it is factory aircraft EC-400 and not a real Atlas C1. (Kleine Brogel, 8 September 2018, Marco van Halum)

Germany

Germany				July 2018			
Geilenkirchen			June 2018				* Pack12
01.00-0178	C-17A	89th AS AFRC	04 RCH450	02.31+33	EF2000	TLG31	Duke93
63-8875	KC-135R	117th ARS KS ANG	11 RCH721	15-20743	UH-60M	A/1-214th AVN	TAY502/5011
78-0577/OK	E-3B	964th AACS	15 Watch30	OO-TFA	B757-28C	ASL Airlines	* BPO22
OY-JJH	Do328-300	Sunjet	BA82866/9166	03.D-HLTR	EC155	Bundespolizei	* BPO22
04.62-3524	KC-135R	168th ARS AK ANG	15 RCH720	04.D-HEGF	AS332M	Bundespolizei	* BPO06
63-8028/AK	KC-135R	168th ARS AK ANG	08 RCH270/696	06.D-HLTF	EC155	ASL Airlines	TAY5012/5011
82-0007/OK	E-3G	960th AACS	15 Scout19	OO-TFA	B757-28C	121st ARW OH ANG	17 RCH626/698
D-ANSK	CRJ200LR	Global Reach Aviation		09.59-1458	KC-135R	151st ARS TN ANG	24 RCH210
D-HEGD	AS332L	Bundespolizei	* BPO17	59-1509	KC-135R	121st ARW OH ANG	27 RCH776/802
05.45+39	Tornado IDS	TLG51	Monster	60-0347	KC-135R	ASL Airlines	TAY502/5015
ZE700	BAe146 CC2	32(TR)sq	RRR1309	16.OO-TFA	B757-28C	121st ARW OH ANG	27 RCH174/862
D-HEGD	AS332L	Bundespolizei	BPO17	17.61-0264	KC-135R	8sq/54sq	23 NATO30/33
06.50+49	C-160D	LTG63	GAF017	18.ZH103/03	Sentry AEW1	A/1-214th AVN	Duke22
07.50+54	C-160D	LTG63	GAF007	10-20276	UH-60M	LTG62	20 GAF418
11.31+31	EF2000	TLG31	* Smash13	19.54+17	A400M	8.BLT	20 PLF236
30+54	EF2000T	TLG31	* Smash12	0216	M-28B/PT	ET00.041	CTM3884
63-8028/AK	KC-135R	168th ARS AK ANG	15 Artic61/RCH270	20.111/XM	TBM-700A	76th AS	Falcon01
D-ANSK	CRJ200LR	Global Reach Aviation	TAY511/017	84-0083	C-21A	76th AS	Spar80
12.D-HEGF	AS332L	Bundespolizei	* BPO13	84-0096	C-21A	151st ARS TN ANG	RCH537
14.00-0178	C-17A	89th AS AFRC	15 RCH789	26.58-0119	KC-135R		
62-3572	KC-135R	153rd ARS MS ANG	29 RCH436	<u>Credits:</u> Rolf Flinzner, Scramble messageboard.			
D-ANSK	CRJ200LR	Global Reach Aviation	TAY5018/667	Nürnberg			
18.59-1448	KC-135R	153rd ARS MS ANG	29 RCH436	02.MM62158/El-103Do228-212		28°Gr AVES	June 2018
OO-TFA	B757-28C	ASL Airlines	TAY502/5013	04.54+02	A400M	LTG62	IEI2801
19.60-0341	KC-135R	174th ARS IA ANG	29 RCH743	06.84-00157	C-12U-3	E/1-214th AVN	GAF208
84-00162	C-12U-3-3	1-214th AVN	Duke46	94-00317	C-12V	2-228th AVN	Duke59
OO-TFA	B757-28C	ASL Airlines	dep TAY501	76+11	H145M	HSG64	* GAF916
22.014	C295M	13.eltr	PLF048	72+32	UH-1D	THR30	* Joker37
030	PZL130TC-2	42.BLSz	PLF450	07.84-00157	C-12U-3	E/1-214th AVN	Duke01
032	PZL130TC-2	42.BLSz	PLF450	10-00259	C-12V	2-228th AVN	Duke60
037	PZL130TC-2	42.BLSz	PLF450	76+05	H145M	HSG64	* Hawk410
59-1506	KC-135R	174th ARS IA ANG	Husker95/11	08.MM62156/El-101Do228-212		28°Gr AVES	IEI2801
26.053	Falcon20	717Skv	NOW717D	07-8609/RS	C-130J-30	37th AS	* Herky71
57-1461	KC-135R	173rd ARS NE ANG	Husker11	84-00156	C-12U-3	E/1-214th AVN	Duke01
D-HEGY	AS332M	Bundespolizei	* BPO10	03-00726	UC-35C	2-228th AVN	Duke02
OY-RJC	CRJ200LR	Global Aviation	TAY511/5017	11.54+02	A400M	LTG62	* GAF422
OO-TFA	B757-28C	ASL Airlines	TAY5010/501	76+08	H145M	HSG64	* GAF922
27.59-1506	KC-135R	174th ARS IA ANG	Husker11	76+15	H145M	HSG64	* GAF924
D-HEGD	AS332M	Bundespolizei	* BPO6	73+45	UH-1D	THR30	* Joker49
28.46+07	Tornado IDS	TLG33	* BU23T	03-3118	C-17A	183rd AS MS ANG	12 RCH545/232
F-HRAM	ERJ145LU	Aero4M	AEH541	07-7189	C-17A	437th AW	12 RCH171/969

Personal copy

Distribution to a third party is not allowed

04-4130	C-17A	305th AMW	Bandage37/RCH144	92-3293	C-17A	437th AW	08 RCH550
04-4137	C-17A	305th AMW	02 RCH521/101	96-0006	C-17A	167th AS WV ANG	09 RCH555
06-6154	C-17A	60th AMW	RCH557	00-0175	C-17A	305th AMW	08 RCH393/396
06-6167	C-17A	436th AW	02 RCH270	02-1107	C-17A	62nd AW	08 RCH187
07-7174	C-17A	436th AW	RCH800	04-4136	C-17A	305th AMW	RCH619
07-7176	C-17A	436th AW	05 RCH101/156	05-5141	C-17A	729th AS AFRC	08 RCH607
07-7184	C-17A	437th AW	RCH428	07-7182	C-17A	437th AW	09 RCH610
07-7189	C-17A	437th AW	dep RCH530	08-8191	C-17A	437th AW	08 RCH605
07-7189	C-17A	437th AW	02 RCH530	08-8195	C-17A	62nd AW	09 RCH154/909
08-8191	C-17A	437th AW	02 RCH605	166376	C-37B	VR-1	08 VV500
08-8194	C-17A	62nd AW	02 RCH401	07-46311	C-130J-30	19th AW	09 Herky30/72
10-0220	C-17A	62nd AW	dep RCH545	08.01-0193	C-17A	437th AW	RCH201
900530	C-26D	AOD Sigonella	CNV6841	04-4136	C-17A	305th AMW	10 RCH177/104
14-5791	C-130J-30	19th AW	dep Lion481	07-7188	C-17A	437th AW	09 RCH282/143
02.ZE708	BAe146 CC3	32(TR)sq	RRR1343	10-0223	C-17A	437th AW	09 RCH465
MM62026	VC-50	306°Gr	IAM3120	93-1563	C-130H	158th AS GA ANG	09 Herky881
14+04	Global 5000	FBS BMVg	GAF676/685	09.03	C-17A	HAW	10 Bartok17
LJ-3	Lj35	TükiLLv	03 FNF269	MM81869	HH-101A	21°Gr	IAM1510
2718	L-410UVP	Slovak AF	03 SQF021	L4-01	L-410UVP	Slovak AF	LSV401
027	C295M	8.BLTř	03 PLF044	86-0021	C-5M	68th AS AFRC	16 RCH335
93-005	Ce650	212Filo	TuAF126	92-3293	C-17A	437th AW	10 RCH550
TR20-03	Ce560	403Esc	03 AME0315	02-1107	C-17A	62nd AW	10 RCH187/417
147/XS	TBM-700A	ET00.060	03 CTM0032	06-6163	C-17A	60th AMW	10 RCH171
85-0002	C-5M	436th AW	04 RCH167	10-0223	C-17A	437th AW	11 RCH465
86-0017	C-5M	436th AW	RCH411	93-1563	C-130H	158th AS GA ANG	17 Herky881
00-0182	C-17A	167th AS WV ANG	03 RCH409/551	07-46311	C-130J-30	19th AW	13 Herky72/Lion496
06-6155	C-17A	60th AMW	03 RCH445/909	91-0358/SP	F-16CM	480th FS	*
07-7174	C-17A	436th AW	RCH800	10.03	C-17A	HAW	11 Bartok17
07-7185	C-17A	437th AW	03 RCH554	01-0187	C-17A	62nd AW	12 RCH500
08-8191	C-17A	437th AW	04 RCH605	06-6160	C-17A	60th AMW	11 RCH142
07-46311	C-130J-30	19th AW	dep Herky75	06-6163	C-17A	60th AMW	11 RCH171
07-46311	C-130J-30	19th AW	03 Herky75/30	07-7182	C-17A	437th AW	RCH610
02-9111/GA	E-8C	116th ACW GA ANG	03 Peach68	11-5745	C-130J-30	19th AW	14 Lion490/150
03.CE02	ERJ135LR	21sq	BAF619	58-0001/D	KC-135R	351st ARS	11 Quid22
03	C-17A	HAW	Bartok02	74-0787	E-4B	1st ACCS	16 Grim15
MM62200	P-180AM	71°Gr GE	IAM1400	4x	F-16	480th FS	* Beast
85-0003	C-5M	436th AW	04 RCH161	1x	UH-60M	A/1-214th AVN	Duke14
97-0041	C-17A	437th AW	04 RCH322	11.85-0003	C-5M	436th AW	16 RCH477/558
00-0184	C-17A	62nd AW	04 RCH524/375	86-0024	C-5M	60th AMW	15 RCH291
01-0189	C-17A	155th AS TN ANG	04 RCH540	90-0535	C-17A	89th AS AFRC	dep RCH220
06-6161	C-17A	60th AMW	04 RCH523/698	01-0193	C-17A	437th AW	12 RCH201
07-7185	C-17A	437th AW	04 RCH554	02-1107	C-17A	62nd AW	12 RCH417
08-8204	C-17A	437th AW	04 RCH301	04-4136	C-17A	305th AMW	12 RCH104
93-1562	C-130H	158th AS GA ANG	04 RCH215	06-6165	C-17A	436th AW	12 RCH831
93-1563	C-130H	158th AS GA ANG	08 RCH775/Herky881	07-7178	C-17A	305th AMW	12 RCH739
94-6705	C-130H	158th AS GA ANG	06 RCH727/Dawg05	08-8195	C-17A	62nd AW	15 RCH909/403
04.93-005	Ce650	212Filo	TuAF129	10-0216	C-17A	62nd AW	RCH163
86-0038	KC-10A	60th AMW	05 RCH977	165810/BH	KC-130J	VMGR-252	14 Bronco69
00-0182	C-17A	167th AS WV ANG	05 RCH551	94-6705	C-130H	158th AS GA ANG	17 Herky699/880
02-1099	C-17A	437th AW	05 RCH438	58-0001/D	KC-135R	351st ARS	12 Quid22
08-8191	C-17A	437th AW	06 RCH605	16-20836	UH-60M	3-4th AVN	Army20836
08-8204	C-17A	437th AW	05 RCH301	12.L9-65	PC-9M	Slovenian AF	LSV964
10-0222	C-17A	437th AW	05 RCH103	L9-68	PC-9M	Slovenian AF	LSV965
166380/BH	KC-130J	VMGR-252	05 Bronco71	5836/61-PO	C-130J-30	ET02.061	CTM2071
06-4631	C-130J-30	19th AW	05 Lion481/490	87-0028	C-5M	60th AMW	13 RCH860
05.97-0041	C-17A	437th AW	06 RCH322	00-0178	C-17A	89th AS AFRC	13 RCH694
04-4134	C-17A	305th AMW	06 RCH377/430	58-0104	KC-135R	108th ARS IL ANG	13 RCH794
05-5141	C-17A	729th AS AFRC	06 RCH607	62-3566	KC-135R	174th ARS IA ANG	15 RCH877
08-8195	C-17A	62nd AW	07 RCH900/154	90-0813/SP	F-16CM	480th FS	
09-9212	C-17A	437th AW	06 RCH929	90-0818/SP	F-16CM	480th FS	Weasel01
10-0218	C-17A	62nd AW	06 RCH378/304	90-0828/SP	F-16CM	480th FS	
10-0222	C-17A	437th AW	06 RCH103	90-0829/SP	F-16CM	480th FS	
164993/	C-130T	VR-64	CNV6721	13.02	C-17A	HAW	Bartok50
92-3022	C-130H	757th AS AFRC	dep RCH160	87-0031	C-5M	337th AS AFRC	14 RCH302
92-3023	C-130H	757th AS AFRC	dep RCH920	94-0065	C-17A	155th AS TN ANG	14 RCH517/315
94-0285/GA	E-8C	116th ACW GA ANG	08 Peach69	00-0178	C-17A	89th AS AFRC	15 RCH694
06.2703	C-27J	Esc902	ROF176	04-4137	C-17A	305th AMW	14 RCH522
86-0021	C-5M	68th AS AFRC	dep RCH600	05-5150/HH	C-17A	535th AS HI ANG	16 RCH382
87-0034	C-5M	60th AMW	07 RCH149	06-6156	C-17A	60th AMW	14 RCH286
96-0006	C-17A	167th AS WV ANG	07 RCH555	06-6161	C-17A	60th AMW	16 RCH380
97-0044	C-17A	89th AS AFRC	07 RCH188	08-8196	C-17A	62nd AW	14 RCH285
04-4134	C-17A	305th AMW	07 RCH430	08-8204	C-17A	437th AW	16 RCH379
94-6705	C-130H	158th AS GA ANG Dawg05/Herky699		09-9210	C-17A	62nd AW	16 RCH381
11-9355	E-11A	430th EECS	Velcro04	10-0223	C-17A	437th AW	14 RCH465
07.83-1285	C-5M	436th AW	RCH561	14.02	C-17A	HAW	15 Bartok50
79-1712	KC-10A	305th AMW	08 RCH240	04-4131	C-17A	305th AMW	15 RCH320



Prestwick always gets its share of cross-Atlantic travel. This McGuire based KC-10A 79-0434 was present on 29 August 2018. (Douglas Connery)

09-9206	C-17A	437th AW	16 RCH512	94-0070	C-17A	167th AS WV ANG	21 RCH409
10-0218	C-17A	62nd AW	15 RCH617	06-6157	C-17A	60th AMW	21 RCH153
15.87-0031	C-5M	337th AS AFRC	21 RCH302	07-7173	C-17A	436th AW	21 RCH519
95-0107	C-17A	437th AW	16 RCH621	08-8202	C-17A	62nd AW	23 RCH1171
01-0188	C-17A	137th AS NY ANG	16 RCH678	168071/BH	KC-130J	VMGR-252	21 Bronco51
16.L4-01	L-410UVP	Slovenian AF	LSV401	94-6705	C-130H	158th AS GA ANG	21 Herky884/882
L9-65	PC-9M	Slovenian AF	LSV964	07-46311	C-130J-30	19th AW	24 Herky600/11
L9-68	PC-9M	Slovenian AF	LSV965	11-5745	C-130J-30	19th AW	21 Lion170/Herky160
MM818685	HH-101A	21°Gr	17 IAM1510	21.02	C-17A	HAW	22 Bartok23
15001	CC-150	437sq	17 CFC3181	86-0030	KC-10A	305th AMW	23 RCH136
03-3126	C-17A	305th AMW	17 RCH267	90-0532	C-17A	62nd AW	22 RCH467
06-6165	C-17A	436th AW	RCH831	00-0182	C-17A	167th AS WV ANG	22 RCH109
07-7176	C-17A	436th AW	17 RCH284	04-4138	C-17A	729th AS AFRC	22 RCH347
09-9207	C-17A	437th AW	17 Bandage35/Moose66	07-7169	C-17A	436th AW	RCH253
11-5745	C-130J-30	19th AW	19 Lion150/Herky753	10-0214	C-17A	437th AW	22 RCH786
17.16702	C295M	Esq502	AFP49	22.87-0044	C-5M	60th AMW	23 RCH613
95-0107	C-17A	437th AW	20 RCH348/480	94-0070	C-17A	167th AS WV ANG	23 RCH409
04-4130	C-17A	305th AMW	18 RCH320	97-0045	C-17A	137th AS NY ANG	24 RCH601
07-7185	C-17A	437th AW	18 RCH388	02-1101	C-17A	437th AW	23 RCH647
07-7189	C-17A	437th AW	RCH697	02-1109	C-17A	62nd AW	23 RCH560
08-8195	C-17A	62nd AW	19 RCH403/146	07-7185	C-17A	437th AW	RCH362
10-0223	C-17A	437th AW	18 RCH465	08-8190	C-17A	437th AW	RCH535
93-1563	C-130H	158th AS GAANG	19 Herky881/RCH145	10-0214	C-17A	437th AW	23 RCH786
94-6705	C-130H	158th AS GA ANG	20 Herky880/884	94-6705	C-130H	158th AS GA ANG	23 Herky882/883
07-46311	C-130J-30	19th AW	20 Lion496/Herky600	11-5745	C-130J-30	19th AW	02 Herky160/754
18.16702	C295M	Esq502	AFP49	23.H46	A109BA	17sq/1w	BAF317
83-0080	KC-10A	60th AMW	19 RCH102	90-0532	C-17A	62nd AW	24 RCH467
07-7174	C-17A	436th AW	19 RCH629	99-0168/AK	C-17A	144th AS AK ANG	24 RCH392
07-7189	C-17A	437th AW	19 RCH437	00-0182	C-17A	167th AS WV ANG	24 RCH109/715
08-8191	C-17A	437th AW	19 RCH294/348	07-7189	C-17A	437th AW	24 RCH447
166376	C-37B	VR-1	19 VV500	10-0215	C-17A	437th AW	24 RCH427
94-6707	C-130H	158th AS GAANG	22 RCH145/Herky750	92-1535	C-130H	187th AS WY ANG	25 RCH238
07-72029	UH-72A	JMRC	Army72029	94-6707	C-130H	158th AS GA ANG	24 Herky750
09-72106	UH-72A	JMRC	Army72106	24.85-0008	C-5M	436th AW	RCH803
19.85-0003	C-5M	436th AW	21 RCH558	02-1101	C-17A	437th AW	25 RCH647
02-1105	C-17A	62nd AW	20 RCH480/294	04-4137	C-17A	305th AMW	25 RCH402
03-3126	C-17A	305th AMW	20 RCH981	10-0214	C-17A	437th AW	26 RCH786
04-4138	C-17A	729th AS AFRC	20 RCH347	95-00123	UC-35A	E/1-214th AVN	Duke47
07-7174	C-17A	436th AW	20 RCH629	94-6707	C-130H	158th AS GAANG	25 Herky750/Jump41
08-8202	C-17A	62nd AW	20 RCH1171	25.85-0001	C-5M	436th AW	26 RCH312
11-5745	C-130J-30	19th AW	20 Herky753/Lion170	97-0045	C-17A	137th AS NY ANG	26 RCH562
20.02	C-17A	HAW	21 Bartok23	00-0182	C-17A	167th AS WV ANG	26 RCH715
86-0017	C-5M	436th AW	21 RCH469	03-3119	C-17A	183rd AS MS ANG	26 RCH957

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03-3126	C-17A	305th AMW	27 RCH749	03.5836/61-PO	C-130J-30	ET02.061	CTM2031
07-7169	C-17A	436th AW	26 RCH253	85-0003	C-5M	436th AW	04 RCH217
08-8195	C-17A	62nd AW	28 RCH146/424	85-0004	C-5M	436th AW	05 RCH618
08-8198	C-17A	437th AW	26 RCH880	86-0016	C-5M	60th AMW	04 RCH890
09-9210	C-17A	62nd AW	26 RCH977	94-0070	C-17A	167th AS WV ANG	04 RCH526
10-0223	C-17A	437th AW	26 RCH463	05-5149/HH	C-17A	535th AS HI ANG	04 RCH979/482
166375	C-37B	VR-1	26 VV375	08-8192	C-17A	62nd AW	04 RCH657
26.Z21122	C-130J-30	21sq	Tun52	08-8195	C-17A	62nd AW	06 RCH548/144
97-0048	C-17A	89th AS AFRC	27 RCH563	11-5745	C-130J-30	19th AW	06 Herky754/Lion357
08-8201	C-17A	62nd AW	27 RCH977	04.015	C295M	13.ELTr	PLF038
10-0223	C-17A	437th AW	27 RCH463	89-1191	C-17A	137th AS NY ANG	05 RCH110
95-00123	UC-35A	E/1-214th AVN	Duke17	94-0070	C-17A	167th AS WV ANG	06 RCH526
94-6705	C-130H	158th AS GAANG	27 Herky883/Jump41	00-0182	C-17A	167th AS WV ANG	06 RCH558
07-46311	C-130J-30	19th AW	27 Herky11/757	04-4136	C-17A	305th AMW	05 RCH203
09-72098	UH-72A	JMRC	Army72098	05-5140	C-17A	729th AS AFRC	05 RCH529
27.08-8199	C-17A	62nd AW	28 RCH557	05-5149/HH	C-17A	535th AS HI ANG	07 RCH482
10-0217	C-17A	62nd AW	28 RCH549	09-9208	C-17A	437th AW	05 RCH968
94-6705	C-130H	158th AS GAANG	29 Jump41/Herky07	10-0217	C-17A	62nd AW	05 RCH528
07-46311	C-130J-30	19th AW	01 Herky757/Lion180	900528	C-26D	AOD Sigonella	CNV6261
165348/JW	C-130T	VR-62	CNV6564	99-1432	C-130J-30	143rd AS RI ANG	06 Herky756/74
168071/BH	KC-130J	VMGR-252	28 Bronco43	59-1469	KC-135R	756th ARS AFRC	05 RCH342
28.01	C-17A	HAW	29 Bartok20	05.86-0016	C-5M	60th AMW	07 RCH310
87-0028	C-5M	60th AMW	29 RCH440	02-1109	C-17A	62nd AW	RCH548
92-3291	C-17A	155th AS TN ANG	29 RCH914	10-0214	C-17A	437th AW	06 RCH1815
97-0048	C-17A	89th AS AFRC	29 RCH563	07-46311	C-130J-30	19th AW	07 Lion180/Herky761
01-0192	C-17A	137th AS NY ANG	29 RCH107	62-3506	KC-135R	117th ARS KS ANG	07 RCH410
02-1099	C-17A	437th AW	29 RCH151	900528	C-26D	AOD Sigonella	06 CNV6261
04-4137	C-17A	305th AMW	30 RCH137	06.02/red	C295M	218 ATS	07 73087
06-6166	C-17A	436th AW	29 RCH546	07/red	C295M	218 ATS	07 73092
10-0214	C-17A	437th AW	30 RCH1815	08/red	C295M	218 ATS	07 73093
29.83-1285	C-5M	436th AW	30 RCH462	89-1191	C-17A	137th AS NY ANG	07 RCH110
87-0028	C-5M	60th AMW	31 RCH440	00-0182	C-17A	167th AS WV ANG	08 RCH558/556
79-1947	KC-10A	305th AMW	RCH345	08-8193	C-17A	62nd AW	07 RCH302
02-1099	C-17A	437th AW	30 RCH151	09-9208	C-17A	437th AW	07 RCH968
03-3126	C-17A	305th AMW	30 RCH749	99-1432	C-130J-30	143rd AS RI ANG	07 Herky74/04
05-5139	C-17A	729th AS AFRC	30 RCH857	07.05-5142	C-17A	729th AS AFRC	08 RCH540
08-8199	C-17A	62nd AW	30 RCH557	05-5149/HH	C-17A	535th AS HI ANG	08 RCH482
30.92-3291	C-17A	155th AS TN ANG	31 RCH914	07-7169	C-17A	436th AW	08 RCH927
01-0192	C-17A	137th AS NY ANG	31 RCH107/734	07-7177	C-17A	436th AW	08 RCH780
04-4137	C-17A	305th AMW	31 RCH137	07-7188	C-17A	437th AW	08 RCH610
05-5139	C-17A	729th AS AFRC	RCH857/245	99-1432	C-130J-30	143rd AS RI ANG	08 Herky04/71
08-8195	C-17A	62nd AW	31 RCH727	02-1463	C-130J-30	115th AS CA ANG	09 Herky603/879
94-6705	C-130H	158th AS GA ANG	31 Herky07	07-46311	C-130J-30	19th AW	11 Herky761/Lion406
31.02-1109	C-17A	62nd AW	01 RCH548	11-5745	C-130J-30	19th AW	26 Lion357/360
03-3117	C-17A	183rd AS MS ANG	01 RCH544	61-0267	KC-135R	22nd ARW	08 RCH330
06-6166	C-17A	436th AW	01 RCH546	08.86-0026	C-5M	60th AMW	09 RCH199
08-8195	C-17A	62nd AW	02 RCH727/548	04-4128	C-17A	305th AMW	09 RCH323
94-6705	C-130H	158th AS GAANG	02 Herky07/RCH240	07-7188	C-17A	437th AW	10 RCH610
07-72029	UH-72A	JMRC	Army72029	08-8195	C-17A	62nd AW	11 RCH144/320
			August 2018	08-8202	C-17A	62nd AW	09 RCH490
01.85-0004	C-5M	436th AW	02 RCH618	10-0223	C-17A	437th AW	09 RCH147
95-0103	C-17A	62nd AW	03 RCH105	99-1432	C-130J-30	143rd AS RI ANG	09 Herky71/603
01-0192	C-17A	137th AS NY ANG	02 RCH734	09.00-0182	C-17A	167th AS WV ANG	10 RCH556
02-1109	C-17A	62nd AW	dep RCH548	04-4128	C-17A	305th AMW	10 RCH323
02-1109	C-17A	62nd AW	04 RCH548	07-7172	C-17A	60th AMW	10 RCH642
03-3115	C-17A	183rd AS MS ANG	02 RCH891	07-7177	C-17A	436th AW	10 RCH780
03-3117	C-17A	183rd AS MS ANG	dep RCH544	10-0217	C-17A	62nd AW	10 RCH320
05-5149/HH	C-17A	535th AS HI ANG	02 RCH979	99-1432	C-130J-30	143rd AS RI ANG	11 Herky603/602
06-6166	C-17A	436th AW	dep RCH546	02-1463	C-130J-30	115th AS CA ANG	13 Herky879/04
08-8192	C-17A	62nd AW	02 RCH657	10.86-0017	C-5M	436th AW	12 RCH336
99-1432	C-130J-30	143rd AS RI ANG	03 RCH703/Herky756	97-0048	C-17A	89th AS AFRC	11 RCH333
02-1463	C-130J-30	115th AS CAANG	07 RCH541/Herky603	06-6160	C-17A	60th AMW	12 RCH325
07-46311	C-130J-30	19th AW	dep Lion180	07-7188	C-17A	437th AW	12 RCH610
02.84-0062	C-5M	60th AMW	03 RCH599	08-8200	C-17A	62nd AW	11 RCH535
05-5139	C-17A	729th AS AFRC	03 RCH245/857	08-8203	C-17A	62nd AW	18 RCH553
05-5140	C-17A	729th AS AFRC	03 RCH529	10-0217	C-17A	62nd AW	12 RCH320/983
08-8195	C-17A	62nd AW	dep RCH548	10-0223	C-17A	437th AW	11 RCH188
165151	C-20G	COMNAVEUR	04 Catbird1	168071/BH	KC-130J	VMGR-252	Bronco47
94-6705	C-130H	158th AS GA ANG	dep RCH240	11.86-0026	C-5M	60th AMW	12 RCH710
94-6707	C-130H	158th AS GA ANG	dep RCH527	94-0065	C-17A	155th AS TN ANG	12 RCH265
11-5745	C-130J-30	19th AW	dep Herky754	97-0048	C-17A	89th AS AFRC	13 RCH333
91-0343/SP	F-16CM	480th FS	*	01-0192	C-17A	137th AS NY ANG	14 RCH235/865
08-0051	CV-22B	7th SOS	Fuji81	07-7172	C-17A	60th AMW	12 RCH642
1x	MH-47D	160th SOAR	a/f out	62-3547	KC-135R	117th ARS KS ANG	12 RCH185
02-05316?	AH-64D	1-3rd AVN	06	12.85-0004	C-5M	436th AW	14 RCH562
1x	AH-64D	1-3rd AVN		07-7188	C-17A	437th AW	14 RCH610

99-1432	C-130J-30	143rd AS RI ANG	13 Herky602/763	85-24397	UH-60A+	C/1-214th AVN	
07-46311	C-130J-30	19th AW	13 Lion406/Herky71	10-20314	UH-60M	A/1-214th AVN	* Duke32
13.87-0036	C-5M	436th AW	14 RCH787	21.604	A319-112	MH 59. Sz.D. REB.	HuAF754
06-6160	C-17A	60th AMW	14 RCH325	85-0004	C-5M	436th AW	22 RCH556
99-1432	C-130J-30	143rd AS RI ANG	14 Herky763/AE10E2	87-0036	C-5M	436th AW	23 RCH191/497
02-1463	C-130J-30	115th AS CA ANG	14 Herky04/770	85-0034	KC-10A	305th AMW	22 RCH415
07-46311	C-130J-30	19th AW	Herky71/91	07-7180	C-17A	437th AW	22 Bandage35/RCH212
07-46311	C-130J-30	19th AW	16 Herky91/05	92-1533	C-130H	187th AS WY ANG	23 Herky04/07
62-3542	KC-135R	77th ARS AFRC	14 RCH695	11-5765/FT	HC-130J	79th RQS	24 Adman12
90-0813/SP	F-16CM	480th FS	Steel03/Bama01	91-0418/SP	F-16CM	480th FS	*
90-0828/SP	F-16CM	480th FS	Steel04/Bama02	2x	AH-64D	US Army	Army20873
14.605	A319-112	MH 59. Sz.D. REB.	15 HuAF739	85-24397	UH-60A+	C/1-214th AVN	Duke19
99-0167/AK	C-17A	144th AS AK ANG	15 RCH447	16-20873	HH-60M	C/2-4th AVN	Army20873
06-6168	C-17A	436th AW	RCH557	09-72105	UH-72A	JMRC	Army72105
07-7188	C-17A	437th AW	15 RCH610/845	22.01-0193	C-17A	437th AW	23 RCH800
74-1685	C-130H	118th AS CT ANG	20 RCH220/Herky885	02-1107	C-17A	62nd AW	23 RCH877
99-1432	C-130J-30	143rd AS RI ANG	16 AE10E2/RCH559	03-3124	C-17A	437th AW	23 RCH309
02-1463	C-130J-30	115th AS CAANG	16 Herky770/RCH542	06-6165	C-17A	436th AW	23 RCH678
04-01778	C-37B	USAPAT	PAT78	10-0217	C-17A	62nd AW	25 RCH240/425
1x	UH-60M	A/1-214th AVN	* Duke32	15-08189	CH-47F	B/2-4th AVN	Army08189
2x	AH-64D	US Army	Blood16	1x	AH-64D	US Army	
168071/BH	KC-130J	VMGR-252	15 Bronco47	23.02rd	C295M	218 ATS	24 73087
15.604	A319-112	MH 59. Sz.D. REB.	HunAF741	07rd	C295M	218 ATS	24 73092
98-0057	C-17A	137th AS NY ANG	17 RCH530	08rd	C295M	218 ATS	24 73093
01-0192	C-17A	137th AS NY ANG	16 RCH865	85-0008	C-5M	436th AW	26 RCH699
10-0217	C-17A	62nd AW	20 RCH983/240	87-0039	C-5M	337th AS AFRC	RCH551
900528	C-26D	AOD Sigonella	16 CNV6121	00-0176	C-17A	155th AS TN ANG	24 RCH144
02-5001	C-32B	486th FLTS	16 RCH585	00-0178	C-17A	89th AS AFRC	24 RCH257
92-1533	C-130H	187th AS WYANG	18 RCH566/Herky765	10-0219	C-17A	62nd AW	24 RCH446
62-3554	KC-135R	22nd ARW	16 RCH341	74-1685	C-130H	118th AS CT ANG	27 Falcon30/Herky886
16.01	C-17A	HAW	17 Bartok50	10-20245	UH-60M	A/1-214th AVN	* Duke14
79-1950	KC-10A	60th AMW	17 RCH343	2x	AH-64D	US Army	24
95-0104	C-17A	155th AS TN ANG	17 RCH561	24.87-0036	C-5M	436th AW	25 RCH497
03-3115	C-17A	183rd AS MS ANG	17 RCH172/488	07-7186	C-17A	437th AW	25 RCH444
03-3124	C-17A	437th AW	17 RCH309	166380/BH	KC-130J	VMGR-252	25 Bronco16
04-4138	C-17A	729th AS AFRC	17 RCH215	25.87-0039	C-5M	337th AS AFRC	26 RCH551
07-1783	C-17A	437th AW	17 RCH560	83-0077	KC-10A	60th AMW	26 RCH197
07-46311	C-130J-30	19th AW	20 Herky04/71	84-0187	KC-10A	60th AMW	26 RCH171
62-3547	KC-135R	117th ARS KSANG	17 RCH546/Wylie69	169319	UC-12W	H&HS MCAS Miramar	Atila04
93-26497	UH-60L	A/2-4th AVN	Army26497	94-0065	C-17A	155th AS TN ANG	26 RCH455
94-26569	UH-60L	A/2-4th AVN	Army26569	00-0178	C-17A	89th AS AFRC	26 RCH257
10-20276	UH-60M	A/1-214th AVN	Duke14	01-0196	C-17A	167th AS WV ANG	26 RCH535
17.01	C-17A	HAW	18 Bartok50	03-3124	C-17A	437th AW	26 RCH309
03-3115	C-17A	183rd AS MS ANG	18 RCH488	04-4136	C-17A	305th AMW	26 RCH553
03-3124	C-17A	437th AW	19 RCH309	10-0214	C-17A	437th AW	29 RCH187
06-6168	C-17A	436th AW	RCH557	06-8612	C-130J-30	19th AW	29 Lion417/180
08-8202	C-17A	62nd AW	18 RCH727	26.85-0006	C-5M	68th AS AFRC	30 RCH595
900528	C-26D	AOD Sigonella	18 CNV6121	27.02	C-17A	HAW	28 Bartok55/51
62-3547	KC-135R	117th ARS KS ANG	19 Wylie69/RCH546	94-0065	C-17A	155th AS TN ANG	28 RCH455
18.94-0070	C-17A	167th AS WV ANG	20 RCH140	01-0188	C-17A	137th AS NY ANG	30 RCH498
95-0104	C-17A	155th AS TN ANG	19 RCH561	01-0196	C-17A	167th AS WV ANG	28 RCH535/977
95-0105	C-17A	137th AS NY ANG	19 RCH525	09-9208	C-17A	437th AW	28 RCH323
97-0044	C-17A	89th AS AFRC	19 RCH260	10-0217	C-17A	62nd AW	28 RCH425/136
02-1107	C-17A	62nd AW	21 RCH548/877	92-1533	C-130H	187th AS WY ANG	28 Herky07/04
04-4138	C-17A	729th AS AFRC	19 RCH215	90-0813/SP	F-16CM	480th FS	
06-6157	C-17A	60th AMW	19 RCH471	90-0833/SP	F-16CM	480th FS	
07-7169	C-17A	436th AW	19 RCH625	91-0343/SP	F-16CM	480th FS	
96-1008	C-130H	109th AS MN ANG	20 RCH558	91-0344/SP	F-16CM	480th FS	
57-1479	KC-135R	756th ARS AFRC	19 RCH347	91-0352/SP	F-16CM	480th FS	
19.87-0031	C-5M	337th AS AFRC	22 RCH230	91-0358/SP	F-16CM	480th FS	
95-0104	C-17A	155th AS TN ANG	20 RCH561	93-26509	UH-60L	A/2-4th AVN	Army26509
03-3115	C-17A	183rd AS MS ANG	20 RCH488/465	94-26569	UH-60L	A/2-4th AVN	Army26569
03-3124	C-17A	437th AW	21 RCH309	16-20873	HH-60M	C/2-4th AVN	Army20873
03-3127	C-17A	62nd AW	20 RCH541	17-20945	HH-60M	C/2-4th AVN	Army20945
08-8203	C-17A	62nd AW	20 RCH665	28.MM62029	VC-50	306°Gr	IAM3161
2x	AH-64D	US Army		87-0032	C-5M	60th AMW	29 RCH102
20.03	C-17A	HAW	21 Bartok36	03-3116	C-17A	183rd AS MS ANG	RCH177
94-0070	C-17A	167th AS WV ANG	22 RCH140	03-3127	C-17A	62nd AW	RCH107
95-0105	C-17A	137th AS NY ANG	21 RCH525	74-1685	C-130H	118th AS CT ANG	30 Herky886/RCH112
07-7169	C-17A	436th AW	21 RCH625	92-1533	C-130H	187th AS WY ANG	Herky04
07-7170	C-17A	436th AW	21 RCH345	92-1533	C-130H	187th AS WY ANG	30 Herky04/RCH336
10-0217	C-17A	62nd AW	22 RCH240	62-3542	KC-135R	77th ARS AFRC	29 RCH267
04-01778	C-37B	USAPAT	PAT78	29.02	C-17A	HAW	30 Bartok51
74-1685	C-130H	118th AS CT ANG	22 Herky885/Falcon30	83-0078	KC-10A	60th AMW	30 RCH142
92-1533	C-130H	187th AS WY ANG	21 Herky765/04	01-0196	C-17A	167th AS WV ANG	30 RCH977
07-46311	C-130J-30	19th AW	23 Herky71/Lion417	03-3116	C-17A	183rd AS MS ANG	RCH177

03-3126	C-17A	305th AMW	30 RCH343	23.LX-N90458	E-3A	NAEW&CF	* Nato40
03-3127	C-17A	62nd AW	RCH107	95-0105	C-17A	137th AS NY ANG	dep RCH552
06-6159	C-17A	60th AMW	30 RCH168	63-8017	KC-135R	914th ARW NY ANG	26 RCH185
07-7186	C-17A	437th AW	01 RCH444	25.02-1109	C-17A	62nd AW	RCH550
02-5001	C-32B	486th FLTS	30 RCH588	58-0071	KC-135T	6th AMW	26 RCH632
89-1182	C-130H	181st AS TX ANG	31 RCH154	27.97-0041	C-17A	437th AW	28 RCH867
94-6705	C-130H	158th AS GAANG	31 RCH344/Herky887	28.01-0076	C-37A	76th AS	Valor37
94-6708	C-130H	158th AS GAANG	31 RCH104/Herky888	57-1512	KC-135R	459th ARW AFRC	29 RCH525
15-08186	CH-47F	B/2-4th AVN	Army08186	58-0023	KC-135R	133rd ARS NH ANG	29 RCH530
16-20879	UH-60M	3-4th AVN	Army20879	30.08-8195	C-17A	62nd AW	RCH424/727
30.03-3126	C-17A	305th AMW	31 RCH343	31.63-8008	KC-135R	92nd/141st ARW	01 RCH102/420
05-5140	C-17A	729th AS AFRC	31 RCH325	Wiesbaden			July 2018
06-6154	C-17A	60th AMW	31 RCH160	07.94-00320	C-12V	C/6-52nd AVN	10
09-9208	C-17A	437th AW	31 RCH323	95-00093	C-12V	C/6-52nd AVN	10
10-0217	C-17A	62nd AW	02 RCH136/189	96-00110	UC-35A	C/6-52nd AVN	10
166376	C-37B	VMR-1	01 VV500	30.73-1217	C-12C	USE Budapest	31
14-5791	C-130J-30	19th AW	02 Lion360/418				August 2018
59-1461	KC-135R	126th ARS WI ANG	31 RCH821	16.93-26497	UH-60L	A/2-4th AVN	
31.85-0008	C-5M	436th AW	01 RCH557	94-26569	UH-60L	A/2-4th AVN	
96-0006	C-17A	167th AS WV ANG	01 RCH638	17-20943	HH-60M	C/2-4th AVN	
05-5146/HH	C-17A	535th AS HI ANG	RCH224	22.03-05384	AH-64D	1-3rd AVN	
06-6159	C-17A	60th AMW	01 RCH149	05-07010	AH-64D	1-3rd AVN	
10-0218	C-17A	62nd AW	RCH159	08-05543	AH-64D	1-3rd AVN	
				09-05589	AH-64D	1-3rd AVN	
				95-00101	C-12V	MFO Sinai	29

Credits: MAR, Scramble messageboard.

Spangdahlem

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01.15-5822/RS	C-130J-30	37th AS	Herky698
02.84-00156	C-12U-3	E/1-214th AVN	* Duke33
08-8194	C-17A	62nd AW	03 RCH401/543
58-0098	KC-135R	132nd ARS ME ANG	03 RCH645
03.84-00157	C-12U-3	E/1-214th AVN	Duke33
64-14837	KC-135R	6th AMW	dep RCH138
91-0406	F-16CM	179th FS MN ANG	dep Tabor25
94-0046/SW	F-16CM	77th FS	dep Tabor24
06.95-0104	C-17A	155th AS TN ANG	07 RCH152
97-0044	C-17A	89th AS AFRC	RCH188
00-0178	C-17A	89th AS AFRC	dep RCH198
07-4635/RS	C-130J-30	37th AS	07 Herky748
07.04-4136	C-17A	305th AMW	08 RCH619/177
06-6159	C-17A	60th AMW	08 RCH394/397
07-4635/RS	C-130J-30	37th AS	14 Herky748/160
57-1469	KC-135R	197th ARS AZ ANG	08 RCH811
59-1519	KC-135R	174th ARS IA ANG	08 RCH896
64-14829	KC-135R	197th ARS AZ ANG	08 RCH544
08.05-5150/HH	C-17A	535th AS HI ANG	13 RCH382
06-6161	C-17A	60th AMW	13 RCH380
08-8204	C-17A	437th AW	13 RCH379
09-9210	C-17A	62nd AW	13 RCH381
09.95-0104	C-17A	155th AS TN ANG	10 RCH314
10.LX-N90448	E-3A	NAEW&CF	* Nato40
07-7189	C-17A	437th AW	13 RCH383/384
11.58-0084	KC-135T	171st ARW PA ANG	12 RCH525
59-1461	KC-135R	126th ARS WI ANG	12 RCH939
12.62-3515	KC-135R	133rd ARS NH ANG	13 RCH802
13.82-0191	KC-10A	60th AMW	14 RCH695
99-0167/AK	C-17A	144th AS AK ANG	14 RCH899
14.97-0041	C-17A	437th AW	16 RCH270
00-0176	C-17A	155th AS TN ANG	15 RCH600
09-9208	C-17A	437th AW	15 RCH245
57-1512	KC-135R	459th ARW AFRC	17 RCH653
15.05-5139	C-17A	729th AS AFRC	16 RCH169
16.00-0176	C-17A	155th AS TN ANG	17 RCH600
03-3117	C-17A	183rd AS MS ANG	17 RCH162
07-7183	C-17A	437th AW	17 RCH292
57-1479	KC-135R	459ARW AFRC	17 RCH159
17.87-0044	C-5M	60th AMW	20 RCH157
05-5139	C-17A	729th AS AFRC	18 RCH983
18.97-0044	C-17A	89th AS AFRC	19 RCH683
07-7173	C-17A	436th AW	19 RCH519
19.00-0175	C-17A	305th AMW	20 RCH356
08-8204	C-17A	437th AW	20 RCH106
20.90-0533/AK	C-17A	144th AS AK ANG	21 RCH390/367
10-0223	C-17A	437th AW	21 RCH332
21.03-3115	C-17A	183rd AS MS ANG	22 RCH561
06-6160	C-17A	60th AMW	22 RCH736
22.85-0001	C-5M	436th AW	23 RCH312
60-0345	KC-135T	171st ARS MI ANG	26 RCH556

Credits: MAR, Scramble messageboard.

Ireland

July 2018

Shannon		
02.90-1797	C-130H	180th AS MO ANG
03.90-1792	C-130H	180th AS MO ANG
90-1796	C-130H	180th AS MO ANG
91-1652	C-130H	180th AS MO ANG
04.11-0550	C-37B	99th AS
09 02-0203	C-40C	201st AS DC ANG
11.14+03	Global 5000	FBS BMVg
12.240/F-RARF	A330-223	ET00.060
14.165348	C-130T	USN
92-1535	C-130J	187th AS WY ANG
16.12-3085	C-146A	524th SOS
21.11-3031	C-146A	524th SOS
22.01-0040	C-40B	1st AS
23.01-0040	C-40B	1st AS
28.01-0040	C-40B	1st AS
97-3093	C-146A	524th SOS
29.01-0040	C-40B	1st AS
04.02-0203	C-40C	201st AS DC ANG
167984	KC-130J	USMC
09.165349	C-130T	USN
165835	C-40A	USN
12.97-0400	C-37A	99th AS
13.14+02	Global 5000	FBS BMVg
00-9001	C-32B	150th SOS NJ ANG
14.164597	KC-130T	USN
15.14+03	Global 5000	FBS BMVg
17.00-9001	C-32B	150th SOS NJ ANG
01-0029	C-37A	310th AS
18.92-3282	C-130H	934th AW AFRC
19.01-0040	C-40B	1stAS
20.165151	C-20G	USN
21.166500	UC-35D	USMC
25.163591	KC-130T	USN
26.166693	C-40A	USN
29.01-0040	C-40B	1st AS
30.01-0040	C-40B	1st AS
31.01-0029	C-37A	310th AS
05-0730	C-40C	73rd AS AFRC

August 2018

31

Credits: MAR, Scramble messageboard.

Spain

July 2018

San Javier			
05.50+88	C-160D	LTG61	08 GAF054
09.CN-AON	C-130H	Esc de Transporte 3	09 RMAF201

17.HD.21-11/803-11 AS332B1	803Esc	Barbo12	07-0033	CV-22B	7th SOS	
T.21-01/35-39 C295M	Ala 35	17 Azor15	16.344	C-130H	3sq	17 RJZ344
AE.9-10/23-04 SF-5M	Ala 23	18 Mago41,43	17.ZJ120/O	Merlin HC4	845NAS?	* Junglie414
AE.9-28/23-17 SF-5M	Ala 23	18 Mago41,43	ZJ130/D	Merlin HC3	845NAS	* CDO550
18.50+53	C-160D	19 GAF012	18.1x	AS365N3	658sq	* Titan13
19.CH01	C-130H	20 BAF648	19.ZH904	Chinook HC5	Odiham Wg	
20.CE02	ERJ135LR	20 BAF620	20.07-46311	C-130J-30	41st AS	Herky600
23.AT24	Alpha Jet 1B+	24 BAF102	23.1292/SU-BEY	C-130H	4sq/16sq	24 EGY1509
AT26	Alpha Jet 1B+	24 BAF102	XX162	Hawk T1	ETPS	* N20
24.C.16-36/14-03 EF2000	Ala 14	Dardo35	ZH866/866	Hercules C4	206sq	Gauntlet66
26.CD01	Falcon 900	21sq	ZH891	Chinook HC5	Odiham Wg	* SHF474
30.50+17	C-160D	LTG61	XW199	Puma HC2	Benson Wg	* SHF398
.../GF-406	AW139	Guadia di Finanza	ZZ418	Shadow R1	14sq	Snake48
			24.ZJ787	AS365N3	658sq	Titan14
		August 2018	25.ZJ195	Apache AH1	AAC	* Panther83
01.50+36	C-160D	LTG61	ZH901	Chinook HC5	Odiham Wg	SHF592
03.78	Falcon 50	FNY	XW216	Puma HC2	Benson Wg	
08.U.20-03/01-407 Ce550	Eslla004	08 Orca02	ZJ954	Puma HC2	Benson Wg	
HS.23-06	SH-60B	'01-1006' 08 Ansar	26.GZ100	AW-109SP	32(TR)sq	
HS.23-07	SH-60B	'01-1007' 08 Ansar	ZE707	BAe146 C3	32(TR)sq	
09.FA86	F-16AM	09 BAF241	XW212	Puma HC2	Benson Wg	
FA118	F-16AM	09 BAF241	ZJ956/Y	Puma HC2	Benson Wg	
FA121	F-16AM	09 BAF241	ZZ517	Wildcat HMA2	nn	dep by road
TK.23-03/31-23 A400M	Ala 31	Dumbo40	27.ZJ189	Apache AH1	nn	a/f out
T.21-08/35-46 C295M	Ala 35	Azor..	30.Z21122	C-130J-30	21sq	TUN37
14.50+66	C-160D	LTG61	XW212	Puma HC2	Benson Wg	SHF232
15.50+83	C-160D	LTG61	ZF510	Tucano T1	QinetiQ	* Tester08
G-988	C-130H	336sq	16 NAF30	BAe146-RJ70	QinetiQ	* Gauntlet11
19.CH09	C-130H	20sq	20 BAF640	Hawk T1	QinetiQ	* Tester08
20.CS-TRJ	A321-231	21sq	20 BAF638	XX162	4sq	* VYT99
T.22-1/45-50 A310-304	Grupo 45	20 Lince01	ZK022/M	Hawk T2		
22.T.21-13/35-51 C295M	Ala 35	22 AME3504				August 2018
23.VA.1B-27/01-917 AV-8B+	Cobra03		01.ZJ209	Apache AH1	673sq	* Panther90
VA.1B-38/01-926 AV-8B+	Cobra05		ZJ78.	AS365N3	658sq	* Titan18
27.T.21-11/35-49 C295M	Ala 35	27 AME3510	XW219	Puma HC2	Benson Wg	SHF229
T.21-13/35-51 C295M	Ala 35	27 AME3504	ZJ954	Puma HC2	Benson Wg	* SHF345
29.50+38	C-160D	LTG61	ZJ955	Puma HC2	Benson Wg	SHF398
			02.XW216	Puma HC2	Benson Wg	* SHF305/6
			06.08-0051	CV-22B	7th SOS	* Knife72
			07.ZK562	Chinook HC6	7sq	* SHF440
			XX162	Hawk T1	QinetiQ	*
			08.GZ100	AW-109SP	32(TR)sq	
			ZA708	Chinook HC4	28sq	* SHF385
			10.ZZ407	Wildcat AH1	AAC	
			13.KAF328	KC-130J	41sq	15 KAF3205
			ZE708	BAe146 C3	32(TR)sq	RRR1679
			ZH894	Chinook HC6A	27sq	SHF440
			ZA936	Puma HC2	Benson Wg	* SHF302
			14.177702	CC-177	429sq	16 CFC4003
			111/64-II	CN235M-200	ET01.064	CTM1300
			ZJ969/K	Bell 212 AH1	JHC	AA001
			ZJ957	Puma HC2	Benson Wg	a/f out SHF249
			XW216	Puma HC2	Benson Wg	* SHF380/306
			15.ZH904	Chinook HC5	27sq	SHF452
			16.UR-82009	An-124-100	ADB	17 ADB254F/2554
			17.165737/BH	KC-130J	VMGR-252	18 Otis81
			20.UR-82009	An-124-100	ADB	ADB255F/2555
			22.ZJ183	Apache AH1	4Regt	Machete1/2
			ZJ220	Apache AH1	4Regt	Machete1/2
			23.ZH901	Chinook HC5	Odiham Wg	* SHF565
			24.UR-82072	An-124-100	ADB	25 ADB216F/2156
			25.ZH001	Defender AL2	651sq	29 AA552
			XX244	Hawk T1	RAFAT	26
			XX245	Hawk T1	RAFAT	26
			XX278	Hawk T1	RAFAT	26
			XX310	Hawk T1	RAFAT	26
			XX311	Hawk T1	RAFAT	26
			XX319	Hawk T1	RAFAT	26
			XX322	Hawk T1	RAFAT	26
			XX323	Hawk T1	RAFAT	26
			XX325	Hawk T1	RAFAT	26
			ZM504/04	Juno T1	DHFS	26 SYS63/RED10
			26.UR-82072	An-124-100	ADB	27 ADB218F/2518
			27.1181/SU-BSX	C295M	Egypt AF	EGY2423
			5847/61-PP	C-130J-30	ET02.061	CTM1215
			ZH001	Defender AL2	651sq	29 AA552
			28.ZZ417	Shadow R1	14sq	30 Snake47

Credits: José Damián González Martínez

United Kingdom

Brize Norton			July 2018			
01.UR-82009	An-124-100	ADB	04 ADB275F/2475			
02.0073/F-RBAN	A400M	ET01.061	CTM2010			
ZE707	BAe146 C3	32(TR)sq				
07-0033	CV-22B	7th SOS	03 Knife79			
03.5847/61-PP	C-130J-30	ET02.061	CTM9172			
84007/847	Tp84	TFSE	SVF810			
ZH903	Chinook HC5	nn	a/f out			
ZH866/866	Hercules C4	206sq	Comet56			
XW199	Puma HC2	Benson Wg	*			
XW217	Puma HC2	Benson Wg	* SHF398			
04.ZE700	BAe146 CC2	32(TR)sq	NOH28			
ZA670	Chinook HC4	28sq	* SHF255			
ZJ956	Puma HC2	Benson Wg	* SHF302			
UR-82009	An-124-100	ADB	05 ADB275F/2476			
05.104/XJ	TBM-700A	EdC00.070	CTM3895			
ZA704	Chinook HC4	28sq	SHF255			
06.ZA126	Sea King ASaC7	849NAS	Guardian91			
07.XX219	Hawk T1	RAFAT	08			
XX242	Hawk T1	RAFAT	08			
XX245	Hawk T1	RAFAT	08			
XX278	Hawk T1	RAFAT	08			
XX310	Hawk T1	RAFAT	08			
XX311	Hawk T1	RAFAT	08			
XX319	Hawk T1	RAFAT	08			
XX322	Hawk T1	RAFAT	08			
XX325	Hawk T1	RAFAT	08			
08.ZM505/05	Juno HT1	DHFS				
ZM521/21	Juno HT1	DHFS				
ZM525/25	Juno HT1	DHFS				
10.344	C-130H	3sq	11 RJZ344			
ZE700	BAe146 CC2	32(TR)sq	Blackcat2			
13.84004/844	Tp84	TSFE				
A9C-BAH	G650	Gvmt of Bahrain	BAH2			
11-0058	CV-22B	7th SOS				
14.05-0730	C-40C	73rd SOS AFRC				

Personal copy

54+11	A400M	LTG62	GAF246				August 2018
J-5010	F/A-18C	Swiss AF	SUI417	02.GZ100	AW109SP	32(TR)sq	RRR1217
J-5014	F/A-18C	Swiss AF	SUI417	06.G-FRAR	Falcon 20ECM	Cobham	Rushton84/81
5847	C-130J-30	ET02.061	CTM1215	G-FFMV	DA42NG	Nighthawk	
UR-82073	An-124-100	ADB	30 ADB5722/522F	07.ZK013/D	Hawk T2	4sq	
UR-82060	An-225	ADB	29 ADB267F/2567	G-FFMV	DA42NG	Cobham	Nighthawk
30.ZE707	BAe146 C3	32(TR)sq	RRR1517	09.ZE707	BAe146 C3	32(TR)sq	RRR1589
31.XX327	Hawk T1	ETPS	* ETP04	10.ZE707	BAe146 C3	32(TR)sq	RRR1569
UR-82073	An-124-100	ADB		13.ZA554/046	Tornado GR4	Marham Wg	* MRH31

Credits: MAR, Scramble messageboard.

Cambridge			August 2018	14.G-FFMV	DA42NG	Cobham	15 Nighthawk
01.ZH867/867	Hercules C4	arr	MCE03	1x	Tornado GR4	Marham Wg	MRH18
02.ZH883/883	Hercules C5		t/f MCE01	15.GZ100	AW109SP	32(TR)sq	RRR1381
03.102005/025	Tp102D	TSFE	SVF649	ZM504/04	Juno HT1	DHFS	* Red10
84007/847	Tp84	TSFE	SVF816	ZF142/142	Tucano T1	1 FTS	Vanquish2
06.ZH883/883	Hercules C5		MCE03	ZF338/338	Tucano T1	1 FTS	Vanquish1
07.1326	Global Express	UAE AF	t/f MCE02	ZA554/046	Tornado GR4	Marham Wg	* Primus2
08.8T-CB	C-130K	LTSta	arr ASF02	17.ZF290/290	Tucano T1	1 FTS	LOP43
09.8T-CC	C-130K	LTSta	dep ASF02	23.N-326	NH90-NFH	860sq	24 Neptune11
10.G-275	C-130H-30	336sq		24.ZJ919/919	Typhoon FGR4	Coningsby Wg	delivery Typhoon39
G-273	C-130H-30	336sq		ZJ802	Typhoon T3	Lossie Wg	delivery Typhoon39
13.1325	Global Express	UAE AF	t/f MCE02	29.ZK433	Typhoon FGR4	Coningsby	delivery WTN29
ZA607/EB-K	Tornado GR4	Marham Wg	* Marham51	30.ZJ210	Apache AH1	3/4Regt	Outlaw1
ZH888	Hercules C5		dep MCE04	31.30+46	EF2000	TLG73	GAAF001/2A-D
14.1326	Global Express		t/f MCE02	30+49	EF2000	TLG73	GAAF001/2A-D
15.1325	Global Express	test	t/f MCE01	30+60	EF2000	TLG73	GAAF001/2A-D
GZ100	AW109SP	32(TR)sq	RRR1381	30+62	EF2000	TLG73	GAAF001/2A-D
21.1325	Global Express	UAE AF	dep MCE03/02	30+64	EF2000	TLG73	GAAF001/2A-D
ZH874/874	Hercules C4	24/47sq	RRR153	30+73	EF2000	TLG73	GAAF001/2A-D
ZH877/877	Hercules C4		arr RRR175	31+21	EF2000	TLG73	GAAF001/2A-D
22.ZF171/171	Tucano T1	1 FTS	LOP436	30+84	EF2000T	TLG73	GAAF001/2A-D
ZF172/172	Tucano T1	1 FTS	LOP50	43+25	Tornado IDS	TLG51	GAFM51-57
23.5699	C-130J-30	335Skv	NOW335A	43+97	Tornado IDS	TLG51	GAFM51-57
ZH866/866	Hercules C4	206sq	* Gauntlet60	45+39	Tornado IDS	TLG51	GAFM51-57
24.1325	Global Express		t/f MCE09	46+35	Tornado ECR	TLG51	GAFM51-57
5699	C-130J-30	335Skv	dep NOW335A	46+36	Tornado ECR	TLG51	GAFM51-57
29.1325	Global Express	UAE AF	delivery	46+44	Tornado ECR	TLG51	GAFM51-57
30.525	C-130J	Oman AF	MJN7	46+56	Tornado ECR	TLG51	GAFM51-57

Credits: MAR, Scramble messageboard.

Coningsby			July 2018	06.96-0002	C-17A	437th AW	July 2018
02.ZM301	Prefect T1	3 FTS	* CWL50	10-0218	C-17A	62nd AW	RCH527
G-BYVR	Tutor T1	6 FTS	* WIT59	17.0010/F-RBAC	A400M	ET01.061	RCH304
ZM319	Prefect T1	3 FTS	* BKH74	ZM305	Prefect T1	3 FTS	CTM2006
03.ZM315	Prefect T1	3 FTS	CWL49	18.97-0048	C-17A	89th AS AFRC	CWL53
ZM148	F-35B	617sq	* MRH81				RCH553
04.ZM316	Prefect T1	3 FTS	IFE 05 BKH87/CWL53	14.80-1070	U-2S	99th RS	August 2018
05.XX242	Hawk T1	* RAFAT	* Red2	80-1073/BB	U-2S	99th RS	16 Dragon86/51
ZM148	F-35B	617sq	MRH88	15.80-1083	U-2S	99th RS	15 Dragon21
ZJ802/802	Typhoon T3	LOS52	dep	16.80-1090	U-2S	99th RS	16 Dragon88/53
ZE114	Tornado IDS	BAE/Saudi	Tarnish9				20 Dragon31
10.ZZ417	Shadow R1	14sq	* Snake01/02				
ZZ418	Shadow R1	14sq	* Snake01/02				
ZH107	Sentry AEW1	8sq	* Sentry				
ZJ692	Sentinel R1	5sq	* Snapshot				
ZZ665	Air Seeker R1	51sq	* Goose				
11.ZJ802/802	Typhoon T3	Lossie Wg	LOS52				
ZM319	Prefect T1	3 FTS	CWL03				
12.ZM307	Prefect T1	3 FTS	CWL53				
ZF171/171	Tucano T1	1 FTS	LOP51				
86-0163/LN	F-15C	493rd FS	* Deuce33/34				
86-0166/LN	F-15C	493rd FS	* Deuce33/34				
15.2901	L-410UVP-E20	Slovak AF	16 SQF104				
ZH904	Chinook HC5	Odiham Wg	Hades1				
19.1931	C-27J	Slovak AF	SQF104				
24.G-BYWX	Tutor T1	6 FTS	* WIT49				
26.ZJ213	Apache AH1	AAC	* Hunter1				
30.ZK345/345	Typhoon FGR4	ex6sq	LOS42				
ZK329/329	Typhoon FGR4	ex2sq	LOS99				
ZH904	Chinook HC5	27sq	Tusker1				
ZK561	Chinook HC6	27sq	Tusker2				
31.ZH904	Chinook HC5	27sq	Tusker1				
ZK561	Chinook HC6	27sq	Tusker2				
G-FFMV	DA42NG	Cobham	02 Nighthawk				

24.ZK019/J	Hawk T2	4sq	25 Virus1/2	59-1453	KC-135R	153rd ARS MS ANG	02 RCH469
ZK026/Q	Hawk T2	4sq	25 Virus1/2	60-0341	KC-135R	153rd ARS MS ANG	02 RCH455
26.08-0050	CV-22B	7th SOS	knife72	12-9506	E-11A	430th EECS	04 Velcro04
27.168980	C-40A	USN	CNV6566	02. T-264	KDC-10	334sq	NAF65
30.165348/AX	C-130T	VR-53	31 CNV6622	62-3508	KC-135R	141st ARS NJ ANG	03 RCH558
			August 2018	2x	F-15E	492nd FS	* Tahoe31/32
01. G-FPLD	Beech B200	Thale Calibrator	02	03.01-0076	C-37A	76th AS	* Valor37
02.168980	C-40A	USN	CNV6842	04.041	Falcon 20	717Skv	NOW717F
03.168439/LD	P-8A	VP-10	tdy 02/09 Lancer98	93-1562	C-130H	158th AS GA ANG	05 RCH215
168764/LD	P-8A	VP-10	tdy 06/09 Lancer56/08	57-1438	KC-135R	336th ARS AFRC	06 RCH839
168849	P-8A	VP-10	tdy 07/09 Lancer23/56	06.LX-N90448	E-3A	NAEW&CF	* NATO40
168858	P-8A	VP-10	tdy 07/09 Lancer99/89	57-1499	KC-135R	191st ARS UT ANG	07 RCH552
06.0073/F-RBAN	A400M	ET01.061	CTM2079	61-0318	KC-135R	106th ARS AL ANG	07 RCH876
ZA597/063	Tornado GR4	Marham Wg	08 MRH35	63-8875	KC-135R	117th ARS KS ANG	07 RCH340
07-0033	CV-22B	7th SOS	Knife71	63-8004	KC-135R	117th ARS KS ANG	07 RCH427
07.168980	C-40A	USN	CNV6882	86-0287	F-16C	120th FS CO ANG 09 Redi12/Trend16	
G-GMAD	Beech 350	Gama Aviation		87-0268	F-16C	120th FS CO ANG 09 Redi11/Trend15	
08.77	EMB121AN	28F	FNY5020	07.86-0035	KC-10A	305th AMW 09 RCH098/Roma61	
168980	C-40A	USN	CNV6882	59-1446	KC-135R	132nd ARS ME ANG	08 RCH655
13.900528	C-26D	AOD Sigonella	14 CNV6445	59-1517	KC-135R	151st ARS TN ANG	08 RCH633
14.16	ATL2	FrN	24 FNY5620	62-3542	KC-135R	77th ARS AFRC	tdy 21 RCH230
GZ100	AW109SP	32(TR)sq	RRR1171	166472	KC-130J	VMGR-252	09 Otis81
17.71	EMB121AN	28F	FNY5761	08.07-7175	C-17A	436th AW	11 RCH399/281
165348/AX	C-130T	VR-53	CNV6806	10-0219	C-17A	62nd AW	09 RCH395/398
166694	C-40A	USN	CNV6123	73-1594/DM	EC-130H	55th ECG	09 Axis41
20.169319	UC-12W	H&HS Miramar	21 Atilla04	88-1303	AC-130W	27th SOW	09 RCH1002
22.46+23	Tornado ECR	TLG51	04 GAFM51	165810	KC-130J	VMGR-252	10 Bronco69
23.73-1217	C-12C	USE Budapest	24 Duna95	09.09-0015	C-32A	1st AS	13 SAM18
166694	C-40A	USN	24 CNV6405	05-0932	C-40C	73rd AS AFRC	13 Spar10
24.168431	P-8A	VP-10	25 Lancer02	63-8004	KC-135R	117th ARS KS ANG	19 RCH233
17	ATL2	FrN	27 FNY5620	10.07-7183	C-17A	437th AW	13 RCH292
28.77	EMB121AN	28F	FNY5021	61-0293	KC-135R	22nd ARW	11 RCH734
29.165348/AX	C-130T	VR-53	CNV6487	58-0045	KC-135T	171st ARW PA ANG	12 RCH255
30.1x	BAe146 C3	32(TR)sq		2x	F-15C/D	493rd FS	* Scoff03/04
31.169319	UC-12W	H&HS MCAS Miramar	Atilla04	165810	KC-130J	VMGR-252	11 Bronco69
				11.85-0002	C-5M	436th AW	13 RCH385
				87-0036	C-5M	436th AW	13 RCH386
				08-8198	C-17A	437th AW	16 RCH190
				84-0096	C-21A	76th AS	* Valor21
				900530	C-26D	AOD Sigonella	12 CNV6424
				12.ZZ171/171	C-17A	99sq	* Comet53
				02-1105	C-17A	62nd AW	19 RCH480

Credits: MAR, Scramble messageboard.

Mildenhall			July 2018
01.57-1461	KC-135R	173rd ARS NE ANG	dep RCH403
57-1462	KC-135R	153rd ARS MS ANG	02 RCH346/462
58-0120	KC-135R	153rd ARS MS ANG	02 RCH535



This photo shows to good effect the various antennae with which the P-8A Poseidon is equipped. Anonymous looking 168849 is said to be operated by East coast unit VP-10, based at Jacksonville Naval Air Station. (Lossiemouth, 9 August 2018, Erik van Leeuwen)

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01.CE02	ERJ135LR	21sq	August 2018	ZH002	Defender AL2	651sq	AA526
03.ZH002	Defender AL2	651sq	BAF615	15.54+17	A400M	LTG62	16 GAF209
07.77	EMB121AN	28F	08 FNY5761	ZZ171/171	C-17A	99sq	4x RRR6702-05
09.258	Lj45	102sq	IRL258	ZG997	Defender AL2	651sq	AA514
13.258	Lj45	102sq	IRL258	ZH878/878	Hercules C4	24/47sq	RRR5736/5737/5738
14.ZH901	Chinook HC5	Odiham Wg	SHF525	85-0008	C-5M	436th AW	16 RCH290
15.ZZ380	Wildcat AH1	1Regt	Cartelflight	86-0024	C-5M	60th AMW	16 RCH291
ZZ515	Wildcat AH1	1Regt	Cartelflight	84-0189	KC-10A	305th AMW	16 Gold71
19.73-1217	C-12C	USE Budapest	20 DUNA95	09-0625	MC-12W	185th SOS OK ANG	16 JM11
20.ZH846	Merlin HM2	820NAS	Dolphin01	97-0048	C-17A	89th AS AFRC	18 RCH553
ZJ121/E	Merlin HC4	845NAS	Furious01	99-0168/AK	C-17A	144th AS AK ANG	RCH288
24.73-1217	C-12C	USE Budapest	DUNA95	17.ZK561	Chinook HC6	7sq	SHF282
30.011	C295M	13.Eltr	PLF033	G-CGKR/KR	Tutor T1	GSUAS	* UAJ38
31.ZZ171	C-17A	99sq	RRR6341	18.ZK561	Chinook HC6	7sq	SHF282
				ZZ333/333	Voyager KC3	10/101sq	RRR2303
				06-6168	C-17A	436th AWRCH389	W
				19.ZM418	Atlas C1	70sq	* Comet460
				ZJ130/O	Merlin HC3i	846NAS	Jungly410
				02-1105	C-17A	62nd AW	RCH480
				22.09-0640	MC-12W	185th SOS OK ANG	23 JM17
				23.ZG996	Defender AL1	651sq	* AA531
				ZH875	Hercules C4	24/47sq	* RRR165
				84-0126	C-21A	76th AS	Valor21
				62-3523	KC-135R	22nd ARW	RCH555
				24.165348/AX	C-130T	VR-53	CNV6422
				G-BYXX/XX	Tutor T1	ESUASUAA99	*
				G-CGKE/KE	Tutor T1	GSUAS	* UAJ42
				25.ZG996	Defender AL1	651sq	* AA503
				ZH841	Merlin HM2	814NAS	Tiger61
				26.298/F-RACD	DHC-6-300	GAM00.056	CTM1417
				09-0626	MC-12W	185th SOS OK ANG	27 JM12W
				G-CGKE/KE	Tutor T1	GSUAS	* UAJ42
				27.177703	CC-177	429sq	02 u/s CFC4001
				ZH889/889	Hercules C5	24/47sq	* RRR179
				ZH845	Merlin HM2	814NAS	03 Navy814
				09-0984	MC-12W	185th SOS OK ANG	28 JM35
				28.86-0032	KC-10A	305th AMW	29 RCH625
				08-8195	C-17A	62nd AW	29 RCH424
				168980	C-40A	VR-61	CNV6624
				29.272	KC-707	120sq	30 IAF002
				79-1710	KC10A	305th AMW	RCH155
				30.KAF343	C-17A	41sq	31 KAF3202
				ZA597/063	Tornado GR4	31sq	* Primus2
				08-8195	C-17A	62nd AW	RCH727
				31.15004	CC-150	437sq	01 CFC3856
				ZH847/CU-66	Merlin HM2	814NAS	01 Navy815
				08-8195	C-17A	62nd AW	RCH727
							August 2018
				01.15004	CC-150T	437sq	CFC3856
				99-0102	UC-35A	E/1-214th AVN	Duke25
				165348/AX	C-130T	VR-53	02 CNV6783
				02.177703	CC-177	429sq	dep CFC4001
				KAF343	C-17A	41sq	04 KAF3203
				03.ZH845	Merlin HM2	814NAS	dep Nvy814
				177701	CC-177	429sq	04 CFC4002
				83-0077	KC-10A	60th AMW	RCH554
				09-0641	MC-12W	185th SOS OK ANG	04 JM18E
				63-8000	KC-135R	92nd/141st ARW	04 RCH931
				04.ZM408/408	Atlas C1	70sq	05 RRR471
				06.CH-05	C-130H	20sm	BAF640
				15002	CC-150	437sq	CFC4149
				07.G-CGKE/KE	Tutor T1	GSUAS	* (4AEF)/UAJ42
				08.ZG997	Defender AL2	651sq	AAC526
				86-0034	KC-10A	60th AMW	09 Roma03
				60-0342	KC-135T	92nd/141st ARW	09 RCH340
				09.177702	CC-177	429sq	10 CFC4003
				ZH002	Defender AL2	651sq	* AAC501
				900530	C-26D	AOD Sigonella	CNV6161
				168849	P-8A	VP-10	* Lancer77
				10.ZH845	Merlin HM2	814NAS	28 Nvy814
				ZH847/CU-66	Merlin HM2	814NAS	16 Nvy814
				86-0037	KC-10A	60th AMW	11 Roma13
				09-0649	MC-12W	185th SOS OK ANG	11 JM24W
				11.ZH841/501	Merlin HM2	814NAS	16 Nvy816
				58-0074	KC-135T	171st ARW PA ANG	12 RCH315
				12.166694	C-40A	VR-56	CNV6043
							Scramble 473

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13.86-0037	KC-10A	60th AMW	14 Roma13	168292/04	MV-22B	HMX-1	14
168849	P-8A	VP-10	* Lancer23	168306/07	MV-22B	HMX-1	14
14.177703	CC-177	429sq	2x CFC4084	168324/08	MV-22B	HMX-1	14
84-0096	C-21A	76th AS	Valor21	10.85-0002	C-5M	436th AW	+13 RCH385
15.ZH877/877	Hercules C4	24/47sq	* Guinness1	87-0036	C-5M	436th AW	+13 RCH386
09-0637	MC-12W	185th SOS OK ANG	16 JM15	11.5N-FGW	G550	Nigerian AF	NGR002
60-0349	KC-135R	77th ARS AFRC	16 RCH563	92-9000	VC-25A	1st AS	AF1
16.177703	CC-177	429sq	2x 17 CFC4085	09-0016	C-32A	1st AS	
09-0660	MC-12W	185th SOS OK ANG	17 JM29	12.A9C-HMH	B767-4FSER	Gvmt of Bahrain	BAH3
17.97-0042	C-17A	155th AS TN ANG	19 RCH544	13.MAI	C-130J-30	12sq	DEMA122
165314/JW	C-130T	VR-62	18 CNV3822	09-0540	C-40C	73rd AS AFRC	
165348/AX	C-130T	VR-53	18 CNV6806	14.A9C-BHR	G-IV	Gvmt of Bahrain	BAH4
168849	P-8A	VP-10	* Lancer56	15.15002	CC-150	437sq	CFC3103
18.177702	CC-177	429sq	19 CFC4004	02-1109	C-17A	62nd AW	RCH376
57-2598	KC-135R	336th ARS AFRC	19 RCH679	17.A6-FZZ	B737-800	Gvmt of Dubai	DUB12
19.177703	CC-177	429sq	CFC4086	5N-FGV	Falcon 7X	Nigerian AF	
07-7170	C-17A	436th AW	20 RCH345	21.A4O-AE	G550	Gvmt of Oman	ORF4
60-0339	KC-135T	92nd/141st ARW	20 RCH335	22.A7-MBK	A320-232	Gvmt of Qatar	
20.177703	CC-177	429sq	CFC4086	23.CN-AMR	G550	Gvmt of Morocco	
ZH887/887	Hercules C5	24/47sq	* RRR150	24.A7-HHE	B747-8JK	Gvmt of Qatar	QAF1
87-0036	C-5M	436th AW	21 RCH191	27.05-0730	C-40C	73rd AS AFRC	SPAR18
96-1008	C-130H	109th AS MN ANG	RCH558	MAH	C-130J-30	12sq	DEMA121
57-1456	KC-135R	911th ARS AFRC	21 RCH539	28.CN-AMH	G650	Gvmt of Morocco	AF
G-CGKR/KR	Tutor T1	UGSAS/(4AEF)	* UAJ51				August 2018
21.ZH001	Defender AL2	651sq	* AA501	01.A4O-OMN	B747-430	Gvmt of Oman	ORF1
84-00157	C-12U-3	E/1-214th AVN	Duke69	05.A7-HHJ	A319-133X	Gvmt of Qatar	
166694	C-40A	VR-56	CNV6325	11-0550	C-37A	1st AS	SAM802
165348/AX	C-130T	VR-53	CNV6541	06.A6-HEH	B737-8AJ	Gvmt of Dubai	DUB6
22.15002	CC-150	437sq	CFC4189	213/MAJ	C-130J-30	12sq	DEMA124
ZM416/416	Atlas C1	70sq	* Comet459	07.A6-HRM	B747-422	Gvmt of Dubai	+13, 16 DUB1
ZG996	Defender AL1	651sq	* AA501	TR-KGM	G650	Gvmt of Gabon	Gabon1
ZH001	Defender AL2	651sq	* AA515	09.A6-COM	B747-422	Gvmt of Dubai	DUB3
84-00156	C-12U-3	E/1-214th AVN	Duke59	12.A6-MRM	B737-8EC	Gvmt of Dubai	
90-0219	C-17A	62nd AW	23 RCH446	A7-HHK	A340-221	Gvmt of Qatar	
23.CH05	C-130H	20sm	24 BAF651	A9C-BAH	G650	Gvmt of Bahrain	+16 BAH6
177702	CC-177	429sq	24 CFC4004	A9C-HMH	B767-4FSER	Gvmt of Bahrain	16 BAH3
165314/JW	C-130T	VR-62	24 CNV3822	13.A9C-HAK	B747-4F6	Gvmt of Bahrain	BAH1
24.87-0123	KC-10A	60th AMW	25 Blue31	MAA	C-17A	12sq	+18 LHOB241
165314/JW	C-130T	VR-62	30 u/s CNV3822	17.A6-MMM	B747-442	Gvmt of Dubai	DUB2
25.ZH889	Hercules C5	24/47sq	* RRR172	19.KAF328	KC-130J	Gvmt of Kuwait	
26.97-0045	C-17A	137th AS NY ANG	27 RCH817E	DU-141	AW139	Gvmt of Dubai	
27.ZH005	Defender AL2	651sqAA516	*	DU-142	AW139	Gvmt of Dubai	
ZH888	Hercules C5	24/47sq	* RRR174	22.A4O-AJ	A319-133X	Gvmt of Oman	ORF6
97-0045	C-17A	137th AS NY ANG	28 RCH817	A6-ALN	B777-2AN(ER)	Gvmt of Abu Dhabi	AUH03
63-8002	KC-135R	22nd ARW	28 RCH404	MAC	C-17A	12sq	LHOB245
28.ZG997	Defender AL2	651sq	* AA501				
ZF342	Tucano T1	1 FTS	LOP54				
79-0433	KC-10A	305th AMW	30 Roma01/11				
79-0434	KC-10A	305th AMW	30 Roma11/01				
95-00101	C-12V	nn	Moffat692				
29.62-3500	KC-135R	133rd ARS NH ANG	30 RCH181				
165833	C-40A	VR-59					
31.130612	CC-130J-30	436sq	01 CFC4258				

Credits: MAR, Scramble messageboard.

Stansted			July 2018				
01.A7-AAG	A320-214	Gvmt of Qatar	+24 QAF4				
9K-GCC	B737-9BQER	Gvmt of Kuwait	KUG037				
02.A4O-OMN	B747-430	Gvmt of Oman	ORF1				
04.EM-003	S-92	Turkish Police					
05.A6-HRM	B747-422	Gvmt of Dubai	DUB1				
A6-MMM	B747-422	Gvmt of Dubai	DUB2				
06.A6-FZZ	B737-8KN	Gvmt of Dubai	DUB12				
08.A4O-AJ	A319CJ	Gvmt of Oman	+21 ORF6				
04-4136	C-17A	305th AMW	RCH177				
09.14+03	Global 5000	FBS BMVg	GAF574				
145209	ERJ135BJ	352 Mira	HAF352B				
ZK001/AF	Merlin HC3A	845NAS	CDO554				
163260	VH-60N	HMX-1					
163265	VH-60N	HMX-1	14				

Credits: MAR, Scramble messageboard.

Waddington			July 2018				
05.2x	Apache AH1	3/4Regt	Scarecrow1/2				
11.ZH878	Hercules C4	24/47sq	RRR125				
16.A30-001	E-7A	2sq	20 ASY262				
17.ZF290/290	Tucano T1	1 FTS	* LOP55				
18.XW217	Puma HC2	Benson Wg	SHF232				

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01.GZ100	AW109SP	32(TR)sq	RRR1217				
02.ZJ182	Apache AH1	3Regt	Scarecrow1				
20.54+13	A400M	LTG62	GAF045				
21.73-1217	C-12C	USE Budapest	Duna95				
XX200/(CO)	Hawk T1A	736NAS	Kracken42/43				
22.ZM415	Atlas C1	70sq	RRR467				
24.604	A319-112	59.MHz	HUAF752				
27.0062/F-RBAL	A400M	ET01.061	CTM2074				
28.54+13	A400M	LTG62	GAF062				
29.ZJ191	Apache AH1	3Regt	Gunship1				
ZJ211	Apache AH1	3Regt	Gunship2				
30.10+23	A310-304	LTG62	GAF571				
MM7291/4-11	F-2000A	4°St	IAF0420				
MM7299/4-41	F-2000A	4°St	IAF0420				
MM7303/4-2	F-2000A	4°St	IAF0420				

Credits: MAR, Scramble messageboard.

<https://www.facebook.com/Scramblemagazine>

Civil News



As can be read in the Manufacturers News section, Boeing has released for the first time some images and videos of its new 777X. Previously all media releases were digital renderings. Unfortunately these real images are not available for download on their website, so we still have to do it with this digital picture. Interesting fact to note is that early July Boeing changed all the colours from their 777X renderings from Burgundy Red to standard Boeing Blue. Initially this Burgundy Red was used as typical house colour for the 777X programme as Boeing found some key words connected to the colour Burgundy, which they wanted passengers and airline customers to associate with the plane. Those words are vigour, elegance, refinement, high-end, richness, leadership, and maturity. The new livery also includes changes like a larger logo and details such as sweeping lines, finishes and wingtip markings. (Boeing)

Manufacturers News

Airbus

A330NEO

Early August, Airbus formally published the operational data for the new 251t MTOW Airbus A330neo variant in its Airport Planning Documentation. In this documentation the European manufacturer lists three new variants for the A330-900N which provides new MTOWs from 247t to 251t. There are three corresponding variants with the same MTOW capabilities for the smaller A330-800N. The previous highest MTOW for the A330-800N and A330-900N was 242t. The new 251t MTOW version of the A330-900N will be available from 2020 and increase the range of the A330-900N to 13,334 km (was 12,130 km) and that of the A330-800N to 15,093 km (was 13,890 km).

Late September, the 26th to be precise, Airbus secured European (EASA) certification for the A330-900N. This certification means that Airbus can now start to deliver the A330-900N to Launch Customer TAP Portugal, which will probably occur in the course of October. Airbus certification campaign for the A330-900N involved three A330-900N aircraft which had conducted some 1,400 flight hours, since the start of the test campaign in October 2017.

Boeing

777-9

For the first time, Boeing released pictures from its new 777X aircraft. Previously all media releases were digital renderings. Boeing posted pictures of its static 777X test aircraft and its first flight-test 777X on its social media early September. Both version were the 777-9 variant. The static test version is the first 777X off the line and will be exclusively used for ground testing. It lacks a vertical tail fin, engines and avionics. Boeing will subject the aircraft to a series of tests to evaluate the strength of the (new designed) wing, the struts and the fuselage. The static test aircraft will lack the wingtip folding mechanism which will be standard on the production 777X. The tips of the 777X's wings are designed to fold while on the ground, reducing the wingspan from 72 metres to 65 metres, allowing the big twinjet to operate at airfields without the facilities to handle aircraft with longer ("code F") wing-spans.

The first 777-9 flight test aircraft was also shown by Boeing. This aircraft will first fly in the course of 2019. Boeing expects the first 777-9 to be ready for delivery to its first customer somewhere in 2020. The smaller 777-8 will enter service two years later. As of late September Boeing has orders for 263 777-9s, 53 777-8s and ten orders for which the customer has not yet decided whether it wants a -8 or -9.

797

According to industry rumours Boeing is close to officially introduce the new Boeing 797. To grasp the 757 replacement market the possible introduction of a "New Midsize Aircraft" (NMA) has been a hot topic at aviation conferences and the on-line and printed aviation media. This NMA should be an all-new clean sheet design offering a payload/range capability similar to that of the old 767-200, but with the operating economics of the 737 MAX. It should fit between the current single aisle aircraft (the 737 MAX) and the smallest twin-aisle aircraft (the 787-8) and must be able to fly 210-250 passengers in a 2-class configuration over distances of 8,300 – 9,250 km. Boeing has confirmed it has been studying a 757 replacement for a few years now, but according to rumours it is now very close to officially present the NMA, which will be called 797. Boeing has three engine offers for the 797 from Pratt & Whitney, Rolls-Royce and CFM. The Authority-to-Offer decision is likely to be made by the Boeing Board in March 2019. The Authority-to-Offer is not the same as a formal launch of the programme, which remains dependent on Boeing able to secure a launch order. It is expected that this official launch will take place at the Paris Air Show in June 2019.

Bombardier

DHC-8-400Q

In August 2018 Bombardier received their certification from Transport Canada for their high density configuration of the Dash 8. Initially 76 seats would be installed, now 86 and 90 seats can be housed inside a Dash 8. Following customer request the high density configuration allows savings up to 15% per seat, making the operational costs even more interesting. Launch customer for the 90-seats configuration is India based SpiceJet who has fifty Dash 8s on order and the first one, VT-SQA msn 4583, has already been delivered by the time this Scramble reaches you.

Global 7500

On 7 September 2018 Bombardier retired Global 7500 FTV-1, the first prototype, also known as “The Performer”, from its flight test programme. Since 4 November 2016 the airplane participated in the gathering of a total of 2,700 flying hours, with help from FTV-2, -3, -4 and -5. As the type certificate approval is nearing, prototype number one will stay at Bombardier for trials on their Global Completion Center as she was painted in the new house colours. Next to this the airframe will support validation of instruction manuals and procedure guidelines. Perhaps the next move will be towards a public accessible museum.

Gulfstream

Gulfstream was awarded their long awaited FAA type and production certificate for the G500 in July 2018. This completes the effort of the G500 test programme, gathering over 5,000 flying hours with their fleet of five prototype jets. The delivery of the first production G500 took place on 27 September.

Following the G500 programme the larger G600 programme is in close pursuit. Following the expectation to receive the FAA

approvals in October 2018 the first deliveries are expected in Q1 2019.

United Aircraft Corporation

RRJ95B

Mid September 2018 Aeroflot CEO Mr Vitaly Saveliev announced the greatest order in history of his airline. A total of 100 Sukhoi Superjets 100s more were ordered with a delivery period between 2019 and 2026. The order follows the first batch of fifty Superjets with deliveries completed in September 2018. Following the current fleet, the new jets will also be delivered in a two-class interior and a total of 87 seats, 12 business and 75 economy.

The Aeroflot deals raised the spirits after earlier reports that the RRJ95-fleets in Mexico (Interjet) and Europe will be terminated and cutback severely in 2019.

Given the threads of Western sanctions and trade disruptions UAC also announced to start a study on creating the RRJ100R, being a completely Russian designed and build airframe including domestic avionics.

Airliner News



SmartWings is one of the first European operators of the Boeing 737-8 (MAX). Currently they operate six 737-8s. OK-SWB was the second MAX to join the SmartWings fleet and was delivered to the airline on 30 March 2018. (Ostrava, 15 September 2018, Eric Vangeel)

Europe

Albania

Air Albania performed their first flight on 14 September between Tirana and Istanbul. The airline, which is a joint-venture with Turkish Airlines, currently flies with one, former Turkish Airlines, A319. Eventually Air Albania wants to operate two A320s and also more destinations than Istanbul.

Austria

On 29 August Laudamotion and Ryanair announced their growth strategy for when the acquisition of 75% of Laudamotion by Ryanair is completed. Next to increasing the salaries of its staff, Laudamotion will introduce a new livery. According to their press release the new livery “reflects Laudamotion’s Austrian heritage”. The fleet is planned to double with the addition of nine A320s, which should all join the fleet before the start of the next summer season.

People’s, which currently flies with two Embraer ERJ170s is thinking about expanding the fleet with a single ERJ190E2. A decision is to be made later this year.

Belgium

Air Belgium has announced that they will pause their scheduled passenger flights between Brussels-Charleroi and Hong

Kong in October. They are hoping to resume with the start of next year’s summer season. For the time being the airline will instead focus on providing ACMI-flights for third parties.

SHS Aviation BV, a joint-venture of Dutch and Chinese investors, have decided to liquidate their Belgian company SHS Aviation NV, which was flying as VLM out of Antwerp using Fokker 50s. Earlier this year SHS Aviation NV already sold their Brussels-operations to an unnamed Dutch investor. This company will continue to operate with their two A320s as VLM. VLM restarted operations in 2016 when SHS Aviation stepped in.

Czech Republic

The owner of CSA, Travel Service, is thinking about streamlining their fleets and replace CSA’s Airbus-fleet with Boeing 737s. No official decision has been made, but next year at least seven B737-800s will fly for CSA, with four of these wet-leased and three operated by CSA themselves.

Germany

AeroLogic, the joint-venture cargo airline from Lufthansa and DHL, will lease an additional B777F. The aircraft, which will be the eleventh plane in the airline’s fleet, is expected to be delivered in January.



Red Wings operates both charter and scheduled passenger and cargo services from its Moscow-Domodedovo main base. It used to operate mainly Russian built aircraft, but since summer 2017 they have also added Western built Airbus narrow-body aircraft to their fleet. Airbus A321-200 VP-BRW is one them and was acquired by the airline in spring 2018. Former operators of this aircraft were Iberia, Metrojet and Balkan Holiday Air. (Antalya, 29 August 2018, Ton Jochems)

Due to poor financial results [Azur Air Germany](#) has decided to cease all operations. Their aircraft, one B737-900ER and a B767-300ER will be moved to either Azur Air or Azur Air Ukraine.

Ireland

The CEO of [Aer Lingus](#) announced that the airline is set to do a brand refresh next year, including a new livery. The first plane to show off the new livery will be their new Airbus A321neo, of which the first is expected to be delivered in the second quarter of next year. According to the CEO, the green and shamrock will stay.

Italy

[Neos Air](#) and leasing company ALC agreed for a lease deal for an additional B787-9. The plane will come from ALC's current orders for the Dreamliner with Boeing and is expected to be delivered in Q4 2019. Neos already operates two B787-9s.

Luxembourg

[Luxair](#) has acquired two additional Boeing 737-700s. The planes are set to arrive in March and May next year. Once delivered, the fleet of Luxair will consist of eight B737-700s and -800s and eleven DHC-8-400Qs.

Norway

In an update to investors, [Norwegian](#) has confirmed its plan to sell 140 aircraft in order to reduce the airline's growing debt. Part of the planes it wants to sell is Norwegian's order for 65 Airbus A320neos and thirty A321neos, of which the first was scheduled to be delivered in 2020. At first Norwegian had the plan to create a leasing company and lease out the 140 planes, but the need for lower debt has put an end to this plan.

Russia

On 5 September, [Aeroflot](#) took delivery of their 49th SSJ100-95. Originally the airline ordered 50 SSJs. Five days later the airline and the United Aircraft Corporation announced that they signed an agreement for another 100 SSJ100-95s. The new planes will be delivered between 2019 and 2026.

Lessor CDB Leasing signed a deal with [Nordwind Airlines](#) for the lease of three B737-800s. All three have been delivered by the time you read this Scramble. The airline also announced it is planning to streamline its fleet around two plane types; the A321neo and A330neo of Airbus. Currently the airline operates a diverse fleet of A321s, A330s, B737s and B777s. Nordwind wants to start its fleet renewal with the new types as of next year.

Switzerland

[SkyWork Airlines](#) has ceased all operations and filed for bankruptcy after talks with a potential investor collapsed. The airline was founded in 1983 and lastly operated a fleet of six Saab 2000s to twenty destinations, mainly out of its home base Bern.

Turkey

[AtlasGlobal](#) has decided against firming up its LOI it signed with Bombardier in 2011 for fifteen CS300s, now known as the Airbus A220-300. Instead, the airline will expand its fleet with two A330s and more A320s and A321s. One of the coming A330s is to be placed with its subsidiary from Ukraine in November, but will fly for the mother airline. AtlasGlobal is planning to use the new A330s on flights to Baghdad and Teheran, as well as occasionally to London and Moscow.

The Emir of Qatar was first planning to sell one of their two B747-8s, VQ-BSK, but then decided it could also make a cool gift for a friend. And so he decided to donate the plane to President Erdogan. The aircraft arrived at Istanbul early September and will be repainted in the Turkish government-livery and operated by Turkish Airlines-pilots, just like the rest of the governmental fleet.

United Kingdom

If everything is going according to plan, [British Airways](#), will end Boeing 767-operations on 5 November. Flight BA663 from Larnaca to London-Heathrow is to be the final flight. Currently British Airways is operating five remaining B767-300/ERs (G-BNWX, G-BNWZ, G-BZHA, G-BZHB and G-BZHC). The airline has been flying the B767 since 1990 and has flown with thirty of them since then.

Next year British Airways will add four more Embraer ERJ190s to the fleet of [BA Cityflyer](#). With these four the airline's fleet is to consist of twenty ERJ190s and six ERJ170s. It is currently unknown if the four planes will be new or used aircraft.

On 4 September, [Flybe](#) unveiled a new livery, despite that their fleet wasn't even fully painted in the previous new livery.

Africa

Angola

The Minister of Transport of Angola has cancelled an order placed earlier in May for six new DHC-8-400Qs with Bombardier. The new planes were destined for a new regional carrier, formed by a consortium of Angolan airlines called [Air Connection Express](#). However, the government has decided

it doesn't want to commit to around \$180 million which will mostly "serve the interest of private companies". Originally the planes were scheduled for delivery between 2019 and 2020. What this move means for the forming of Air Connection Express is currently unknown.

Morocco

On 19 September [Royal Air Maroc](#) operated its last B747-400 flight to and from Montreal. She arrived at Amsterdam on 25 September for some maintenance at KLM. It is yet unknown what will happen to the aircraft.

Nigeria

[Air Peace](#) and Boeing announced that they signed an order for ten B737MAX8s. The new aircraft will be used to replace the airline's current thirteen B737s, which are eight B737-300s and five B737-500s.

During the Farnborough Air Show Nigeria's Minister of State for Aviation unveiled the plans for the country's new national airline, [Nigeria Air](#). Now the government has decided to abandon the plans for "strategic reasons". Since the launch there has been heavy resistance in Nigeria against the project due to the costs involved. Nigeria Air was originally scheduled to start operations on 19 December of this year and was eyeing a fleet of B737MAXs and A330neos.

Asia

Bangladesh

[US-Bangla](#) is thinking about adding widebody-aircraft to their fleet and is considering used A330-200/300s or B777-200ERs. Currently the airline flies with four B737-800s and three DHC-8-400Qs on domestic and regional routes.

India

Rumours are suggesting that Indian airline [IndiGo](#) is set to enter the longhaul-market this upcoming winter and has secured slots at Hong Kong and London-Gatwick. IndiGo is said to fly these routes with their new Airbus A321neos, of which the first will join the fleet in November. As the type can't make the flights to London non-stop a short stop for fuel is planned.

According to Indian news outlets [SpiceJet](#) is in talks with Airbus about a possible order for A330neos, which would be used to start longhaul-flights. Currently the airline flies with

36 B737s and 22 DHC-8-400Qs and has orders open for 155 B737MAXs and 24 more DHC-8-400Qs.

Indonesia

The [Lion Air Group](#) has decided to lease eight A330neos via BOC Aviation. The eight planes will be delivered between 2019 and 2020 and used by the various Lion Air's in the group.

Japan

NYK Group, the owner of [Nippon Cargo Airlines](#), have announced that it will probably take until April 2019 to restore the fleet of NCA back into service. NCA has been forced to ground its fleet after the Japanese authorities found irregularities in the airline's maintenance records. At this moment only two of the eleven strong B747F-fleet are flying. This are B747-8F JA18KZ and B747-400F JA05KZ. Due to the grounding, NCA is expecting a loss of \$144 million for FY2018/2019.

Malaysia

[Malaysia Airlines](#) has decided not to firm up its MOU for eight B787-9s it signed in September last year. Instead the airline has reopened talks with both Airbus and Boeing about the possibilities for its widebody-fleet. Currently Malaysia Airlines' widebody-fleet is all Airbus, consisting of A330s, A350s and A380s.

Singapore

On 22 September [Singapore Airlines](#) took delivery of their first of seven Airbus A350-900ULRs. The aircraft, registered 9V-SGA, arrived at its home base a day later. Singapore has configured the plane with 67 Business Class- and 94 Premium Economy-seats and will start commercial operations with her on 11 October between Singapore and New York-JFK (NY). The flight will almost take nineteen hours, making this the longest commercial flight in the world. As more A350-900ULRs arrive, Singapore Airlines will also use them for non-stop flights to Los Angeles (CA) and San Francisco (CA). The A350-900ULR is a development of the A350-900 with an increased fuel capacity of 24,000 litres, enabling flights up to twenty hours or 9,700 nautical miles. The plane also features a number of aerodynamic improvements like extended winglets. Airbus will incorporate these improvements to all A350-900s in upcoming production.

Singapore Airlines is one of the biggest customers for the A350, with a total of 67 planes ordered. So far 22 have been delivered.



This Boeing 737-500 was originally delivered to Braathens, Norway in February 1994, but was immediately leased to Chinese Xiamen Airlines and registered in China in March 1994. After fourteen years of Chinese service the aircraft moved to Russia and started to fly for Orenair. They phased out the small Boeing in September 2013 and the aircraft moved to Air Armenia as EK73797. Since then the aircraft has been operated by quite a lot of "vague and obscure" airlines such as Taron-Avia, Kam Air and Atlantis European Airways. The latter is still the current operator and operates the aircraft on behalf of Air Moldova. (Barcelona, 19 August 2018, Robert Eikelenboom)



SkyUp Airlines is a new Ukrainian low cost start-up airline, which started operations on 24 May 2018 with a flight from Kiev to Sharm El Sheikh, Egypt. In its first year SkyUp Airlines plans to concentrate on charter flights to popular tourist destinations, as well as domestic scheduled flights within Ukraine. International scheduled flights are expected to follow. Initial equipment of SkyUp Airlines are two ex-Malaysia Airlines Boeing 737-800 aircraft, with UR-SQB pictured here at Antalya. SkyUp Airlines has ambitions to grow to an eventual fleet of twelve aircraft. On 20 March 2018 they already ordered two Boeing 737 MAX 8s and three Boeing 737 MAX 10s. (29 August 2018, Ton Jochems)

Taiwan

China Airlines will take delivery of new A350-900 B-18918 in October, which will feature a special A350-livery. So, something to look out for when you're out for spotting planes.

Turkmenistan

Boeing and Turkmenistan Airlines announced a deal for three B737MAX7s, of which one will be a BBJ for use by the government. The delivery dates are currently unknown.

Latin America

Argentina

On 16 October Norwegian Argentina is set to resume operations and will start flying from Buenos Aires to Bariloche and Cordoba using B737-800s.

Middle East

Iran

Despite the reinstated US-sanctions, ATR was able to deliver five new ATR72-600s to Iran Air on 4 August. All five departed Toulouse near simultaneously. The plane manufacturer was able to deliver these planes after intensive lobbying to the US Treasury to get an exemption on the already revoked export licenses for goods containing US-parts like an ATR has.

Kuwait

Wataniya Airways has its AOC suspended for three months by the Kuwait Civil Aviation Authorities. The suspension comes after the airline failed to reach a 5 September deadline to get its operations back on track. Currently the airline has only one A320, which is insufficient to conduct its scheduled flights. Last Farnborough airshow, the airline ordered 25 A320neos and ten ERJ195-E2s

North America

Canada

It's not often these days that we can report on a new Boeing B737-200 operator. However, this month we can! Chrono Aviation has added its first B737-200C to the fleet. A second one is also in the planning. The charter company already operates the Beech 350, Beech 1900D, DHC-8-100, Falcon 50 and PC-12.

Oceania

Australia

Virgin Australia has announced that it has converted ten of their forty B737MAX8s on order into the larger MAX10. Delivery of the planes will start in 2022. The airline has also

confirmed it will take delivery of their first B737MAX8 in November next year.

In an update for investors Qantas has given some more information about their fleet plans. The airline has held extensive talks with both Airbus and The Boeing Company for its Project Sunrise in which it seeks a plane that is capable to fly non-stop between Sydney and London. According to Qantas both manufacturers are able to reach the specifications the airline needs. Airbus is offering a new A350-1000ULR variant, whilst Boeing is pitching their B777-8. Now that the plane manufacturers have confirmed the possibilities, Qantas is moving forward with an official RFP and hopes to place the order next year.

Qantas is also looking at replacing its 75 B737-800s and is studying the A320neo-family from Airbus and the B737MAX-family and new NMA (B797) from Boeing. It's good to note that Qantas already has 99 orders for the A320neo-family. The first batch of planes of this order are destined for its subsidiary Jetstar Pacific Airlines.

Lastly the airline is also interested in the new A220-family from Airbus and the E2-family from Embraer, which would be ordered to replace the twenty B717s and seventeen Fokker 100s flying with Qantas Link.

New Zealand

At the end of August, Air New Zealand announced a healthy profit. In its press release the airline also announced that it has signed a commitment with Airbus for seven additional A321neos. The new aircraft are expected to be delivered between 2020 and 2024.

Tahiti

Air Tahiti, which operates a fleet of ATRs is looking at adding two jet aircraft to supplement its fleet. Under consideration are the Airbus A220 and Embraer ERJ195-E2. A decision is expected later this year.

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
<u>Air New Zealand</u>	2	<u>A321neo</u>
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	
Lufthansa	9	A320	(+3)
	6	A320neo	
Macquarie Financial Holdings	20	A320neo	
Scandinavian Airlines	35	A320neo	
	1	A330-300	
Sichuan Airlines	10	A350-900	
Spirit Airlines	5	A320	
Turkish Airlines	25	A350-900	
Undisclosed	5	A319	
	22	A319neo	
	3	A320	
	6	A320neo	
	10	A330-900	
	23	A350-900	(+8)
Vietjet Air	2	A321	
Total	274		(+13)

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	
EWA Air	2	ATR72-600	
Hokkaido Air System	2	ATR42-600	
Nordic Aviation Capital	16	ATR42-600	
Total	36		

Boeing 2018 firm orders

Air Lease Corporation	38	B737MAX	
	3	B787-9	
American Airlines	25	B787-9	
ANA Holdings Inc.	2	B777F	
Aviation Capital Group	20	B737MAX	
BOC Aviation Limited	9	B787-9	
Boeing Capital Corporation	75	B737MAX8	
	1	B777F	
	27	B787-8	(+5)
DHL	10	B777F	
FedEx Express	11	B767-300F	
	12	B777F	(+3)
GOL	15	B737MAX8	
Goshawk Aviation Limited	20	B737MAX8	
Hawaiian Airlines	10	B787-9	

Jackson Square Aviation	30	B737MAX8	
Jet Airways	150	B737MAX8	(+75)
Lufthansa Cargo	2	B777F	
Private	3	BBJ	
Qantas Airways	6	B787-9	
Qatar Airways	5	B777F	
Royal Air Force	3	P-8A	
Ryanair	25	B737MAX200	
SkyUp Airlines	2	B737MAX8	
	3	B737MAX10	
	40	B737MAX8	
Southwest Airlines	2	B777-300ER	
Swiss International Air Lines	2	B777-300ER	
TAROM	5	B737MAX8	
TUI Travel PLC	2	B737MAX8	
Turkish Airlines	25	B787-9	
Unidentified	88	B737	
	3	B787	
United Airlines	4	B787-9	
United States Navy	10	P-8A	
UPS	14	B747-8F	
	9	B767-300F	(+5)
UTair Aviation	30	B737MAX8	
Uzbekistan Airways	1	B787-8	
Total	738		(+129)

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		(+3)

Embraer 2018 firm orders

American Airlines	15	ERJ175	
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	200		

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

Jetliners

Wings of Lebanon is a privately held Lebanese airline. In 2016 it expanded its business model from a pure charter operation model to a largely seasonal scheduled international business model, focussing on flights from Beirut to various destinations around the Middle East and Europe. The carrier has historically operated one Boeing 737-300, but has expanded its operations using a variety of wet-leased Boeing 737-700s as well as Airbus narrow-bodies. Currently their fleet consists, besides the original 737-300, of one other 737-300 (which is leased from South African Africa Charter Airline) and one Boeing 737-700, which entered their fleet on 20 May 2018. The Boeing 737-700 has exotic San Marino registration T7-WLA. (Antalya, 29 August 2018, Ton Jochems)

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Based at Chisinau, Moldavia, FlyOne operates charter services to mainly Turkish and Greek holiday destinations. Their fleet consists of older and mid-aged Airbus'. Their latest acquisition is this Airbus A320-200 ER-00003, which was added in May 2018. The Airbus is a 2008-built aircraft but its Zorro-like masque around its cockpit gives it a very modern look (just like the A350 or the Iberia A320NEOs). Former operators of this aircraft were Bassaka Air, TransAsia Airways and TACA International. (Antalya, 30 August 2018, Ton Jochems)

A310	-325ET	636	EP-	Iran Airtour, ex EK31001 of Armenia Airways. Delivered on 28 August.
	-325ET	644	EP-	Iran Airtour, ex EK31002 of Armenia Airways. Delivered on 28 August. Both these two Airbuses are ex TAROM aircraft and were delivered to Armenia Airways just in June 2018. Probably just as some kind of decoy, before being directly delivered to Iran.
A319	-112	1612	SX-BHN	Olympus Airways, ex Wataniya Airways. Returned from lease on 31 August.
	-132	2396	SX-ABE	Olympus Airways, ex Wataniya Airways. Returned from lease on 31 August.
	-132	3142	TC-JLR	Air Albania, ex Turkish Airlines. Delivered on lease in full colours on 14 September.
A320	-233	739	LY-SPJ	Small Planet Airlines, ex SP-HAC of Small Planet Airlines Poland. Transferred on 7 September.
	-232	1411	LY-SPK	Small Planet Airlines, ex SP-HAB of Small Planet Airlines Poland. Transferred on 6 September.
	-214	1744	TS-INC	Nouvelair Tunisie, ex Royal Air Maroc. Returned from lease on 10 September.
	-233	3570	TC-ODC	Onur Air, ex 2-VSLJ of Crimson Sunbird Leasing. Delivered on 18 September. Former 9V-SLJ of SilkAir.
	-251N	8350	SE-ROP	SAS Scandinavian Airlines. Delivered on 28 August. Test registration was D-AUBQ.
	-251N	8365	G-TTNE	British Airways. Delivered on 21 August. Test registration was F-WWIG.
	-271N	8367	VQ-BRB	S7 Airlines. Delivered on 21 August. Test registration was D-AUBB.
	-251N	8375	G-UZHL	easyJet. Delivered on 24 August. Test registration was D-AUBM.
	-214	8385	G-EZGY	easyJet. Delivered on 31 August. Test registration was D-AXAX.
	-214	8394	HZ-AS78	Saudia - Saudi Arabian Airlines. Delivered on 11 September. Test registration was D-AVVR.
	-214	8427	HZ-AS83	Saudia - Saudi Arabian Airlines. Delivered in SkyTeam colour scheme on 26 September. Test registration was F-WWIM.
	-251N	8404	SE-RON	SAS Scandinavian Airlines. Delivered on 12 September. Test registration was D-AVVP.
	-251N	8405	G-UZHM	easyJet. Delivered on 25 September. Test registration was F-WWBV.
	-214	8438	HZ-AS84	Saudia - Saudi Arabian Airlines. Delivered on 27 September. Test registration was F-WWDO.
	-271N	8456	D-AINM	Lufthansa. Delivered on 3 September. Test registration was D-AVVA.
A321	-231	1214	15+04	Luftwaffe - German Air Force, ex D-AISE of Lufthansa. Delivered after cabin configuration at Hamburg on 21 September.
	-251N	8374	CS-TJJ	TAP Air Portugal. Delivered on 30 August. Test registration was D-AZAF.
A330	-202	211	CS-TQP	Hi Fly, ex XL Airways France. Returned from lease on 10 September.
	-202	511	EI-GGO	Air Italy, ex A7-ACC of Qatar Airways. Delivered on 5 September.
	-243	1008	CS-TFZ	Hi Fly, ex Garuda Indonesian Airways. Returned from Hajj lease on 27 September.
	-243F	1070	D-ALMD	EAT Leipzig, ex A6-DCB of Etihad Airways. Delivered on 6 September.
	-343E	1873	B-300P	China Eastern Airlines. Delivered on 17 August. Test registration was F-WWKF.
	-343E	1879	B-302E	Shenzhen Airlines. Delivered on 26 September. Test registration was F-WWYF.
	-343E	1881	B-303D	China Eastern Airlines. Delivered on 21 September. Test registration was F-WWYA.
A340	-312	367	9H-SUN	Hi Fly Malta, ex Corsair. Returned from lease on 9 September.
A350	-1041	110	A7-ANC	Qatar Airways. Delivered on 10 September. Test registration was F-WZGM.
	-941	163	A7-AME	Qatar Airways. Delivered on 10 September. Test registration was F-WZGF.
	-1041	169	B-LXB	Cathay Pacific Airways. Delivered on 31 August. Test registration was F-WZGW.
	-941	178	B-1085	Air China. Delivered on 30 August. Test registration was F-WZGZ.
	-941	217	B-1083	Air China. Delivered in a special Expo 2019 Beijing colour scheme on 19 September. Test registration was F-WZNU.
	-941ULR	220	9V-SGA	Singapore Airlines. Delivered on 22 September. First ultra-long range A350 to be delivered. Familiar registration, as 9V-SGA was also used on one of the long-range A350-500s which used to fly the long haul Singapore Airlines routes a decade ago. Test registration was F-WZFF.
	-941	235	B-LGE	Hong Kong Airlines. Delivered on 31 August. Test registration was F-WZHJ.
	-941	236	RP-C3504	Philippines - Philippine Airlines. Delivered on 17 August. Test registration was F-WZHH.
A380	-842	240	A6-EUW	Emirates. Delivered on 14 September. Test registration was F-WWSE.
B737	-484	25361	YR-SEB	Star East Airlines, ex Corendon Dutch Airlines. Returned from summer lease on 15 September.
	-548	25739	UP-B3724	SCAT, ex LY-AYZ of the same company. Re-registered late August. The aircraft was leased by SCAT from Small Planet Airlines.
	-36N	28669	9H-LBI	Hyperion Aviation, ex Wings of Lebanon. Back from lease on 10 September.
	-490SF	28896	EI-GHB	Mistral Air, ex N709AS of Classic 490 LLC. This former Alaska Airlines was delivered on 4 September.

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	-81Q	29051	<u>EC-NAB</u>	AlbaStar (addition Scramble 472 – Page 25).
	-752	29363	VP-BZZ	Nordavia - Regional Airlines, ex N851AM of AeroM�xico. Delivered on 21 September.
	-76N	29904	OE-IHP	Airspeed Ireland Leasing 2 Ltd, ex 4L-TGM of Georgian Airways. Registered in September. Stored at St. Athan since 6 September.
	-8AS	29922	EI-CSG	MIAT Mongolian Airlines, ex Travel Service. Ferried back to Mongolia after summer lease on 24 September.
	-8K2	30646	CS-TQU	euroAtlantic Airways, ex TUIfly Belgium. Returned from summer lease on 22 September.
	-83N	32580	OE-IMC	GECAS - General Electric Capital Aviation Services, ex N437SR. Registered on 6 September
	-83NSF	32609	G-NPTB	West Atlantic, ex N446SR of GECAS. Delivered after freighter conversion on 23 August. Former B-5121 of China Southern Airlines.
	-8BK	33018	OM-KEX	AirExplore, ex Palau Airways. Per 3 September back from lease to Palau Airways. Now leased to Fly-Egypt, but in full AirExplore colours.
	-8Z9	33834	4X-EKU	El Al Israel Airlines, ex Up. Back to El Al in September.
	-8K5	34691	D-ATUZ	TUI fly Germany, ex OO-JPT of TUIfly Belgium. Transferred on 11 September. Still painted in RIU Hotels & Resorts colours.
	-84P	35274	F-HTVK	Transavia France, ex B-5765 of Hainan Airlines. Delivered on 18 September.
	-86N	36548	OY-PSJ	Primera Air Scandinavia, ex EI-GGW of Oriental Leasing. Delivered on 8 September.
	-7GL	37233	UP-B3725	SCAT, ex LY-AZV. Was leased from Small Planet Airlines. Re-registered early September.
	-8LX (BBJ2)	39899	D-AXXX	ACM Air Charter, ex VP-BBZ of Gama Aviation. Delivered on 22 September.
	-93YER	40888	VQ-BBB	Somon Air, ex P4-TAJ. Re-registered 22 September.
	-8	42834	EI-FYI	Norwegian. Delivered on 24 September. Line # 7077.
	-8	42836	LN-BKC	Norwegian. Delivered on 6 September. Line # 7073.
	-800	44847	EI-GSD	Ryanair. Delivered on 31 August. Line # 7137.
	-800	44849	EI-GSG	Ryanair. Delivered on 21 September. Line # 7167.
	-800	44850	EI-GSF	Ryanair. Delivered on 14 September. Line # 7141.
	-8	60033	TC-LCB	Turkish Airlines. Delivered on 21 September. Line # 7128.
	-8	60037	TC-LCF	Turkish Airlines. Delivered on 22 September. Line # 7088.
	-8	60133	OK-SWF	SmartWings. Delivered on 21 September. Line # 7145.
	-800	60181	VP-BSA	Nordwind Airlines. Delivered on 30 August. Line # 7124.
	-8	62447	ET-AVL	Ethiopian Airlines. Delivered on 27 August. Line # 7080.
	-800	64439	G-JZBO	Jet2. Delivered on 24 August. Line # 7117.
	-800	64862	VP-BQB	Pobeda. Delivered on 28 August. Line # 7107.
	-800	64863	VP-BQC	Pobeda. Delivered on 20 September. Line # 7157.
B747	-4B5BCF	25275	N708CK	Kalitta Air, ex N976BA of Pacific Air Cargo. Returned from lease and reregistered on 7 September.
	-4B5BCF	26395	N707CK	Kalitta Air, ex N539BC of Kalitta Air. Reregistered on 7 September.
	-4B5F	26408	N716CK	Kalitta Air, ex HL7403 of Korean Air. Delivered on 21 September.
	-419	26910	EC-MDS	Wamos Air, ex Garuda Indonesian Airways. Returned from Hajj lease on 26 September.
	-4F6	28959	ER-BAC	Terra Avia, ex Flynas. Returned from Hajj lease on 26 September.
	-45EF	30609	N487MC	Polar Air Cargo, ex B-16483 of EVA Air. Delivered in partial DHL colour scheme on 8 September.
	-41R	32746	ER-BAE	Terra Avia, ex Flynas. Returned from Hajj lease on 26 September.
	-8ZV (BBJ)	42096	TC-TRK	Government of Turkey, ex VQ-BSK of Skeik Khalifa. Delivered on 11 September. Personal gift from the Sjeik to Mr. Erdogan. That's what you call a gift.
	-8F	64258	N612UP	UPS - United Parcel Service. Delivered on 6 August. Line # 1549.
B757	-222SF	25368	VP-BHM	<u>E-Cargo</u> . Aircraft has been converted to freighter after its service with American and not delivered to Aviastar-TU, but to an airline called Erofei Airlines, which is doing business under the name E-Cargo (correction Scramble 471 – Page 47).
	-223SF	29427	G-DHKS	DHL Air, ex N677AN of American Airlines. Delivered after freighter conversion on 26 August.
B767	-3Y0ERSF	26208	N1619A	Prime Air, ex CS-TFT of euroAtlantic Airlines. Delivered after freighter conversion on 8 September. Operated by Atlas Air.
	-328ERSF	27428	N1499A	Prime Air, ex VQ-BBI of S7 Airlines. Delivered after freighter conversion on 10 September. Operated by Atlas Air.
	-81Q	30618	N732MA	Miami Air International, ex TUI fly Netherlands. Returned from summer lease on 11 September.
	-36NER	30853	CS-TKT	euroAtlantic Airways, ex Flynas. Returned from Hajj lease on 26 September.



This summer season Atlasglobal wet-leased a trio of Airbus A330-200s from Egyptian charter carrier Air Leisure. The three A330s were the first wide bodies in the Atlasglobal fleet. They flew out of Antalya to various destinations in Russia and Europe, and Ton Jochems was present on 29 August 2018 to capture A330 SU-ALA.

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IrAero Airlines operates scheduled passenger and cargo services from its main base Irkutsk. It operates domestic services in Russia and international services to China and Kazakhstan. Besides these scheduled services it also operates domestic and international charter flights. IrAero operates those with CRJ100/200s and Sukhoi Superjets, but this summer they took over two Boeing 777-200ERs from defunct VIM Airlines. One of them is this VP-BLI. A third ex VIM Airlines 777-200ER will be added to the fleet in the near future. With these three 777-200ERs IrAero will open routes from St. Petersburg to Hangzhou, Haikou and Sanya later this autumn. But before they commence them to China the Triples are employed on services to sunny Antalya. (30 August 2018, Ton Jochems)

	-346ERSF	33493	N362UP	UPS - United Parcel Service, ex JA604J of Japan Airlines. Delivered after freighter conversion on 15 September. Second converted 767 freighter for UPS after...
	-346ERSF	33494	N363UP	UPS - United Parcel Service, ex JA605J of Japan Airlines. Delivered after freighter conversion on 2 August. And this was the first 767 conversion for UPS.
	-346ERSF	33845	N364UP	UPS - United Parcel Service, ex JA609J of Japan Airlines. And number three was delivered after freighter conversion on 25 September.
	-3JHFER	37808	VH-EXZ	Tasman Cargo Airlines, ex G-DHLH of DHL Air. Ferried to Down Under for DHL operations in Australia. Registered on 27 August.
B777	-300F	43554	N164FE	FedEx Express. Delivered on 23 August. Line # 1159.
	-300F	43633	N166FE	FedEx Express. Delivered on 19 September. Line # 1161.
	-31H	29064	5N-BUU	Air Peace, ex 2-RLAU of FV Aircraft Leasing. Delivered on 25 August. Former A6-EMU of Emirates.
	-31H	29067	SU-KHP	Alexandria Airlines, ex Flynas. Returned from Hajj lease on 27 September.
	-31H	29396	B-HNS	Cathay Pacific Airways, ex A6-EMR of Emirates. Delivered on 3 September.
	-212ER	30872	ZK-OKJ	Air New Zealand, ex 9V-SVG of Singapore Airlines. Delivered on 18 September.
	-F16	41518	N703GT	Atlas Air, ex N778LA of Southern Air. Registered on behalf of Atlas Air on 24 August. Aircraft is still in basic LAN Cargo colours. The aircraft was new delivered to LAN Cargo in October 2012. It was sold to Southern Air three years later. Southern Air operated the aircraft for LAN Cargo / LATAM Cargo until March 2018.
	-300ER	62439	80-1111	JASDF - Japanese Air Self-Defence Force. Delivered after cabin-outfitting at Basle on 16 August. Line # 1422.
	-F	62771	A7-BFN	Qatar Airways. Delivered on 19 September. Line # 1566.
	-F	62772	A7-BFO	Qatar Airways. Delivered on 18 September. Line # 1571.
	-F	62826	B-16783	EVA Air. Delivered on 29 August. Line # 1568.
	-300ER	65301	B-1282	Air China. Delivered on 29 August. Line # 1569.
	-300ER	65304	A7-BEW	Qatar Airways. Delivered on 3 September. Line # 1563.
	-300ER	65305	A7-BEX	Qatar Airways. Delivered on 20 September. Line # 1565.
	-F	65397	ET-AVN	Ethiopian Airlines. Delivered on 30 August. Line # 1570.
	-F	65742	TC-LJN	Turkish Airlines. Delivered on 26 September. Line # 1573.
B787	-9	34817	HL7208	Korean Air. Delivered on 20 September. Line # 753.
	-8	34940	B-2738	Hainan Airlines, ex Suparna Airlines. Returned after seven-month lease to Suparna late June.
	-9	38182	ZK-NZN	Air New Zealand. Delivered on 15 September. Line # 749.
	-9	38774	LN-LNT	Norwegian, ex G-CKLZ of Norwegian UK. Registered in Norway on 10 September.
	-9	39296	ZK-NZQ	Air New Zealand. Delivered on 21 September. Line # 751.
	-9	39675	A6-BLU	Etihaad Airways. Delivered on 30 August. Line # 744.
	-9	40658	N837AN	American Airlines. Delivered on 28 August. Line # 738.
	-9	40659	N838AA	American Airlines. Delivered on 7 September. Line # 746.
	-8	60630	G-ZBJK	British Airways. Delivered on 13 September. Line # 733.
	-9	63312	LN-LNV	Norwegian, ex G-CKNY of Norwegian UK. Registered in Norway on 13 August.
BAe146	-300QT	E3150	B-1111	Shanghai Airlines. Delivered on 21 September. First Dreamliner for Shanghai Airlines. Line # 702.
	CRJ	7114	D-AJAM	WDL Aviation, ex EC-LOF of ASL Airlines Spain. Per August.
	100LR	7114	C-GBUX	Avmax Aircraft Leasing Inc., ex OY-BPO of Backbone Aviation. Registered on 10 September. Was already ferried to Calgary-Int'l (Alta.) on 25 June.
	CL-850	8107	9H-ILB	VistaJet Malta, ex B-3376 of VistaJet China. Delivered on 22 August.
	900	15237	G-CKZN	Triangle Syber Leasing DAC, ex OY-KFG of SAS / Cimber. Registered on 30 August. Parked at Maastricht since 29 May. Destined for CityJet.
	900	15242	G-CKZO	Triangle Syber Leasing DAC, ex OY-KFI of SAS / Cimber. Registered on 30 August. Parked at Maastricht since 15 February. Destined for CityJet.
	900ER	15106	TS-ISC	Syphax Airlines, ex EC-JYV of Air Nostrum. Ferried as EC-JYV to Tunis on 22 August.
	1000	19064	EC-MXA	Air Nostrum. Delivered on 24 August.
CS	A220-300	55039	YL-CSK	airBaltic. Delivered on 24 August.
	A220-300	55040	HB-JCQ	Swiss. Delivered on 26 September.

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A220-300	55043	YL-CSN	airBaltic. Delivered on 22 September.
ERJ	135BJ	14501017	T7-PAM Luxaviation San Marino, ex G-LALE of Bookajet. Delivered in August.
	135BJ	14501021	5N-SHD SkyJet Aviation Services, ex T7-LRK. Re-registered in July.
	135BJ	14501069	HS-DID AC Aviation Company Ltd, ex N600YC of Avcorp US Registrations LLC Trustee. Registered on 8 June.

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



The Embraer 195 is a new type in the fleet of Airzena Georgian Airways, which consists of two Boeing 737-700s, two CRJ200s and three Embraer 190s. This ERJ195 is a former FlyBe and Kalstar aircraft and is leased from Nordic Aviation Capital. It was painted in Airzena Georgian Airways colours at Maastricht and was digitalized at that airport by Mark Rimmel, showing its new colours and 4L-MGT registration. If this issue of Scramble falls on your doormat, this aircraft is probably already delivered to Georgia. (25 September 2018)

Commuters

ATR42	-320F	066	HA-KAG	Fleet Air International, ex G-ZEBS of Blue Islands. Converted to freighter and delivered on 5 September.
ATR72	-212A	585	HB-ALR	Zimex Aviation, ex 2-ASIA of Aircraft Solutions XIX SARL. Delivered on 13 September.
	-212A	723	EC-MZJ	Air Europa Express, ex OY-JZU of TAP Express. Operated by Aeronova. Delivered on 24 September.
	-212A	1121	ES-ATG	Nordica, ex OY-JZB of Jet Time. Delivered on 20 September. Operated for SAS.
Do228	-212	8321	G-ETAC	Aurigny Air Services. Delivered on 7 September.
Saab 340	A	112	ES-NSB	NyxAir, ex SE-LJM of NextJet. Delivered on 26 August.
Saab 2000		015	S5-AFG	Adria Airways, Ex HB-IZJ of Adria Airways Switzerland. Delivered in September.
		023	2-ROKK	Rockton Aviation AB, ex G-CFLV of Eastern Airways. Registered on 31 August.
		036	G-CDEB	Eastern Airways, ex HB-IZT of SkyWork Airlines. Registered on 17 September.

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



FlyBe introduced a new colour scheme early September. Bombardier Dash-8 Q400 G-JECP was the first aircraft to be painted in the new livery. The new scheme is a more simple purple variant than their older new paint scheme. Funnily enough, not all FlyBe aircraft have been repainted in the old "new" colour scheme, which was introduced in April 2014. So at the moment the FlyBe fleet is operating with three different liveries. FlyBe expects their complete fleet to be repainted over a six-year period. The schedule is based on when aircraft are in for maintenance, so the airline can minimize fleet disruptions. Interestingly this Dash was the one that suffered a gear collapse on 23 February 2017 at Amsterdam-Schiphol, during Storm Doris. It was only recently repaired and flown to Malta on 28 July, to be repainted into the above colours. (Southend, 17 September 2018, Shaun Simpson)

Propliners

CASA	295	167	5Y-TMP	DAC Aviation. Not a frequently used airplane reported for the civil market, the CASA 295, but on 27/28 August 2018 this brand-new all white example was delivered from the Sevilla factory to Nairobi.
DHC	3	82	FAP302	Panama Air Force, has been awaiting to be rebuilt for a while. Was noted with an almost complete fuselage, and an extremely long nose to house the new turboprop engine. Noted as such Campbell River (BC) September 2018.

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Douglas	C-54A	7488	PH-TAR	Aviodrome has repainted the DC-4 in their collection in full classic KLM livery, including fake registration PH-TAR, and named her the City of Rotterdam. Last official registration was PH-DDY. The airplane left the paint shop in Lelystad on 26 September 2018.
Lockheed	1649A	1038	N8083H	Trans World Airlines (hotel). Carlos Gomez and Roger Jarman together with a small team of technicians restored this Starliner in Auburn (ME). The airplane was stripped for spare parts during the restoration of the Lufthansa Starliner project. Now the airplane looks complete again and is freshly painted in full TWA colours. It is now expected to be transported by road to New York JFK in October 2018. Here the new hotel will feature this relic in its bar! Noted as such 19 September 2018.

Credits: Aad van der Voet, Michael Prophet, Ralph Pettersen (Conniesurvivors), online propliner and photo communities.

Fokker News

F27	-050	20111	5Y-MIS	Maandeeq Air, leased from Skyward Express. Already seen in April of this year at an unknown location, in basic Skyways colours and with Maandeeq Air titles.
	-050	20145	SE-	Amapola Flyg, ex OO-VLN Vizion Air. Last flight was on 29 August, as VO102 from London-City back to Antwerp. Left later that same day as VO9001 to Malmö-Sturup.
	-050	20151	SE-LIR	BRA Braathens Regional Airlines, ex Amapola Flyg. Visited Lelystad from Stockholm-Arlanda between 8 and 21 August. Was seen at Malmö-Sturup 23 August with BRA decals being applied.
	-050	20187	HK-	Gran Colombia de Aviación, ex YV2977 Avior Regional. Arrived at Alfonso Bonilla Aragón International Airport, Colombia, on 23 August.
	-050	20193	HK-	Gran Colombia de Aviación, ex YV2917 Avior Regional. Arrived at Alfonso on 22 August. Both Fokkers were in basic Avior colours and devoid of titles. Gran Colombia expects to secure its AOC by late September/early October and will take over all six Avior Fokkers, leaving 20195 YV2936 and 20237 YV3010 to be delivered. GCA is a foreign subsidiary of Aviones de Oriente (Avior) and was created to avoid the economic problems in Venezuela many believe to be created by President Nicolás Maduro.
F28	-050	20307	RP-C9981	LEASCOR, ex PK-TNS TransNusa Air Services. Left 9 September from Johor Bahru, Malaysia, to Clark-Diosdado, Philippines.
	-050		5Y-GIG	Bush Air Safari. Was seen at Mogadishu on 16 March already, but we are still looking for its previous identity! Any takers?
	-1000C	11074	TC-52	Fuerza Aérea Argentina. Last flight 31 August from Córdoba to El Palomar, prior to preservation.
	-0100	11280	VH-XWO	Alliance Airlines. Left Perth 22 August and arrived at Norwich three days later, using SX11806 as call sign. It will receive a maintenance check. Alliance Airlines has signed a contract with KLM UK Engineering in Norwich, which will overhaul its entire fleet of forty Fokkers over the next ten years!
	-0100	11361	OE-LVM	Austrian Airlines. Flew from Bratislava to Norwich on 6 September, as SX11828, prior delivery to Australia to operate for Alliance Airlines.
			VH-UQN	Alliance Airlines, ex OE-LVM Austrian Airlines. Registered 18 September, but still parked at Norwich, most likely still as OE-LVM.
	-0100	11483	VH-UQB	Alliance Airlines, ex OE-LVF Austrian Airlines. Already registered on 28 March, but has been parked at Bratislava ever since (in basic Austrian colours). Finally left Bratislava on 25 September and arrived at Brisbane (Qld.) on 29 September, having used call sign SX11808.

Credits: Walter Van Brempt, Merv Crowe, Skyliner.

Bizjets

BAe125	800XP	258609	4X-CUT	M-ABDP was cancelled on 23 August and taken up by Tamir Airways.
Cessna	560XL	5230	N809KF	Jet Sense Aviation Aircraft Holdings, ex OO-PGG. Registered on 28 August.
	560XL	5271	VT-DVV	Former G-CGMF was noted at Düsseldorf on 7 September.
	560XLS	5624	N44CD	Overhill Enterprises Jet, ex SE-RCM. Registered on 13 August.
	560XLS+	6051	YU-PBB	Air Pink, ex D-CKHK. Noted at Moscow-Vnukovo on 19 August.
	680	0253	N253TX	Fountain Creek Holdings, ex LX-DEC. Registered on 31 August.
	680A	0140	LN-NSM	Sundt Air, ex N137A. Registered on 25 August.
Challenger	300	20140	N703DD	Donair, ex VP-CDV. Registered on 16 August.
	300	20191	N600CF	TVPX Aircraft Solutions, re-registered from N600CF on 3 August.
	300	20242	C-GEVA	Irving Oil Transport, re-registered from C-FKCI on 16 August.
	300	20243	N304RJ	Katz Aviation Holdings, re-registered from N243RC on 21 August.
	300	20328	N339BV	Southern Live Oak, re-registered from N70FS on 9 August.
	350	20749	N350XA	Bombardier Aerospace, ex C-GOXG. Registered on 16 August.
	350	20750	N758QS	NetJets, ex C-GOXM. Registered on 31 August.
	350	20752	C-GEYJ	Bombardier, re-registered from C-GOXU. Registered to Irving Oil Transport on 27 August.
	350	20754	C-GDIL	Bombardier, test reg was C-GUGS. Registered on 20 August.
	601-3A	5050	N5783T	Paragon Aviation Group, re-registered from N651JP on 8 August.
	601-3A	5064	N611PR	BCC Ventures, re-registered from N811NC on 9 August.
	604	5421	N696KT	Emily Aviation, re-registered from N38VS on 14 August.
	604	5448	N69DT	Air Dan, ex A9C-MRM. Registered on 28 August.
	604	5532	T7-UNB	Dural Company, ex YL-SKY. Registered on 20 August.
	604	5566	N888QL	TVPX Aircraft Solutions, re-registered from N604PA on 14 August.
	605	5744	5N-ATA	M-NHOI was cancelled on 7 June and became 5N-ATA.
	605	5764	D-AFAC	FAI Rent-a-Jet, ex OE-ISU. Acquired in July.
605	5814	N777KD	Joelle Jet, ex VH-LVH. Registered on 3 August.	
605	5872	T7-VAS	ExecuJet Middle East, ex G-LTSK which was cancelled on 23 August.	
650	6050	9H-SIS	Elit'Avia Malta, ex C-GZKL. First noted at Malta on 4 August.	
650	6123	D-AWBF	Air Independence, a well-known long-time operator of Challengers has added its first Challenger 650 to the fleet. Delivered to Munich on 29 August, ex C-FAOF.	
Embraer	500	50000356	OE-FDW	Type of aircraft is EMB500 instead of EMB505. Correction to Scramble 472 – Page 31.
	505	50500300	T7-MSP	Former N330PF of Textron Aviation was recently sold to an unknown operator and added into the San Marino register.
	505	50500469	D-COZY	This brand new Phenom was delivered to an unknown operator in Germany.
Falcon	7X	49	N48JP	TVPX Aircraft Solutions, ex VT-RGX. Registered on 14 August.

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	7X	87	N919NE	Planet Nine Private Air, ez HZ-SPAH.
	7X	147	N8HP	TVPX Aircraft Solutions, ex M-FAAF. Registered on 30 August.
	8X	440	N225DL	Dassault Falcon Jet, ex F-WWVT. Registered in August, then registered to Aurora on 7 September.
	50	175	VQ-BZE	Flying Lion, ex N40GP. Registered on 21 August.
	900	89	OE-ITX	MHS Aviation, ex F-HKMO. Noted at Amsterdam-Schiphol on 13 August.
	900EX	15	N900EU	Bank of Utah, ex C-GOAG. Registered on 20 August.
	900LX	312	N47EG	Dassault Falcon Jet, ex F-WWFO. Registered on 21 August. Then registered to Wing and Rotor Transportation Holdings on 30 August.
	2000	134	N25KZ	Bentley International Air, ex N462ST. Registered on 23 August.
	2000	192	LV-HQC	Aerorutas, ex N710PM. Arrived at San Fernando on 21 August.
	2000LX	240	N606RB	MRB Aviation, ex M-STCO. Registered on 29 August.
	2000LXS	294	F-HFDP	Dassault Aviation, ex TC-SMC. Registered on 10 August.
	2000LXS	337	N200LX	Bank of Utah, ex F-WWGA. Registered on 21 August.
Global	Express	9043	M-AGMF	Unicom Three AG, ex D-AGMF of Air Independance. Registered on 21 August.
	Express	9124	N228SS	Registered on 26 July, ex N700GB.
	Express	9128	N300JA	Ex N613WE, on 10 September.
	XRS	9326	N26GX	Bank of America NA, ex VH-OCV of ExecuJet Australia. Registered on 25 August.
	XRS	9393	N93GX	Bank of America NA, ex VH-ICV of ExecuJet Australia. Registered on 24 August.
	5000	9453	N453JG	Ex M-BLUE (which is now a Global 6000, see below), registered on 19 September.
	5000	9516	D-AVBA	ProAir, ex N513AQ. Delivered late September and registered 14 September.
	5000	9528	B-602L	Ex N866LM of TVPX Aircraft Solutions Inc.
	5000	9810	XA-GRB	Delivered on 15 September, ex C-FVWD.
	5000	9846	C-FZYL	Delivered to Bombardier on 10 September.
	6000	9726	9H-JEH	Ex C-FLGZ, to Albinati Aeronautics on 16 September.
	6000	9779	N66866	Ex N760GF, registered to Bank of Utah on 13 September.
	6000	9816	CS-GLH	To NetJets Europe on 17 September, ex C-FWUO.
	6000	9820	N667JD	Delivered to Bombardier on 20 September, ex C-FXFU.
	6000	9821	M-BLUE	Ex C-FXRT, registered to Bluesky Aviation Group on 18 September.
	6000	9822	N595MP	Registered to Bombardier on 7 September, ex C-FXUE.
	6000	9824	N4444X	ex C-FXTY, registered to Bombardier on 18 September.
	6000	9844	C-FZLU	Registered to Bombardier on 16 August.
	6000	9845	C-FZYX	Registered to Bombardier on 28 August.
	6000	9847	C-GADH	Registered to Bombardier on 14 September.
	7500	70013	C-FXBX	Registered to Bombardier on 5 September.
Gulfstream	II	161	N735TG	Jetnet, ex XA-AHC. Registered on 24 August.
	IV	1063	9S-CGC	Government of Democratic Republic of Congo, re-registered from 9Q-CGC. First noted at Madrid-Barajas on 9 August.
	IVSP	1468	N684JC	CSFJ Consulting, re-registered from N814RP on 20 August.
	G400	1531	N516MC	Banc of America Leasing & Capital, ex A6-HHH. Registered on 17 August.
	G450	4154	N457FX	Flexjet, ex B-8155. Registered on 22 August.
	G450	4158	N700NY	Four M Aviation, re-registered from N973MC on 22 August.
	G450	4237	T7-LAI	Departed Moscow-Vnukovo on 12 August, ex OE-LAI.
	G450	4292	N219TF	Maple Holdings, re-registered from N449MB on 14 August.
	V	548	XA-AHC	XA-AHM was reportedly re-registered as XA-AHC recently.
	V	600	N444SC	Bank of Utah, re-registered from N444JZ on 14 August.
	G550	5019	N898AW	Richport Air, ex B-8270. Registered on 4 September.
	G550	5062	N158JA	eBay, re-registered from N159JA on 13 August.
	G550	5120	N949GM	Chasing Tails, ex B-8108. Registered on 27 August.
	G550	5198	N940TT	Bank of Utah, re-registered from N940CC on 8 August.
	G550	5535	N613LF	LFG Services, re-registered from N613WF on 20 August.
	NC-37B	5544	166379	Noted at Savannah (GA) on 24 May, ex N544GD. It will eventually be operated by VX-30 "Bloodhounds" of the US Navy from 2021 on.
	G550	5405	T7-AEG	ACASS Canada, ex B-8272. Noted at Beijing on 20 August.
	G550	5569	N551AV	Abbie Aviation Department, ex N569GA. Registered on 30 August.



Former HS-KPA was noted at Guernsey as PH-WTC on 25 July. It was ferried via Amsterdam to Paris-Le Bourget the following day. The current operator of this Falcon 2000S is still unknown. It also does not seem to be based in the Netherlands. (Guernsey, 25 July 2018, Andy Ozanne)



G-RORA is the oldest EMB550 operated by Centreline, with G-TULI being the newest one. There are currently five Legacy 500s on the British register. (Antwerp, 28 July 2018, Walter Van Brempt)

	G650	6075	N724AM	Edan, ex G-REFO. Registered on 7 August.
	G650ER	6226	N892SS	Horizon Aviation, ex N500SA. First noted on 18 August.
	G650ER	6253	B-602M	Rizhao Steel, ex N999HX. Delivered on 17 August.
	G650ER	6255	N1872	Delivered to Stewart (NY) on 10 August, ex N655GA. Registered to Bank of Utah on 10 August as well.
	G650ER	6290	2-KYCM	Delivered to Beijing on 23 August, ex N290GA. Operated by Business Aviation Services Guernsey.
	G650ER	6309	B-3326	Mandarin Air, ex N309GA. Departed Savannah for delivery on 8 July.
	G650ER	6319	N360LF	LFG Services, ex N319GA. Registered on 21 August
	G650ER	6320	B-602F	Delivered to Tianjin on 11 August, ex N620GD.
	G650ER	6325	B-602N	Departed Savannah (GA) for delivery on 24 August, ex N325GA.
	G650ER	6328	VP-CHK	Departed Savannah (GA) for delivery on 6 September, ex N628GA.
IAI	1124	228	N795FM	Apparently this aircraft was reactivated on 11 September.
	1125SPX	145	N145LP	Ex YV3194, on 12 September.
	1126	56	N21HK	Holmes Aviation LLC, ex XA-CBO of Aero Cabo, registered on 24 August.
	G150	298	N876GH	Ex N685JF, on 14 September.
	G200	62	N1819D	Bank of Utah, registered 24 August. Ex XA-DRE. Addition to Scramble 472.
	G200	110	C-FWZZ	Ex N489VC, registered to Novajet on 12 September.
	G200	113	N963EC	Ex N144JE, registered on 11 September, operated by Dallas Jet International.
	G200	162	N468JB	Registered on 7 September to G200 162 LLC, ex N331MT.
	G200	224	M-GZOO	Multiflight. Again in the Isle of Man register since 23 August. Had this reg also in 2009.
	G200	250	N100RM	SFG Aircraft on 30 August, ex PR-DEA
	G280	2146	N755PA	Delivered to MJL Air Partners LLC on 29 August, ex N246GA.
	G280	2157	N257GA	Delivered to Bank of Utah on 4 September.
	G280	2158	N258GA	Reserved on 13 August.
	G280	2160	N260GA	Reserved on 5 September.
Learjet	45	45-122	N42487	D-CQAA was reserved for more than a year, only stayed for a couple of weeks in the German register and was sold back to the U.S. to Southern Aircraft Consultancy Inc. Trustee.
	45	45-219	LN-AWB	Ex ZS-OPR of Fireblade Investments Ltd. was sold to Aircraft Invest A/S.
	45	45-470	F-HGLG	Former N19GR of Gorman-Rupp Co. was sold to Ixair in France.
Pilatus	PC-24	108	HB-VLX	Registered to Central Aviation AG, but operated by Premium Jet AG.
	PC-24	110	N979JB	Former HB-VSK of Pilatus Flugzeugwerke was sold Pilatus Business Aircraft Ltd. in the US in September.
	PC-24	111	LX-PCA	Former HB-VSL of Pilatus Flugzeugwerke was handed over to JetFly in Luxembourg on 17 September. This is the first of four ordered by JetFly.
	PC-24	114	HB-VSO	Registered to Pilatus Flugzeugwerke 22 August.
	PC-24	115	HB-VSP	Registered to Pilatus Flugzeugwerke 28 August.
	PC-24	116	HB-VSQ	Registered to Pilatus Flugzeugwerke 09 September. For JetFly.
	PC-24	117	HB-VSR	Registered to Pilatus Flugzeugwerke 16 September.
Raytheon	H-4000	RC-39	OY-JJS	Former N71956 of Rocket Air LLC was sold Sun-Air of Scandinavia.

Bizprops

Beech	C90A	LJ-1296	N92WE	Former F-GLRZ of Bluesky SARL was sold to Planemarketing LLC.
	B200	BB-210	N772DP	Former London Executive Aviation G-FRYI was sold for scrap to Dodson International Parts Inc. in Rantoul (KS).
	B250	BY-311	LN-BSA	Ex N311BY of Textron was sold to Iris Aviation Leasing Ltd.Nutrimar A/S in Norway. Operated by Babcock SAA FW AB.
Cessna	441	0209	N226MK	MMG Aviation, ex M-USHY. Registered on 20 August.
Pilatus	PC-6/B2-H4	1013	N122DM	Former HB-FBX of Pilatus Flugzeugwerke was sold to Dimor Aerospace Inc.
	PC-12/47E	1639	G-PCIZ	Former M-YAKW of Limbourne Ltd. was re-registered to the U.K. in August.
	PC-12/47E	1802	VH-IWO	Former HB-FSM of Pilatus Flugzeugwerke was sold to Royal Flying Doctor Service (Western Operations) in Australia.
	PC-12/47E	1812	N1600W	Former HB-FSW of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.
	PC-12/47E	1813	G-KFTI	Former HB-FSX of Pilatus Flugzeugwerke was sold Daki Aviation Ltd.
	PC-12/47E	1814	N814NX	Former HB-FSY of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.
	PC-12/47E	1815	N58CA	Former HB-FSZ of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August..
	PC-12/47E	1816	N816WA	Former HB-FQA of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.
	PC-12/47E	1817	N817NG	Former HB-FQB of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.

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	PC-12/47E 1818	HB-FXP	Registered to Pilatus Flugzeugwerke 12 August.
	PC-12/47E 1820	HB-FQE	Registered to Pilatus Flugzeugwerke 13 August.
	PC-12/47E 1821	N821NX	Former HB-FQF of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.
	PC-12/47E 1822	HB-FQG	Registered to Pilatus Flugzeugwerke 15 August.
	PC-12/47E 1823	HB-FQH	Registered to Pilatus Flugzeugwerke 21 August.
	PC-12/47E 1824	N820WA	Former HB-FQI of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.
	PC-12/47E 1825	HB-FQJ	Registered to Pilatus Flugzeugwerke 29 August.
	PC-12/47E 1826	HB-FQK	Registered to Pilatus Flugzeugwerke 02 September.
	PC-12/47E 1827	HB-FQL	Registered to Pilatus Flugzeugwerke 05 September.
	PC-12/47E 1828	HB-FQM	Registered to Pilatus Flugzeugwerke 10 September.
	PC-12/47E 1829	HB-FQN	Registered to Pilatus Flugzeugwerke 12 September.
Piper	42-720 5501020	N690E	Public Charters, ex G-MHAR. Registered on 8 August.
	46-500TP 4697010	N854LC	Intercontinental Commercial Aircraft, ex OK-CFB. Registered on 7 August.
	46-500P 4697562	N526AG	Registered to Southern Aircraft Consultancy Inc on 10 August. Delivered to Gamston on 23 August where it is now based.



Beech King Air 200GT EC-LJN is operated by the Institut Cartogràfic i Geològic de Catalunya. The institute also operates Cessna 208B EC-IRV, both in an equally colourful livery. Both still carry the titles of the institute's old name, the Instituto Cartográfico de Cataluña. (Barcelona, 19 August 2018, Robert Eikelenboom)

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 numbers. It can be downloaded free of charge together with production lists of all types included in the Soviet Transports database and a list of abbreviations, translations, location codes and a Google Earth KMZ file with all airports in the Soviet Transports database.

AK1-3	0086	JU9080	Aeroheli	rgd	2018	ex SP-YHC
An-2R	1G223-19	RF-02329(2)	privately owned	Sht	sep17	probably owned by V.S. Parsadanyan; no titles
An-2R	1G228-54	RF-02328	cream c/s, n/t	Sht	jul15	ex RA-33502
An-2R	1G230-17	RA-33580	not known	rgd	14jan14	seen in the Krasnodar region 08jul15/21jul18
An-2	---	RF-90541	Russian Air Force	ULY	07sep18	coded "07" yellow; with 'VKS Rossii' titles
Be-12	0 60 17 05	"87" yellow	Russian Navy	Yev	07sep18	seen preserved
Be-12N	3 60 28 03	RF-12013	Russian Navy	photo	sep18	coded "26" yellow; c/n not confirmed !
Be-200ChS	64620070307	RF-32768(2)	MChS Rossii	fff	25aug18	line # 03-07; opb Yuzhny RTs at Rostov-na-Donu
An-24RV	1 73 072 02	RA-47821	Polyarnyye Avialinii	YKS	20sep18	full colours and titles
An-24RV	3 73 087 07	RA-46620	Sirius Aero	Boi	16sep18	all white with RusLine titles
An-24RV	4 73 092 02	RA-46651	Sirius Aero		jun18	l/n ARH 16sep18 still with Nordavia titles
An-24RV	4 73 097 01	RA-46679	Angara 403 Airlines	IKT	03sep18	small 'Istlend'titles on port side; l/n IKT 12sep18
An-24RV	5 73 102 10	BNMAU-10210	MIAT-Mongolia	photo	dec77	destroyed during emergency landing Khuvsgul 1985
An-24RV	6 73 106 04	RA-47355	Angara 403 Airlines	IKT	19aug18	full c/s
An-24RV	6 73 107 06	RA-47362	KrasAvia		sep18	
An-24RV	---	4R-CAA	Civil Aviation Authority		jul18	at Anuradhapura Base, (N8.31046772, E8.42493439)
An-26B-100	107 02	RA-26039	Tomsk Avia	PKC	20aug18	still in full Tomsk Avia c/s, missing the nose cone
An-26B-100	119 07	S9-GRM	Malek Air	JUB	12feb17	c/n from russianplanes.net; ex ST-SAL
An-26M	133 05	RF-36111	Russian Air Force	Khb	15aug18	coded "29" red; c/n now known
An-26B-100	143 02	RA-26209	Petropavlovsk-Kam. Airl.	PKC	19aug18	titles and badge on the fin, missing propellers
An-26	---	RA-46549	Russian AF/AFL c/s	Iva	21aug96	not on Soviet or Russian Federation register

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An-26	---	70126	Chinese Air Force	photo	29aug18	at Hunan Aviation Museum, Changsha
An-28	1AJ 008-03	RA-28917	Siberian Light Av.	TOF	23aug18	full colour scheme and titles
An-30B	08 03	RF-36057	Russian Air Force	Iva	11aug18	reg not visible; c/n surmised but also carrying "83" red;
Ansats-GMSU	33 092	no reg	Vertolyoty Rossii	photo	aug18	displayed at the Gelendzhik "Gidroaviasalon" sep18
Il-20M	173 0115 04	RF-93610	Russian Air Force	w/o	17sep18	inadvertently shot down by Syrian ground forces
Il-22M-11	29640 10105	RF-75917	Russian Air Force	Iva	11aug18	'VVS Rossii' titles on the fin; ex RA-75917
Il-22M-11	---	RF-95678	Russian Air Force	photo	2018	'VVS Rossii' titles
Il-22M-11	---	RF-95681	Russian Air Force	CKL	jun18	'VVS Rossii' titles; l/n CKL 21aug18
Il-76MD	00134 34008	RF-86872	Russian Air Force	photo	25sep18	fresh from overhaul; ex RA-86872
Il-76MD	00434 55665	UR-76614	Ukraine AF, n/t	Mtp	14may13	stored; reported broken up jul18
Il-78	00534 59757 ?	RF-94280	Russian Air Force	Rzd	23aug18	coded "63" blue; 'VKS Rossii' titles; ex RA-76632 ?
Il-76TD	10234 12418	3C-6GE	Equatorial Guinea AF	f/n	26sep18	when flew Malabo-Rabat; ex RA-76446
Il-76TD	10234 12399	UR-CRN	Yevropa Air	rgd	15may18	f/n DWC jun18, in all-white c/s, no titles
Il-76MD-90	01-09	--	primer	ULY	aug18	marked '0109' on the forward fuselage
Ka-27M	---	RF-19128	Russian Navy	Kub	25aug18	coded "39" red; in grey c/s with 'MA VMF Rossii' titles
Ka-27PL	---	RF-57357	Russian Navy	Yev	07sep18	seen ; coded "85" yellow
Ka-226	5233954311201	RF-13350	Russian Air Force	Kub	21aug18	coded "416" yellow; c/n now known
Ka-226	---	RF-90602	Russian Air Force	Kub	25aug18	in camo c/s with VVS Rossi titles and Russian stars
Ka-226	---	RF-90605	Russian Air Force	CKL	sep18	in grey c/s with VVS Rossi titles and Russian stars
Ka-226	---	RF-90609	Russian Air Force	CKL	sep18	in camo c/s with VVS Rossi titles and Russian stars
L-410UVP	81 07 26	ES-PLW	Est. Border Guards	TLL	29jul17	canx between 13aug18 and 31aug18
L-410UVP	84 13 28	UR-TWO	South West	w/o	09dec18	crashed into Lake Yirol, South Sudan
L-410UVP-E20	91 25 30	TI-BGP	Skyway	SJO	31aug18	
L-410UVP-E	91 26 15	OK-WDT	Aeroservis	rgd	08jul18	ex E7-WDT
L-410UVP-E20	31 01	RF-67758	Russian Air Force	photo	01sep18	undergoing float trials on the river Volga at Volzhanka
L-410UVP-E20	---	RF-67742	Russian Air Force	Kub	25aug18	in all-grey c/s; 'VKS Rossii' titles
L-410UVP-E20	---	RF-67756	Russian Air Force	CKL	2018	in all-grey c/s
L-410UVP-E	---	RF-94603(4)	DOSAAF Rossii	ABA	04aug18	in silver c/s not match with the colours of any other RF-94603(1), (2) or (3)



Let-410UVP-E20 c/n 3101 registered OK-JPT was delivered to Russia 21 July 2016 and is one of the at last seventeen L-410s delivered to the Russian Air Force in the last two years. It became RF-67758 and was painted in basic 'blue' Aeroflot colours with a Russian flag on the fin, no titles. It underwent trials on skis in spring 2017, landed on the Barneo ice strip at N89° on 18 April 2017. Floats were installed by the UZGA-Ural Plant of Civil Aviation this July 2018 and it was seen undergoing float trials on the river Volga at Volzhanka on 1 September 2018 and displayed at the Gelendzhik "Gidroaviasalon", held from 6-9 September 2018. (Alex Snow)

Mi-1T	6 7 025 07	CCCP-L0142(1)	AFL/Sykyvkar	dbr	19jul57	when the pilot committed mistakes on final approach
Mi-2	51 2619 102	no reg	no titles	photo	05sep18	at Uitmarkt Emmen Stadsbbq edition 2018; ex SP-SXD
Mi-2	5210336 087	UR-23262	Merydian	dam	13jul18	on a crop-spraying flight in the Bobrovysya district
Mi-2	5310705 088	RA-14096	Aeroural	Che	sep18	in blue/white c/s with a red cross
Mi-4	08 77	CCCP-66838	AFL/Far East	toc	28oct58	w/o 11may60; canx 25may60
Mi-4A	04 79	CCCP-66868	AFL/Krasnoyarsk	toc	aug59	not c/n 0877 as reported before
Mi-4A	15 133	CCCP-48973(2)	MARZ DOSAAF	Che	24aug18	fake registration applied on a sticker 24aug18
Mi-8KP	21 58	"71" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-8T	9 73 23 19	"66" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-8T	9 73 27 11	"89" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-8T	9 74 43 14	"88" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-9	9 80 88 06	"95" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-8MT	9 4548	"63" yellow	Ukraine Army Aviation	w/o	24jun14	c/n known now; see on-line database for details
Mi-8MT	9 4618	"16" yellow	Ukraine National Guard	w/o	29may14	c/n known now; see on-line database for details
Mi-8MTV-1	9 5047	RF-28506	FSB	dam	13sep18	when made a hard landing near Yamsk
Mi-8MTV-2	9 5214	"25" yellow	MNS Ukrayiny	dam	06sep18	on a fire-fighting mission in Kharkiv region
Mi-8MTV-2	9 5268	"94" red	Soviet Army Aviation		01jan82	opb 442 ovp BiU at Zhovtnevoye
Mi-8MTV-1	9 5650	RA-25502	Angara	w/o	02sep18	encountered poor visibility and crashed into a mountain
Mi-8MTV-1	9 5952	ER-MHR	Valan	w/o	02sep18	crashed in Afghanistan shortly after take-off
Mi-8AMT	8AMT01643115704U	RF-39102	Russian Air Force	CKL	sep16	with 'VVS Rossii' titles

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Mi-8AMT	8AMT00643167544U ?	RF-04474	Russian Air Force	Kub	24aug18	coded "72" yellow; with 'VKS Rossii' titles
Mi-8AMT	8AMT00643177686U	RA-22836(2)	not known	rgd	06aug18	see c/n 7636
Mi-8AMT	8AMT00643177704U	RA-22846(2)	Vertolyoty Rossii	GDZ	06sep18	Natsionalnaya Sluzhba Sanitarnoi Aviatsii' titles
Mi-8MT	---	RF-91199	Russian Air Force	Gmv	03aug18	coded "66" red; probably opb 33 otsap at Levashovo
Mi-17-1V	---	"160" yellow	Azerbaijani Air Force	photo	jun18	in olive drab/sand camo c/s with light grey underside
Mi-8MTV-5	---	"85" white ?	Belarus Air Force	d/d	oct16?	f/n Grodno region 18aug18
Mi-17-1V	229M02	ER-MYM		no	reports	rgd between 05mar18 and 05sep18; ex OB-2048-P
Mi-171Sh	---	"40" red	Kazakh Air Force	Rzd	06aug18	
Mi-171Sh	---	"45" red	Kazakh Air Force	TSE	23may18	
Mi-172	646C08	9XR-OQ	Rwanda Government	LED	14aug18	in bronze/black c/s with a small Rwandan flag, no titles
Mi-8MT	---	"232" yellow	Ukraine Army Aviation	photo	22aug18	
Mi-8MT	---	"236" yellow	Ukraine Army Aviation	photo	22aug18	
Mi-8MT	---	"833" yellow	Ukraine Army Aviation	photo	22aug18	
Mi-14	---	"38" yellow	Ukrainian Navy	photo	22aug18	over Kiev; in grey c/s with a Ukrainian Navy flag
Mi-24V	353242 10 14573	"78" yellow	FSB	photo	27jul18	preserved at skver Pogranichnikov at Tyumen
Mi-35P	353201 29 13138	"1108" yellow	Vertolyoty Rossii	Kub	18aug18	c/n as '3532012913138' on a plate
Mi-24P	340 335	335	Hungarian Air Force		10sep18	flown on An-124 RA-82010 from LED to Kecskemet
Mi-24P	340 336	336	Hungarian Air Force		10sep18	flown on An-124 RA-82010 from LED to Kecskemet
Mi-24P	---	RF-91080	Russian Air Force	photo	24aug18	at Stepnoye; coded "23" red; with 'VKS Rossii' titles
Mi-24P	---	RF-95315	Russian Air Force	photo	24aug18	at Stepnoye; coded "21" red; with 'VKS Rossii' titles
Mi-35M	---	10071	Venezuelan Army	Ccl	03jul18	
Mi-26T	34001212120	RA-06260	United Nations	Tjp	19aug18	
Mi-28N	34012843266	RF-95302	Russian Air Force	Kub	24aug18	coded "201" blue; in grey c/s with 'VKS Rossii' titles
Mi-28N	---	RF-13453	Russian Air Force	photo	08sep18	coded "72" red; in camo c/s with 'VVS Rossii' titles
Mi-28N	---	RF-95330	Russian Air Force	Kub	24aug18	coded "206" blue; in grey c/s with 'VKS Rossii' titles
Mi-28NE	---	"1707" yellow	Vertolyoty Rossii	Kub	21aug18	
RRJ-95B	95 161	RA-89110	Aeroflot	rgd	23aug18	named 'M. Gromov' (Mikhail Gromov); h/o 31aug18
RRJ-95B	95 165	RA-89116	Aeroflot	h/o	07sep18	named 'K. Rokossovsky' (Konstantin Rokossovski)
RRJ-95B	95 166	RA-89115	Aeroflot	h/o	24sep18	named 'V. Polenov' (Vasilii Polenov)
RRJ-95	95 167	97017(4)	primer	ff	10jul18	ferried via OVB to ZIA 17jul18
RRJ-95	95 170	97010(6)	primer	ff	sep18	
RRJ-95	---	97018(2)	primer	ff	01aug18	
Tu-134AK	63998	RA-65565	UTair Express	UFA	12sep18	seen there complete so not b/u
Tu-154M	89A808	RA-85658	Continent	NSK	17aug16	stored; canx between 20jul18 and 24aug18; reported scrapped sep18
Tu-154M	92A908	RA-85832	Continent n/t	DME	apr18	stored; canx between 20jul18 and 24aug18
Tu-154M	96A1016	OK-BYZ	Czech Government	UHE	aug18	now repainted as OK-BYZ
Tu-204-300	145074 . . 64053	64053	OAK	GDZ	07sep18	'OAK' titles; l/n GDZ 09sep18
Yak-12R	07 4 03	CCCP-L5820	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-07820	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12R	10 4 04	CCCP-L5884	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-07820	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12DU	13 4 17	CCCP-Sh5948	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-95948	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	02 5 07	CCCP-05709	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-05709	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12Skh	02 5 10	CCCP-L5717	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-05717	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12M	02 5 11	CCCP-05719	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
Yak-12M	02 5 23	CCCP-L5726	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-05726	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12Skh	03 5 04	CCCP-L5750	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-05750	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	03 5 13	CCCP-05756	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-05756	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	04 5 14	CCCP-L5991	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-95991	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12Skh	04 5 15	CCCP-L5992	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-95992	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	04 5 16	CCCP-L5993	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-95993	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	06 5 39	CCCP-74063	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74063	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	07 5 01	CCCP-L4060	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74060	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12SKh	07 5 25	CCCP-74067	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74067	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12SKh	08 5 16	CCCP-L4083	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74083	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61; soc 05feb69 as worn out
Yak-12M	09 5 03	CCCP-74150	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74150	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	09 5 06	CCCP-L4152	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74152	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	09 5 15	CCCP-L4162	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-74162	AFL/Urals/KRO	no	reports	opb 01nov61



Tu-154 HA-LCA was delivered to Malev on 5 September 1973. It was converted to a Tu-154B-2 in 1979 and made its last flight as a freighter, without cargo door installed, on 8 July 1993. It achieved a total time of 24,526 hours and 15,258 cycles. There after it was used as an anti-terrorist trainer at Budapest-Ferihegy, without titles and markings. She moved to the Aeroplex ramp in July 2018 and went into the hangar to be repainted in its 1973 Malev colours, just like as it was delivered back in 1973. (Budapest August 2018, Endre Zsaludec)

Yak-12SKh	11 5 01	CCCP-L4228	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-14228	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 5 17	CCCP-L4245	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-14245	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 5 18	CCCP-L4246	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-14246	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 5 21	CCCP-74130	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 5 29	CCCP-L1430	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58; registration also might end at a 8 !
Yak-12M	14 5 18	CCCP-L1059	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-21059	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12SKh	14 5 19	CCCP-L1062	AFL/Urals	SVX	aug58	opb the Uralskoy OAG GVF 01nov58
		CCCP-21062	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12M	16 5 28	CCCP-T423	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-56423	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	16 5 33	CCCP-T424	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-56424	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	18 5 19	CCCP-56493	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
Yak-12Tr		CCCP-56493	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12M	18 5 21	CCCP-T495	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-56495	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	21 5 26	CCCP-L4247	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-14247	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	21 5 27	CCCP-14297	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
Yak-12M	22 5 27	CCCP-L775	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-72775	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	22 5 28	CCCP-L776	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-72776	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12DU	28 5 37	CCCP-21114	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	28 5 40	CCCP-T1010	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-21010	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12M	28 5 73	CCCP-T176	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
Yak-12M	31 5 02	CCCP-40729	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-40729	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	31 5 11	CCCP-40738	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-40738	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12A	02 6 27	CCCP-22393	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12A	04 6 01	CCCP-90545	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-90545	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12A	04 6 07	CCCP-90551	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-90551	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	04 6 39	CCCP-90582	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-90582	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	06 6 17	CCCP-90640	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12A	07 6 29	CCCP-90686	AFL/Urals		photo	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12A	10 6 09	CCCP-26640	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	10 6 12	CCCP-40790	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12A	10 6 14	CCCP-40792	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	10 6 15	CCCP-40793	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12A	10 6 33	CCCP-56510	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12A	11 6 21	CCCP-56538	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12A	11 6 33	CCCP-72658	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12A	11 6 36	CCCP-72661	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12LP	14 6 10	CCCP-14146	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12LP	14 6 11	CCCP-14147	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12LP	14 6 25	CCCP-14161	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	6 12 7 84	CCCP-72749	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12M	6 12 7 111	CCCP-40866	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61

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Yak-12Tr	6 12 7 112	CCCP-21115	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12M	6 12 7 114	CCCP-07873	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	7 12 7 155	CCCP-40866	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	9 8 214	CCCP-62645	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-62645	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	10 8 286	CCCP-22201	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-22201	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12M	10 8 291	CCCP-22211	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-22211	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12M	10 8 292	CCCP-22209	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-22209	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 8 366	CCCP-22255	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-22255	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12M	11 8 367	CCCP-22256	AFL/Urals	no	reports	opb the Uralskoy OAG GVF 01nov58
		CCCP-22256	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12M	13 8 498	CCCP-22326	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 092	CCCP-44405	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 093	CCCP-44396	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 094	CCCP-44397	AFL/Urals	no	reports	opb the 246 AO Uralskoy OAG GVF 01nov61
Yak-12LP	3 9 095	CCCP-44398	AFL/Urals/KRO	no	reports	opb 01nov61
Yak-12A	3 9 096	CCCP-44399	AFL/Urals	no	reports	opb the 123 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 097	CCCP-44400	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 098	CCCP-44406	AFL/Urals	no	reports	opb the 122 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 099	CCCP-44402	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12A	3 9 100	CCCP-44401	AFL/Urals	no	reports	opb the 124 AO Uralskoy OAG GVF 01nov61
Yak-12	---	CCCP-Sh5926	Aeroflot		photo	in all-dark green c/s, also coded "11"
Yak-12	---	CCCP-U5942	Aeroflot		photo	in all-dark green c/s
Yak-12	---	CCCP-14219	Aeroflot		photo	in all-dark green c/s
Yak-12	---	CCCP-62610	Aeroflot	photo	1958	in all-dark green c/s
Yak-12	---	CCCP-62627	Aeroflot		photo	in medium blue c/s with dark blue cheatline
Yak-12	---	CCCP-74093	Aeroflot			soc 10jun69 as worn out
Yak-12	---	CCCP-90646	Aeroflot		photo	badge on the fin
Yak-18A	---	CCCP-81412	Aeroflot		photo	also coded "5"; another photo exists without code
Yak-18A	---	CCCP-81419	Aeroflot	photo	1962	in all-dark green c/s, also coded "16"
Yak-18A	---	CCCP-81423	Aeroflot		photo	in all-dark green c/s
Yak-18A	---	CCCP-82799	Aeroflot		photo	in all-dark green c/s, also coded "10"
Yak-18A	---	CCCP-82802	AFL/Buguruslan Fl. School	photo	1969	in dark green c/s; another photo exists, also coded "15"
Yak-18A	---	CCCP-82829	Aeroflot		photo	in all-dark green c/s
Yak-18A	---	CCCP-82835	Aeroflot		photo	in all-dark green c/s
Yak-18A	---	CCCP-82858	Aeroflot		photo	in all-dark green c/s
Yak-40	9 54 17 45	RA-87494	Vologda Air Enterprise	VKO	13jun16	no titles; operator from RP; I/n ARH 20aug18
Yak-42D	452042 30 16 230	RA-42384	Turukhan	OMS	16sep18	ex Izhavia c/s with Turukhan titles; I/n OMS 19sep18
KJ500	47 18 03	30078	Chinese Air Force	photo	01sep18	at Changchun-Dafangshen AFB
Y7G	---	55011	Chinese Air Force	FUO	06sep18	ex B-6xxx
Y9	---	LH951091	Chinese Army	URC	16aug18	

PH register

Newly registered aircraft:

PH-AWA	Cessna 152	15285528		24jul18	Ex N93637.
PH-BHP	Boeing 787-9	42506		16aug18	KLM. Name: "Tulp" / "Tulip".
PH-FEE	Ultramagic S-70	70/03		04jul18	Ex G-CIAH.
PH-FEN	Aerospool Dynamic WT9 LSA	18005		02jul18	
PH-GRY	Fokker S.11-1 Instructor	6280		17jul18	Ex PH-GRY, 197, E-37.
PH-HEI	Dyn'Aero MCR Club	PFA301-14704		31jul18	Ex G-CFSK.
PH-JCW	Cameron Z-180	11346		07aug18	Ex OO-BGS.
PH-KJP	Ultramagic M-160	160/84		05jul18	"De Klussenier" advertisement.
PH-LIC	Cameron Z-250	12203		11jul18	"Licor 43" advertisement.
PH-NIP	Cameron N-105	4803		23jul18	Ex D-OFHH.
PH-REH	Dyn'Aéro MCR 4S	82		19jul18	Ex OY-PIA.
PH-RKY	Ultramagic M-90	90/174		11jul18	Special shape, dog's head.
PH-TMI	Cameron Z-90	4672		30aug18	Ex G-BYOX.
PH-VCC	Diamond DA 62	62.085		13jul18	
PH-WMO	Diamond DA 62	62.104		02aug18	
PH-WTC	Dassault Falcon 2000EX	707		26jul18	Ex HS-KPA, M-LCFC, F-HCRK, ES-TEP, F-WWGG.
PH-7P4	Nirvana Rodeo 125	612487		20jul18	
PH-193	Slingsby T30A Prefect	736		30aug18	Ex PH-193.
PH-1595	Rolladen-Schneider LS 4-a	4210		12jul18	Ex HB-1683.
PH-1605	Avionautica Rio M-100S	029		19jul18	

Change of ownership:

PH-DGY	Mooney M20K	25-1145	05714	16jul18	
PH-EWG	Tecnam P2008 JC	1106		05jul18	
PH-GGG	Piper PA-28RT-201T	28R-8131186	05972	04jul18	
PH-MYX	Cessna 650	650-7117	07325	02aug18	
PH-NLB	Piper PA-34-220T	3449020	06663	20jul18	
PH-OMP	Piper PA-28-181	28-7890124		05jul18	

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PH-SHC	Glasair Sportsman 2+2	7254	07909	06aug18
PH-TMH	Piper PA-38-112	38-79A0261	02906	30jul18
PH-TYR	Cameron N-77	2267	07028	13jul18
PH-UGS	Piper PA-28-161	28-7916340	02860	05jul18
PH-VSF	Cessna F172L	F17200877	07981	03jul18
PH-4E4	P&M Aviation QuikR	8467	07824	11jul18
PH-4E5	P&M Aviation QuikR	8468	07825	11jul18
PH-4K2	Tecnam P92 Echo	1409	07821	30aug18
PH-7U5	Miniplane Top 80 ABM	801502010	08494	30aug18
PH-8U2	Pap Team PAP 1400 T	3E70	08000	17aug18
PH-8Z3	Fresh Breeze Airboss 122	1923	20907	20jul18
PH-9F1	Fresh Breeze XCitor	W09XCR1287BF63089	20853	30aug18
PH-9F2	Parasport Fun-Alu 125	JB1960	20855	05jul18
PH-203	Slingsby T34A-1	821	07720	31jul18
PH-210	Wolf-Hirth Gövier III	420	00525	23jul18
PH-319	Sagitta 013	013	06810	31jul18
PH-396	Schleicher Ka-6E	4251	01451	23jul18
PH-1130	Schleicher Ka-6E	4014	05543	30jul18
PH-1582	Standard Libelle 201B	251	09191	09aug18
PH-1600	Diamond HK-36TTC	36.680		25jul18

Cancelled from register:

PH-ABW	Fokker 100	11493	09527	13jul18
PH-AMY	Cameron Z-90	11843	08335	17jul18
PH-CJX	Beech G58 Baron	TH-2499		22aug18
PH-CTR	Cessna 680	680-0525	08297	24jul18
PH-HHT	Fire Balloons G	1523	07956	22aug18
PH-JBI	Cessna R172K	R1722969	03760	20jul18
PH-KZH	Fokker 70	11583		20jul18
PH-KZI	Fokker 70	11579	05348	10jul18
PH-MJC	Stidham HE Spezio DAL1	162	08014	13jul18
PH-SAL	Cameron A-275	10724	06752	04jul18
PH-TRA	SOCATA TB-21	2199	08634	10jul18
PH-9G6	Fly Products Gold 130+	M2 4787	20844	30aug18
PH-9S6	Fresh Breeze Monster	245	20715	29aug18
PH-397	Schleicher Ka-6E	4234	01432	30jul18

More than one year without valid airworthiness document.
To Thailand.
W/o Münster-Osnabruck, 9 August 2018.
To N680JC.
Withdrawn from use.
To Germany.
To 5B-DDI.
To Suriname.
More than one year without valid airworthiness document.
Withdrawn from use.
To Austria.
More than one year without valid airworthiness document.
Withdrawn from use.
To Germany.

Credits: Inspectie Leefomgeving en Transport, ballonregister.nl.



Back in July of this year there was a Dutch event called The Flying Dutch, where various DJs travelled between the cities of Amsterdam, Rotterdam and Eindhoven by helicopters. On 15 September the organisers of TFD (as it is known) combined their efforts with De Vrienden van Amstel LIVE! and created De Vliegende Vrienden van Amstel LIVE! Like with TFD all performers were transported by helicopters, and one of them was the above AS350B3 PH-ITI of Heli Centre. It is adorned in the national colours of Holland, the De Vliegende Vrienden van Amstel LIVE! logo and all performers on that day. They visited Amsterdam, Eindhoven and Zwolle. (Zwolle, 15 September 2018, Remco de Wit)

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During the last weekend of August the Nationaal Militair Museum at Soesterberg organised the Luchtvaartdagen. The storage hall was open and some twenty aircraft were parked outside. One of them was Greek RF-84F 11253, painted in Dutch colours as TP-19. (25 August 2018, Mat Herben)

Netherlands

Nieuw Vennep
NX537/G Auster AOP3 (R-7), PH-NIN, preserved **462** Sep18
The former Deelen Auster is now on display at the Vliegtuig-compagnie collection at the Lucas Bolsstraat 7.

Rijen
147204 CH-147D instructional, hulk **M3058** sep18
The former Canadian Chinook was delivered on 21 September to the Gate 2 Rotary Wing Training Center (RWTC) at the Ericssonstraat 2.

Austria

Zeltweg
GF-16 S105 preserved, Tiger c/s **105416** aug18
3E-KG Alouette 3 V-278, preserved **154/1100** aug18
Two aircraft have been added to the Fliegermuseum. The Alouette is ex Swiss and came from Aigen.

Bulgaria

Bardarski Geran
The pole mounted MiG-17, currently marked as 130, is actually 144. In the past it carried serial 100 and 120.

Pelishat
Updating Scramble 469. It is only MiG-17 29 (marked as 122) which is here. The location of MiG-015UTI 121 is unknown.

Yastrebin
Photos from shortly after the MiG-19 arrived at the school shows it having serial 935. It is not 938 as previously thought.

Czechia

Chrudim
(E.3B-589) CASA 1131E D-EELE, ex Líně, ex Spain aug18
Zlin 126 259/OK-JLE was dismantled in a corner of the hangar, damaged after an accident.

Frydlant nad Ostravicí
Preserved MiG-21F-13 0107 has been sold to a private owner in Slovakia around May 2018.

Kroměříž

(96+26) L-18C D-EBYX, ex Luhačovice aug18
L-4J 44-80511/LN-PAM is still under restoration.

Koněšín

3008 MiG-15bisSB preserved **713008** sep18
The ex Jasenná MiG has been added to the museum.

Kunovice
2347 L-39ZA preserved, ex Kbely **232347** sep18

Ex Air Force Tu-154M 1016 has been put on display and is painted in its previous markings as Government OK-BYZ. The museums L-29 0113 is in the aero club hangar under restoration.

Líně Dobřany

(ES.1-4) Bu133C G-BUTX aug18
(KK502) Argus 3 (CN-TNV), restoration **1120** aug18

With the Classic Trainers ex Spanish Bu131 has been replaced by ex Spanish Bu133C. The Argus (also ex UC-64K 44-83159) is under long term restoration. The South African AT-6C 7696 is now painted as RAF FX352/11.

Podhořany

R5426/40 Tiger Moth D-EDHA, ex Heringsdorf aug18
After N9503/G-ANFP, this is the second Tiger Moth here. Both are in the same hangar with the same owner.

Zruč

315 NC702 stored, ex Hradec Králové aug18
The cockpit of MiG-21MF 9409 has been sold to a collector in Čáslav. Expected later this year is Tu-134A SP-LHE.

Denmark

Nexø
346 SBLim-2 014, preserved **1A-06014** sep18
The MiG arrived on 1 April at the Bornholmertærnet at Strandmarksvejen 2 on the Bornholm island. It came from Bagenkop.

France

Etain (55)
3529/GJD SA342M stored **1529** aug18
The Gazelle is on the fire dump of the ALAT base.

Paris Balard (75)

Base Aérienne 117 will get an aircraft again. In the past they used to have a CM170 and Mirage 3E. Currently under restoration at Châteaudun is Rafale C 01, which will be delivered to Balard later this year.

Toulouse Blagnac (31)

25 Super Etendard preserved, ex Hyeres **25** jun18
26/AY Mirage 4P preserved, ex Châteaudun **26** aug18
Both have arrived at the Ailes Anciennes Toulouse collection.

Germany

Röcknitz (ST)
0217 Mi-24D preserved **340217** sep18
The Mi-24 at the Red Star company has been identified as a former Přelouč aircraft. It is not visible from outside and

prior permission to see it is required.

Bo105P

On 18 September 2018 Bo105P 87+64 (l/n Straubing) and 87+68 (l/n Celle) were both seen at Grand Central airport Johannesburg.

Poland

Bielsko Biala – Aleksandrowice (SLK)

(OC-1) SC7-3M-400 SP-HIP, ex Botswana **SH1962** aug18
(663) Yak-12M SP-AWG, yellow c/s **169663** aug18

The Yak-12 came from Miedzybrodzie Zywieckie. Still stored in a hangar in a sorry state is Yak-12M 531/SP-AAF. The Skyvan was still in its Malaysian colours from when it was 9M-PIH, it is missing its propellers.

Butryny (WMZ)

2131 Mi-2URN preserved, ex Drzewce jun18
The Mi-2 is at the Rozrywki Park Bartbo at N53.60015, E20.57589.

Dawrowa Gornicza (SLK)

MiG-21M 1811 has moved from its original position north of the town towards the town center at N50.31811, E19.18461.

Deblin Irena (LBL)

The base was checked during the open day in August.

1623 TS-11 preserved, near ATC **3H-1623** aug18

The other preserved aircraft (Su-22s 3508, 9512 and TS11s 1113, 1609) were also seen.

6924 Mi-2URPG instructional, ex Inowroclaw aug18

The technical school hangar had the same aircraft as listed in EMOOS, new here is the Mi-2 above. Note that the SW-4 in the school hangar is still an operational aircraft. Noted in the past was 6619, this time it was 6612.

The academy itself had the previously listed PZL130TM 007, Yak-40 048 (both outside) and TS-11 1105 plus:

2702 Mi-2RM instructional **552702122** aug18

1608 TS-11 instructional **3H-1608** aug18

0607 SW-3W instructional, ex airfield aug18

Stored in a line near the SW-4/Mi-2 ramp and awaiting sale to museums and collections are:

2706 Mi-2RM stored **552706122** aug18

5748 Mi-2D stored **515748108** aug18

7341 Mi-2URPG stored **567341012** aug18

1606 TS-11 stored **3H-1606** aug18

1607 TS-11 stored **3H-1607** aug18

1612 TS-11 stored **3H-1612** aug18

1614 TS-11 stored **3H-1614** aug18

1615 TS-11 stored **3H-1615** aug18

1617 TS-11 stored **3H-1617** aug18

1622 TS-11 stored **3H-1622** aug18

1624 TS-11 stored **3H-1624** aug18

1626 TS-11 stored **3H-1626** aug18

1630 TS-11 stored **3H-1630** aug18

1705 TS-11 stored **3H-1705** aug18

1718 TS-11 stored **3H-1718** aug18

Stored in the Mi-2 hangar are:

4712 Mi-2P stored **534712036** aug18

5338 Mi-2R stored **565338117** aug18

5831 Mi-2D stored **515831108** aug18

(6608) SW-4 stored, wreck **660304** aug18

The fuselage of an An-2 lies in the disused para-training area (N51.55261, E 21.86235).

1464 An-2P stored, fuselage **1G114-64** aug18

New in the museum is:

1715/9 TS-11 preserved, Iskry c/s **3H-1715** aug18

Kazmierz Wielkopolski (WKP)

(8855)/07 MiG-21bis stored, ex Tumlin 75078855 aug18

The MiG-21 is stored in the yard where also pole mounted TS-11 1810 is preserved.

Ponurzyca (MAZ)

(0613) MiG-21PF preserved **760613** aug18

The former Jozefow MiG has been discovered here (N52.00100, E21.39537). It is here since at least May 2011.

Radom (MAZ)

1610 TS-11 preserved, ex Deblin **3H-1610** aug18

The Iskra is parked at N51.40133, E21.16350.

Torun (KPM)

(123) Yak-12A SP-YWZ, ex Poznan **30123** aug18

Although it was noted at Lesno Strzyzewice, it is said to be based at Torun.

Warszawa Bemowo (MAZ)

The two tone grey TS-11 at the Instytut Techniczny Lotniczych has been identified as TS-11F 1705 (noted jul17, ex Kielce, N52.25000, E20.93258).

Gone

Gone by August 2018 from their known positions are the unknown Lim-2 at the school at Biala Podlaska (was at N52.03728, E23.10104), MiG-21MF 8910 from Bialystok, Mi-2R 3623/SP-FSF from Deszczno, Mi-24 cabin along the fence at Inowroclaw, Mi-2 0617 from Mostki, TS-11 321 from Olchowa (the other five aircraft are still present), Lim-1 850 from Pila Koscielcka and gone from Warsaw are Il-14 3037, TS-8 0918/SP-CNZ and MiG-15UTI 315.

Slovakia

Kosice

3010 MiG-15bisSB preserved **713010** aug18

This is new in the museum, it came from Kralovsky Chlmec.

Spain

El Escorial

E.20-6/42-63 Be95-B55 stored **TC-1459** sep18



TS-11 1615 heads the line of twelve stored Iskras at Deblin. (23 August 2018, Leonard van Teeffelen)

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At first glance this may look like a wooden play thing. Most people would not take note of it but a closer inspection noted that a real airframe was used. According to the owner it is L-4J HB-ODE (ex 44-80570). Instead of fabric it simply has wooden planks. (Tringen, 16 September 2018, Otger van der Kooij)

The Beech, still in full Spanish colours, is at a new paintball site north of the town (N40.61613, W4.11407). It used to be at Cuatro Vientos.

Switzerland

Payerne

HW-310 Hawk Mk51 stored **311207** aug18

The expected Finnish Hawk was noted in the Clin d'Ailes hangar in late August. It was not seen in mid September, probably away for restoration.

Sion

C-509 C3605 HB-RDH, ex Bex **289** sep18

(42-16936) PT-13D N450D, pink c/s **75-5099** sep18

06 yellow Yak-9UM HB-RYA, new build **0470406** sep18

All three are with 46aviation (www.46aviation.com). They have a hangar in the Farmer area. Also in this hangar is Hunter F58 J-4086/HB-RVU (ex Altenrhein).

Zofingen

(M-019) Alouette 3 HB-XOE, instructional **1019** sep18

The former Sion and Danish Alouette is in use as instructional airframe inside with the Bornack company at the Untere Brühlstrasse 11.

Turkey

Yesilyurt

68-0348 F-4E preserved **3402** sep18

The Phantom arrived on 10 September as the first aircraft for the Beylerderesi Sehir Parkı project. This should become a collection of aircraft and tanks. Yesilyurt is near Malatya.

United Kingdom

Bawtry, South Yorkshire

(XZ211) Lynx AH7 stored **127** jun18

ZD255/635 Lynx HAS3GMS stored **262** jun18

ZD263/632 Lynx HAS3 stored **299** jun18

XL840 Whirlwind HAS7 stored **WA202** jun18

Some helicopters are with Bawtry Paintball on the A638. The main outer gates need to be open for anything to be seen. Even then, only the Lynx AH7 (displayed on top of an ISO

container) and Lynx HAS3 ZD255 (in woods on the approach to reception) are visible without actually entering the active paintball area.

Bentwaters, Suffolk

19252 T-33A ex France, USAF c/s **7036** jul18

The Bentwaters Cold War Museum took delivery of a T-33 from Tangmere during July.

Humberside IAP

ZJ800/BC Typhoon T1 instructional **BT001** sep18

The RJ Mitchell Aircraft Maintenance Academy took delivery of a Typhoon on 13 September 2018. It was trucked in from RAF Coningsby.

Kegworth, Leicestershire

XZ177 Lynx AH7 preserved **038** jun18

A Lynx is preserved inside the entrance of the Delta Force Paintball site on the north side of the A453, close to Junction 24 of the M1. It used to be on an ISO container, but is now sitting inside the entrance. It is visible when the site is closed.

Lasham, Hampshire

New at the gliding heritage centre is Laister-Kauffman TG-4A (42-53027/C-FRAH), which came from Brantford, ONT.

Portsmouth, Hampshire

XT778/430 Wasp HAS1 preserved **F9660** aug18

A Wasp arrived from storage at the FAA museum's Cobham Hall on 10 August 2018. It is displayed in the Victory Arena complex in Portsmouth Naval Base.

RAF Scampton, Lincolnshire

(J-736) Hunter T72 PP-XHH **HABL003031** sep18

Hawker Hunter Aviation have acquired an ex Embraer chase plane.

RAF Syerston, Nottinghamshire

ZA267 Tornado F2 **A02** sep18

An ex GIA from RAF Marham had appeared here by August, presumably for further training use.

Credits: Arthur Bijster, Laurent Heyligen, Stefan Jongen, Dave Lee, Rich Mackeen, Terry McGreade, Paco Rivas

Dustpan & Brush



During an air show at Roodewaal, South Africa, South African Air Force Oryx 1228 touched down hard, causing the boom to snap off, as can be seen in the picture above. It appears that a phenomenon called vortex ring state was to blame for the event, which is also known as settling with power, and is a dangerous condition that may arise in helicopter flight, when a vortex ring system engulfs the rotor causing severe loss of lift. (Roodewaal, 18 September 2018, Charles Hugo)

New Accidents:

25aug18 PR-VCV PA-34-220T **34-7870267** w/o

A private Piper Seneca II was found in flames between the cities of Barretos and Colina, in the interior of São Paulo. Officials at a sugar cane plant saw the aircraft and used a kite truck to contain the fire. Firefighters and police were called in and found that there were no casualties on the scene. Seems like it might have been used in the illegal narcotics trade.

26aug18 F-5F w/o

An Islamic Republic of Iran Air Force (IRIAF) F-5F Tiger II crashed during a training mission in the south-western Khuzestan province, Iran. The pilot perished, while the co-pilot survived and was hospitalised. The Tiger II tried to land on the runway of Dezful Air Base when things went wrong. The IRIAF states that a "technical malfunction" caused the crash.

27aug18 N327LX Falcon 2000EX **327** dam

While taxiing towards the platform at San Fernando International Airport, Argentina, the left wheel of the Dassault Falcon Jet Falcon 2000EX separated from the aircraft, leaving it leaning on its left wing and twisting the gear.

27aug18 5Y-BOP Ce208B **208B-0642** dam

Holy cow! Safarilink Aviation Cessna Grand Caravan was taking off from the Pieri Airstrip, South Sudan, when a cow emerged on the runway, which the crew could not avoid anymore. Result: heavy damage to the Cessna and a dead cow... This is not the first 'game'-hit this Cessna suffered, as back in 2011 it hit an antelope on landing.

28aug18 B-6952 A320-214 **5331** dam

Capital Airlines flight JD5759, from Beijing-Capital to Macau, diverted to Shenzhen Airport, China, after sustaining damage in an apparent hard landing at Macau Airport's runway 34. The aircraft departed Beijing Airport at 08:17 local time in the morning, with nine crew members and 157 passengers. During the flare to land at Macau the aircraft encountered wind shear (something the Chinese pilots use as an excuse for a hard landing) and touched down hard, causing damage to the nose landing gear and one engine. The nose wheel bogey broke away during an attempted landing at Macau Airport at 11:15 local time. The crew performed a go-around and entered a holding pattern before they decided to divert to Shenzhen Airport, where the aircraft landed at 11:58 on runway 34 and everybody evacuated via slides. At the time of the incident a thunderstorm was passing overhead Macau.

28aug18 160097/97 T-2E **396-39** w/o

A T-2E/C Buckeye of the Elliniki Polemiki Aeroporia (EPA, Hellenic Air Force) crashed near Tripoli, Greece, around 09:00 local time. At the time they were practising spin recoveries when something went wrong and the jet crashed. Both pilots ejected, one was found alive while the instructor sadly did not make it. The aircraft came down some seven miles north of Sparta, near the village of Vlahokerasia. The Buckeye took-off from home base Kalamáta for a standard training mission. The aircraft is assigned to 120 PEA that operates with two squadrons, 362 MEA Nestor and 363 MEA Danaos.

28aug18 LZ-1409 An-2R **1G202-17** dam

During a crop spraying flight the Air Mizia Antonov An-2R impacted high voltage wires between Brusartsi and Dabova Mahala in Bulgaria. Part of the vertical stabilizer was severed but the pilot managed to perform a safe landing in a field.

28aug18 XB-KQF Ce310Q **310Q-1131** w/o

One person died and the other was seriously injured after this private Mexican Cessna crashed under unknown circumstances at Villa de Zaragoza, San Luis Potosi, shortly after departure from San Luis Potosí International Airport.

30aug18 ET-AIU/808 DHC-6-300 **822** w/o

All eighteen onboard this Ethiopian Air Force Twin Otter perished, after it crashed in Ethiopia, at Nannawa area Lumme district near Modjo town, some 75 kilometres south-east of Addis Ababa, and burst into flames. Some reports suggest that seventeen instead of eighteen persons died in the crash. Many news outlets also reported that a helicopter was involved. However, photos posted by state-affiliated fanabc.com show the wreckage of a DHC-6. Exactly what happened is unclear, only that it took off from Dire Dawa-Aba Tenna D Yilma Airport for a flight to Bishoftu-Harar Meda Air Base. It has been confirmed that the serial was indeed 808, but the tie-up with the civilian registration still remains a question mark.

30aug18 N1876L Beech B60 **P-386** w/o

The Henry Leasing Beech Duke impacted woodland while on approach to land at Eglin Air Force Base (FL). The aircraft sustained substantial damage. All four occupants, the pilot and three passengers, died in the crash. It originated from Toledo Express (OH).

31aug18 Sea King HC4+ w/o

One crew member did not survive the crash of a Pakistan Bharia (Pakistan Naval Aviation) Sea King into the Arabian

Sea, off the South Sindh province. It was on a routine patrol operation when it crashed under unknown circumstances. It is reported that a Sea King was involved, and to be specific, one that was acquired from UK surplus stocks in 2017. Pakistan bought seven Sea Kings from the UK, three for active service and four for spare parts use.

31aug18 VQ-BJI B737-8AS 29937 w/o

The UTAir Boeing came in during very poor weather conditions at Sochi, as flight UT579 out of Moscow-Vnukovo, when it overran runway 06. Onboard were six crew members and 164 passengers. After the overrun it was unable to stop within the remaining distance. It overran, went through a perimeter fence and down an embankment. It lost its undercarriage and came to rest in a dry and rocky zone of the Reka Mzymta River. The right outer wing broke and fuel tanks were ruptured, resulting in a fire. The nose gear and left main gear were torn away while the forward fuselage, the entire left wing, and both engines received severe damage. During the ensuing evacuation eighteen occupants were injured, the others remained unhurt. The only person to die was the airport shift supervisor, one of the first responders to the accident, who died of a heart attack at the scene.

The aircraft was initially vectored for an approach to runway 02 by approach, however, runway assignment was changed to runway 06 due to the deteriorating weather conditions. The Boeing aborted the first approach to Sochi's runway 06, descending through about 2,300ft, due to changing winds, positioned for another approach to runway 06 and went around from about 400ft, again due to changing winds. It positioned for the third and last approach to runway 06 which ended in the runway overrun about thirty minutes after the first aborted approach and about eleven minutes after the go around.

On 14 September Russia's Rosaviatsia reported the aircraft performed a CAT IIIa ILS approach (in other words, an auto-land approach) to runway 06, in weather conditions not really suitable for such an approach (RVR [Runway Visible Range] was well above the limits for such an approach, however there was windshear reported). The runway was covered with three millimetres of water, a storm warning was effective for Sochi. According to preliminary data the aircraft touched down 1,300 metres past the runway threshold, leaving the crew unable to stop the aircraft before leaving the runway. It overran runway 06 by 140 metres, broke through the airport perimeter fence and fell into the river bed, with the left engine catching fire.

31aug18 N10DS Beech 95-B55 TC-943 dam

A Beech Baron of Performance Products Plus impacted cornfield terrain shortly after a hurried take-off from Waupaca Municipal Airport (WI). It sustained substantial damage and the sole pilot onboard was seriously injured.

01sep18 9N-AHW BAe4100 41078 dam

A Yeti Airlines Jetstream, operating flight YT1424 from Nepalgunj to Kathmandu-Tribhuvan Airport, Nepal, veered off Kathmandu's runway 02 and came to a stop off the runway. The crew radioed they were on the grass. Five passengers were seriously injured while the aircraft sustained substantial damage (at least nose gear collapsed). Onboard were three crew members and 21 passengers.

02sep18 ER-MHR Mi-8MTV 95952 w/o

Twelve out of the fourteen persons (two pilots and ten passengers) onboard the Valan International Cargo Charter Mi-8 perished, after it crashed during take-off from the Shaheen Corps headquarters in Afghanistan. A post-impact fire erupted, causing the death of those twelve unlucky persons. Onboard the helicopter were three Ukrainian crew members, four public order police soldiers, four army soldiers, and two national police soldiers. The helicopter was reportedly chartered by the Afghanistan Army.

02sep18 RA-25502 Mi-8MTV-1 95650 w/o

The Angara Airlines Mi-8, flying a charter to the Siberian Scientific Research Institute of Geology, Geophysics and Mineral Raw Materials, located in Novosibirsk, Novosibirskaya oblast, crashed in daylight 290 kilometres south-east of Ust-Kut. All three crew members died in the crash.

03sep18 N97WC Beech B200 BB-1382 dam

Not many details are known about this incident, only that the West Coast Aircraft Shares Beech Super King Air collided with a tree while taxiing at Burbank-Bob Hope Airport (CA).

04sep18 MiG-27 w/o

A Bharatiya Vayu Sena (Indian Air Force) MiG-27 of the 32 Wing, based at Jodhpur AFS, crashed near Devalia village, Jodhpur, state of Rajasthan. It came down under unknown circumstances on a routine training mission, but the pilot was able to eject to safety. It had taken off from Jodhpur's air base, and crashed shortly after getting airborne in a field and burst into flames.

05sep18 N505HA SA341G 1022 dam

A private American Aérospatiale Gazelle lost altitude on departure from Kortrijk-Wevelgem Airport, Belgium. It subsequently struck the perimeter fence, came down from a



Boeing 737-800 S2-AJA of US-Bangla Airlines had to perform a nose-gear up landing at Chittagong Airport, Bangladesh, after the nose-gear failed to extend on the approach to Cox's Bazar. Chittagong has a longer runway and was therefore more suitable for this type of landing. The pilots executed a by the book approach and landing, as can be seen on YouTube videos. It was seen departing Woensdrecht on 10 October 2016 by Johan Havelaar.

Personal copy



Two Mi-8 incidents in the Ukraine in a short space of time. First it was Mi-8 ER-MHR of Valan International Air Cargo (which crashed on 2 September) and second was Mi-8 25 yellow of the Ukraine Ministry of Emergency Situations, with four people onboard. This one also crashed during an emergency landing while trying to scoop water from the Berestov River, but was only damaged. Here it is seen in happier days on the ramp at Nizhyn on 26 April 2018, still in the old colour scheme, by Ian French.

height of about sixty feet and rolled onto its left hand side. None of the four occupants were injured.

05sep18 PR-GVJ Beech C90GTx **LJ-2145** w/o
Having taken off from Belo Horizonte-Pampulha at 7am in the morning, with the pilot and five passengers, this Textron Aviation Beech King Air crashed on the approach to its final destination, a farm house in the town of Confresa, about 1,160 kilometres from Cuiabá in Mato Grosso. It was attempting to land at a dirt strip next to the farm when it came down under unknown circumstances and was damaged beyond repair. One occupant received fairly serious injuries, while the others only minor ones. The Beech was quite new, having been delivered in December 2017.

06sep18 AH-6i w/o
A Saudi Arabian National Guard AH-6i Little Bird crashed at Riyadh-Khasm Al An airport, during an early morning training mission. Unfortunately the American instructor pilot was killed in the accident, while his Saudi student managed to escape alive but was badly injured. At Khasm Al An the 1st Aviation Brigade is based, equipped with AH-6i, AH-64E, UH-60M and MD-530Fs.

06sep18 C-GLKX Ce340A **340A1221** w/o
Following a loss of engine power, the Flex Air Services Cessna 340 impacted open fields near Yager Road, east of Wadhams Road, while on the way to St. Clair County International Airport (MI). The Canadian registered aircraft sustained substantial damage and the sole pilot was fatally injured. It had taken off from St. Thomas Municipal (Ont.) for the flight.

06sep18 UR-MHP BK117C-2 **9238** w/o
Two people were badly injured when the private BK117 crashed early morning at Trukhaniv Island, Ukraine. According to the Dnipro Police Department the chopper came down in a forest near a nudist beach at Trukhaniv Island, a little island group in the Dnjepr river, central Kiev city, at 07:22 local time.

06sep18 TC-HYU Bell 430 **49123** w/o
Ünver Aviation lost this Bell 430 after it crashed into the sea, off the coast of Bostanci, Kadiköy district. Early press reports indicate the chopper encountered poor weather conditions. Both occupants initially survived the crash and were rescued, but the passenger later succumbed to his injuries in hospital. The departure airport was located in the Kartal district on Istanbul's Asian side and it was headed to the Sefaköy neighbourhood of the Küçükçekmece district.

06sep18 25ye Mi-8MTV **95214** dam
A second helicopter incident occurred in the Ukraine. A Mi-8MTV of the Ukraine Ministry of Emergency Situations, with four people onboard, crashed during an emergency

landing while trying to scoop water from the Berestov River. The Mi-8 was performing a fire fighting mission, together with a Ukrainian An-26, near Kharkiv, Ukraine. None of the crew members were injured. The Mi-8 already logged some twelve droppings during the firefighting when it was forced to land in the Krasnogradsky forests near the village of Natalino. The helicopter landed on a muddy shore of the river when things went wrong.

07sep18 C-GPMY Bell 206L-1 **45732** dam
A Bell 206L-1 Long Ranger of Estrie Hélicoptères was on a local flight in accordance with visual flight rules from Sainte-Madeleine (Que.) with only one pilot onboard. While the aircraft was in cruise flight in the Saint-Pie area, a power loss was observed, and an autorotation in a corn field was completed. It ended with a hard landing, and the aircraft collapsed on its skids. Inspection of the aircraft revealed significant damage to the tail boom, and to the vertical stabiliser. No one was injured.

08sep18 9N-ALS H125 **8264** w/o
Six out of the seven occupants died after the Altitude Air Airbus Helicopters H125 (the new name for what used to be known as the AS350B3e) was reported missing between Samagaun and Kathmandu, Nepal. At the time it was airlifting a patient along with other passengers. Last radio contact was at 08:05 local time, with the chopper supposed to land at 08:18 at Kathmandu. Onboard were a pilot and six passengers: a Japanese tourist and five Nepalese persons were onboard. It crashed in a dense forest, there was no fire on impact, bad weather conditions and rugged terrain delayed the rescue team on scene. A Nepal Army helicopter and a private chopper were sent to the crash site.

09sep18 UR-TWO L-410UVP **841328** w/o
A Let L-410 of South West, owned by Slaver Company, crashed into Lake Yirol, South Sudan, killing nineteen out of 23 persons onboard. The rescue and recovery was done by local fishing boats present at the accident site. Low visibility contributed to the accident. South West was chartered to carry out a passenger flight from Juba to Yirol City. The aircraft was owned by Slaver Company, Ukraine, as of April this year. It had been overhauled in 2016-2017 after having been stored for eight years. It was first seen at Rwanda in December 2017 with 'South West' titles and logo.

09sep18 N2707J Ce335 **335-0023** w/o
A Cessna C335 of Nova Aviation crashed and burned approximately one mile north-east of Palm Beach County Park Airpor (FL) at about 10:40am, having earlier departed from Key West. It came down in John Prince Park Lake Worth, killing both occupants.

10sep18 I-ISAR AS350B2 **2576** w/o
 The pilot of this EliCampiglio Aérospatiale AS350 Ecureuil lost control and rolled over after touching down in a field near Merano, Italy. At the time it was engaged in maintenance/inspection work on power lines. Luckily both occupants were not injured.

10sep18 Mi-8 w/o
 Not much to say about this crash, involving a Mi-8 of the Syrian Arab Air Force, other than that it was damaged beyond repair in a possible forced landing accident at Hama.

11sep18 T-38C dam
 A T-38C Talon II trainer of the United States Air Force crashed after it departed the runway during take off from Sheppard AFB (TX), with both pilots ejecting safely and were being taken to local medical centres. After examination their condition was determined to be stable. The Talon, belonging to 80th Flying Training Wing, crashed at about 10:13 am local time and an investigation into its causes has begun.

In addition to training US pilots, the 80th Flying Training Wing teaches the fighter pilots of fourteen NATO allies as part of the Euro-NATO Joint Jet Pilot Training Program. This programme trains half of the Air Force's fighter pilots and conducts all fighter pilot training for NATO allies Belgium, Denmark, Germany, the Netherlands and Norway, the 80th's website mentions.

12sep18 CH-47C dam
 Not much yet is known about the mishap involving this IRIAF (Islamic Republic of Iran Air Force) Chinook. Only that it sustained substantial damage to the rear rotor and it was forced to make an emergency landing near Karaj, Iran.

13sep18 RF-28506 Mi-8MTV-1 **95047** dam
 The Russian Federal Border Guards had one of its Mi-8s sustained substantial damage in a hard landing incident at Yamsk, Olsky district, Magadan Region. Onboard were three persons one of whom was injured and the other two not.

14sep18 AH-64D w/o
 Two pilots were killed when a Royal Saudi Land Forces AH-64D Apache crashed in Al Mahrah Province in the southern Arabian Peninsula around 10am local time. Although war is going on in the area between an Arabic coalition, led by Saudi Arabia, and the Yemen Houthis, the helicopter crashed due to technical problems as reported by Saudi officials.

14sep18 Mi-17 w/o
 A Mi-17 of the Afghan National Army crashed as a result of a technical malfunction and caught fire on impact. All five

occupants died in the crash. It took off from 207th Zafar Military Corps base headed for Farah, when it came down in Rannng village, Khaksafid district, Farah province.

14sep18 NX139PJ L-39 **232226** dam

14sep18 NX139UK L-39C **031822** dam
 Aero-Vodochody L-39C Albatros "Race 13", NX139UK and owned by Black Rock Aero, experienced an inflight contact with L-39 "Race 37", being N139PJ of MPE Enterprise, near pylon 4 during Jet Heat 2B at the 2018 STIHL National Championship Air Races at Reno-Stead Airport (NV). Both aircraft returned for an uneventful landing but received substantial damage.

Here is a video of the mishap and how the aircraft returned to land: www.youtube.com/watch?v=hAtIm_uenpA

15sep18 PR-RFB Beech C90A **LJ-1546** w/o

Gambatto Veículos lost this Beech King Air when it impacted the top of a mountain in Serra Alta in Ipumirim, Santa Catarina, Brazil. The Beechcraft burst into flames after impact, killing the pilot and sole occupant. The cause for this CFIT incident (Controlled Flight Into Terrain) is yet to be determined.

17sep18 RF-93610 Il-20M **173011504** w/o

Sadly all fifteen onboard the Russian Air Force Il-20M ELINT/SIGINT (Electronic Intelligence/Signals Intelligence) aircraft died when it was reported lost over the eastern Mediterranean Sea. It operated from the Russian base Khmeimim Air Base near Latakia, Syria. The aircraft disappeared from radar, some 22 miles off the coast, around 23:00 hrs local time. Even though Israeli Vipers were seen nearby (carrying out an attack on Syrian targets in the province of Latakia) it later turned out that Syrian ground forces accidentally downed the spy plane, using the S-200 missile (SA-5). The Russians were pushed into the firing line by the attacking F-16s, hence they suspected the Israelis of having downed the Ilyushin. President Putin later cleared the air by stating that Israel was not responsible and saying that a tragic series of events led to the crash.

17sep18 Mi-17 w/o

A Mi-17 of the Sudanese Air Force crashed during landing at Nyala Airport as the result of a technical malfunction. A fire broke out but luckily nobody got injured.

18sep18 1228 TP-1 Oryx **28** dam

During an air show at Roodewaal, South Africa, the SAAF (South African Air Force or Suid-Afrikaanse Lugmag) Oryx touched down hard, causing the boom to snap off. All onboard got out swiftly and nobody was injured. It appears



Two Aero-Vodochody L-39 Albatros' hit each other during the 2018 STIHL National Championship Air Races at Reno-Stead Airport (NV), on 14 September. L-39 "Race 37", being NX139PJ of MPE Enterprise, was hit near pylon 4 during Jet Heat 2B but was able to make a safe landing, despite sustaining substantial damage. David Alders saw the Albatros at Oshkosh (WI) on 25 July 2018.



T-6A Texan II 05-6209/RA, assigned to 559th Flying Training Squadron/12th Flying Training Wing based at Randolph AFB (TX), crashed under unknown circumstances near the base, at the Rolling Oaks Mall. The Texan is seen here taxiing out for departure for a local training mission on 19 July 2018. (USAF photo/Rich McFadden)

that a phenomenon called vortex ring state was to blame for the mishap, which is also known as settling with power, and is a dangerous condition that may arise in helicopter flight, when a vortex ring system engulfs the rotor causing severe loss of lift.

18sep18 05-6209/RA T-6A **PT361** w/o
A T-6A Texan II, assigned to the USAF's 559th Flying Training Squadron/12th Flying Training Wing, crashed under unknown circumstances near Randolph AFB (TX), at the Rolling Oaks Mall. It was the second mishap for the USAF's Air Education and Training Command (AETC) with on 11 September a T-38C Talon crash during take-off from Sheppard AFB (TX).

18sep18 N109BG BAe125-700A **257157/NA0310** dam
During very good weather conditions the Aviation Leasing Group Hawker experienced a runway excursion during landing at Santa Fe Regional Airport (NM). It came to rest in the grass, sustaining substantial damage, but there were no reported injuries among the five occupants.

19sep18 MiG-31BM w/o
A Russian Federation - Aerospace Forces (RF VKS) MiG-31 crashed at about 15:30hrs Moscow time near the town of Kulebaki, close to Nizhniy Novhorod, which is some 250 kilometres east of Moscow. Both pilots are reported to have ejected safely from their aircraft. The Foxhound belonged to Savasleyka airbase, which is relatively close to Nizhniy Novhorod. Russian emergency services responded to the crash and said that there is no further damage on the ground as the MiG fell in a forest area. The MiG-31 was flying a training mission. Eyewitnesses reported that the fighter burned in the air before it hit mother earth.

20sep18 N121AK DHC-2 **121** dam
Two of the seven occupants onboard the Rainbow River Lodge Beaver received minor injuries when it impacted trees during take-off, near Igiugig (AK). The floatplane sustained substantial damage.

20sep18 ES114 NH300C **030** dam
The Breda Nardi NH300C of the Hellenic Ellinikos Stratos (Army Aviation School) made a forced landing in a field due to a loss of engine power, some 700 metres from Alexandria Airport. It was damaged but the pilots were uninjured.

21sep18 VH- Bell 206L dam
GBR Helicopters's Bell Long Ranger suffered a hard landing north of Cooktown (Qld.), after which a passenger complained of spinal discomfort. The Australian Civil Aviation

Safety Authority (CASA) had been notified and GBR is now assessing whether the chopper is a write-off or not.

23sep18 N9RW DHC-2 **1095** dam
This float-equipped Beaver of T-Corp collided with a river bank at the Kukaklek Lake in Alaska. The de Havilland DHC-2 sustained substantial damage and the occupant(s) onboard received minor injuries.

25sep18 N241CK Beech 200 **BB-272** w/o
The pilot and sole person onboard the Kalitta Charters Super King Air, was completing ferry flight K9-85 from Detroit-Willow Run (MI) to Oscoda-Wurtsmith (MI). While approaching by night he lost control of the airplane and crashed in flames in a wooded area, located about four miles short of the runway 06 threshold. The aircraft was destroyed by impact forces and a post-crash fire and the pilot was killed.

26sep18 S2-AJA B737-8Q8 **30039** dam
US-Bangla Airlines flight BS141 diverted to Chittagong Airport, Bangladesh, after the nose landing gear failed to deploy while on the approach to Cox's Bazar Airport. The Boeing had departed Dhaka, Bangladesh at 11:48 hour's local time on a domestic service to Cox's Bazar when on the approach to runway 17 the flight crew selected the undercarriage down, but the nose landing gear failed to deploy. At 12:26 the crew executed a go-around and circled the field several times (including a low pass to check the gear status), but the nose gear would still not deploy. They decided to divert to Chittagong Airport, which has a longer runway, and also a higher firefighting category (7 as opposed to 5). The aircraft overflew runway 23 at Chittagong Airport once before a forced landing was executed at 13:16 hours. It came to rest seventy metres short of the runway 05 threshold and about 210 metres short of the runway end, including the paved stop way and Runway End Safety Area (RESA, used in the calculation for landing). Once the aircraft was stopped an emergency evacuation was carried out and all seven crew members and 164 passengers got out OK.

Here are some YouTube videos of the incident:

www.youtube.com/watch?v=zShjdITsbRs

www.youtube.com/watch?v=jt1AFkjuEpM

27sep18 N114TD Falcon 50 **17** w/o
EMAS tried but failed... EMAS, or Engineered Material Arresting System, is installed at Greenville Downtown Airport (SC)'s runway 01/19, but it did not help the Air America Flight Services Falcon 50, as it still overran runway 19, broke into two parts after it went down a twelve metre drop-off and crashed

through a perimeter fence before coming to rest on Airport Road, about 150 metres from the end of the runway. Two occupants were injured and sadly the pilot and co-pilot were killed.

27sep18 JA Ce208 w/o

A Japanese Cessna 208 apparently crashed into the Pacific Ocean, 120 kilometres east of Sendai. The sole Norwegian pilot was missing. It had taken off from Saipan, Commonwealth of the Northern Mariana Islands at around 07:00 Japan Standard Time (JST) for an international flight to New Chitose, Japan, with an estimated flight time of nine hours. Though the position report at 10:23 JST was normally established, the next report planed at 11:44 JST was not received by the Japanese ATC. Two F-4 Phantoms of the Japan Air Self-Defense Force (JASDF) noticed the aircraft flying normally at 14:50 JST over the Pacific Ocean, but could not establish any radio contact with the flight. They lost the Caravan due to clouds. Radar contact with the flight was lost at 15:28 JST. A few hours later, at 17:23, they located a part of the Cessna floating on the water. Needless to say the aircraft crashed and the pilot was killed. It sounds like perhaps the pilot lost control due to a lack of oxygen and passed out...



Boeing 737 P2-PXE of Air Niugini is seen here in the Chuuk lagoon, in various stages of sinking. The pictures are taken from various websites and Twitter.

28sep18 16..../VM.. F-35B w/o

The first ever (USMC) F-35 Lightning II crash! The unfortunate fighter came down five miles outside MCAS Beaufort (SC) just before noon, according to the Beaufort County Sheriff's Office. It came down near Clarendon Road and Joe Allen Drive in the Grays Hill area, the sheriff's office said in a news release. The Lightning II belonged to VMFAT-501 Warlords ('VM-xx'). Exactly what happened is not yet known, but the pilot managed to eject safely.

28sep18 P2-PXE B737-8BK 33024 w/o

An Air Niugini Boeing 737-800 apparently undershot on approach to runway 04 at Chuuk International Airport, Weno Island, Micronesia. It ditched in a lagoon about 150 metres short of the runway threshold. The aircraft remained more or less intact after the impact and stayed afloat long enough for all twelve crew and 35 passengers onboard to escape. The accident happened in daylight but in poor weather conditions with heavy rain and low cloud, associated with local thunderstorm activity. The aircraft was operating a flight from Pohnpei, Federal States of Micronesia, as PX73. US Navy sailors assigned to Underwater Construction Team (UCT) 2 was conducting operations at the time of the accident and rendered immediate assistance to the passengers and crew. They assisted local authorities by shuttling passengers and crew to shore using their inflatable boat prior to the plane sinking in approximately 100 feet of water. UCT 2's embedded chief hospital corpsman provided medical attention to at least one passenger, who sustained minor injuries.

28sep18 FT-7NI w/o

28sep18 NAF812 FT-7NI TP1707 w/o

Two Nigerian Air Force Chengdu FT-7NI's had a mid-air collision overhead Katampe, near Abuja. One pilot died, the other ejected safely. How the mid-air accident happened is not yet known.

Credits: ASN, Aviation Herald, FlightGlobal, JACDEC, navy.mil, Ptisi Magazine, Wikipedia.



The pilot of EliCampiglio Aérospatiale AS350 Ecureuil I-ISAR lost control and rolled over after touching down in a field near Merano, Italy. At the time it was engaged in maintenance/inspection work on power lines. Luckily both occupants were not injured. Walter Heukensfeld saw the chopper at Amsterdam-Schiphol on 8 May 2010.

Military News & Updates



Stunning shot at Gilze-Rijen of this AH-64D. No more words needed. (13 September 2018, Jimmy van Drunen)

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

Europe

Belgium

Luchtcomponent/Composante Air/Air Component [AF]

F-16AM
FA130 2w ex 10w **6H-130** sep18

Denmark

Flyvevåbnet (AF)

T-17
T-409 FLSK ex Aalborg Flt **15-209** sep18
T-410 FLSK ex Skrydstrup Flt **15-210** sep18
T-430 FLSK ex Skrydstrup Flt **15-230** sep18

Estonia

Eesti Piirivalve (GV)

Late in 2016, the Ministry of the Interior of Estonia announced the purchase of a King Air 350i with a new MSS 7000 maritime surveillance system from Bromma Air Maintenance (BAM) at Stockholm-Bromma airport (Sweden) for its Police and Border Guard. The MSS 7000 is the latest generation of airborne maritime surveillance systems from ST Airborne Systems and replaces the previous MSS 6000 platform. The Estonian Border Guard currently utilizes a MSS 6000 system aboard an L-410 aircraft (since 2007). The King Air 350i will be the first aircraft to feature the new system along with Estonia being the first country to have it. The Beech 350iER was transferred from Wichita (USA) to Bromma (Sweden) in August 2017. SE-LXY first flew on 27 February 2018, and was finally delivered to Tallinn on 15 June. A ceremony to celebrate the delivery was held on 20 June at the Border Guard station in Tallinn.

Beech 350iER
ES-PKY ex SE-LXY, N137KF, d/d 15jun18 **FL-1037**

Finland

Ilmavoimat (AF)

Hawk Mk51
HW-310 Payerne ex wfu Halli **312207/207** aug18
This Hawk will be painted in Swiss Air Force colours and put on display.

Germany

Luftwaffe (AF)

Until 17 September Wittmund's TLG71 temporary deployed to Laage Air Force Base, near Rostock, due to runway repairs at their home base. The following units were deployed to their sister unit TLG73 at Laage:

30+14, 30+23, 30+32, 30+33, 30+57, 30+58, 30+71, 30+78, 30+86, 30+87, 30+89, 30+90, 31+07, 31+08 and 31+12.

TLG74 is currently deployed for the NATO Baltic Air Policing mission to support the Belgian Air Force which is deployed at Siauliai, Lithuania. The Germans will operate out of Amari Air Base, Estonia.

It will be the German Air Force's fourth time as augmenting nation and their ninth overall contribution to this mission. TLG74 will be deployed at Amari Air Base from September 2018 till April 2019.

Laage is currently building a Main Operation Base to train for complex missions in the nearby future and therefore several German Air Force squadrons will be deployed to this airbase. The main goal for this deployment is to handle complex technical and logistical challenges. For this occasion, TLG31 (EF-2000) and TLG33 (Tornado IDS) will deploy aircraft to Laage Air Base from 8 until 19 October.

A321-231
98+10 to become 15+04 ex D-AISE **1214** aug18
Last month we mentioned the official handover of this ex Lufthansa A321-231 to the German Air Force. We mentioned the new serial 15+04 which is wrong. The aircraft is currently marked with temporary serial 98+10 and will become 15+04 in the near future.

Greece

Elliniko Polemiki Aeroporia (AF)

On Tuesday 28 August 2018 a T-2E buckeye was lost during a flight instructor training course. This was the second T-2E lost in a relative short period after the previous accident on 3 January 2018. The Hellenic Air Force General Staff has appointed an expert committee to investigate both accidents.

The Greek government announced an upgrade of their F-16 fleet on 28 April 2018. The Air Forces operates approximately 150 F-16s, and Prime Minister Tsipras stated that the aircraft that have been in service since 1989 are in risk of becoming inoperable and outdated without the upgrade.

The decision to proceed with the upgrade of the F-16 fleet was based on preliminary approval by the US. The fiscal obligations of the country have been carefully taken into account with this "revised" decision. The initial proposal was to upgrade a total of 120 F-16s and was discussed during the visit of Prime Minister to the United States last October. Due to heavy criticism concerning the price tag which was approximately USD 2.4 billion for the upgrade of 120 aircraft, the number of aircraft was reduced from 120 to 85 aircraft, reducing the total cost to USD 1.1 billion.

The first aircraft selected to be upgraded are the last delivered batch of 30 F-16 Block 52 which were acquired in 2009. The following batch which will be submitted to the upgrade programme will be 55 F-16 Block 52+, acquired in 2003.

On 13 September 2018, Lockheed Martin announced that they will start with the upgrade programme on 85 F-16s. These fighter aircraft will be updated to Block 70/72 Viper standard F-16V, which includes the application of an active electronically scanned array radar, a new mission computer and electronic warfare suite, automated ground collision avoidance system, and various cockpit improvements.

The majority of the planned upgrades will take place in Greece. The first two years will be spent on engineering the prototype and the registration of the systems. The implementation of the new systems on the Greek aircraft will take place during the third year of the programme. Pilot training will start in the fourth year. The training is anticipated to be brief, because of the expertise of Greek fighter pilots. The complete programme starts on Monday 17 September 2018.

The upgrade of the 85 Vipers will provide the EPA with an entirely new aircraft, as the only element that remains is the fuselage, all other parts will be replaced. Further details on the expected delivery dates of the programme were withheld.

The Hellenic Air Force General Staff (HAFGS) announced

that they will start a project in cooperation with the "IKAROS" Public Benefit Foundation, to start with the rebuild and restoration of Supermarine Spitfire MJ755 back to flight status in order to participate in air shows and demonstrations of the historical aircraft. The costs of this project will be funded by IKAROS. The required maintenance to keep the aircraft in flyable condition will be supported HAF personnel. Reconstruction works have commenced at the Spitfire Company Ltd in Biggin Hill (UK). The aircraft was transferred in April 2018, after the concession contract was signed by the Chief of the Hellenic Air Force General Staff Lieutenant General(P) Christos Christodoulou and the legal representative of the IKAROS Foundation, Mr. Dimitrios Koliass. Aircraft restoration work is expected to be completed by the end of 2019 or early 2020 at the latest.

T-2E			
160097	120 PEA	w/o 28aug18	396-39 aug18

Italy

BRAC = Bracciano (RM)

Aeronautica Militare (AF)

AMX-T ACOL			
MM55034/RS-20	311° Gruppo	ex -/311° Gruppo	IT009 sep18

T-346A			
MT55229/R-	Leonardo	new	7102 aug18

Noted with 'M-346FA Fighter Attack' titles at the airshows at Farnborough and Radom.

Aviazione dell' Esercito (AR)

AB206C-1			
MM80602/E.I.541	pres Casoria (NA)	ex BRAC	9032
MM80604/E.I.543	pres Trani (BT)	ex BRAC	9036
MM80906/E.I.638	std BRAC	ex Centro AvEs	9160 jul18

ICH-47F			
MM81792/E.I.715	11° Gruppo	new	aug18

Arma dei Carabinieri (PO)

NH500D			
CFS04SD/CC-70	Carabinieri	ex CFS-04/CFS	BH-01
CFS05SE/CC-71	Carabinieri	ex CFS-05/CFS	BH-02
CFS08SH/CC-72	Carabinieri	ex CFS-08/CFS	BH-05
CFS09SI/CC-73	5° NE Pescara	ex CFS-09/CFS	BH-06 sep18
CFS10SK/CC-74	Carabinieri	ex CFS-10/CFS	BH-07
CFS11SL/CC-75	Carabinieri	ex CFS-11/CFS	BH-15
CFS12SM/CC-76	Carabinieri	ex CFS-12/CFS	BH-16
CFS13SN/CC-77	Carabinieri	ex CFS-13/CFS	BH-17

As published before, on 31 December 2016 the Corpo Forestale dello Stato ceased to exist, with its approximately 7,800 members being absorbed into the Carabinieri. Former Corpo Forestale dello Stato NH500D CFS09SI is identified,



One of the star visitors at Kleine Brogel was this Italian F-35A MM7359/32-09. The Belgians had a scoop, as far as we know the AMI never showed the type at an airshow abroad before. (7 September 2018, Dino van Doorn)

but is still wearing its old green and white livery. The batch MM81914 - MM81921 is assigned to these Carabinieri's 'new' NH500Ds. The tie-ups with the CC codes are still unknown, with possibly MM81921 as CC-77.

Marina Militare (NY)

SH-90A

MM81625/3-33 Grupelicot 5 new apr18

Montenegro

Vazduhoplovstvo Vojske Crne Gore (AF)

As reported by Scramble, the Vojska Crne Gore (VCG, Armed Forces of Montenegro) ordered three Bell 412EP/EPis in a USD 37 million contract with Canadian Commercial Corporation, Canada's government-to-government contracting organisation. The first VCG Bell 412EP (N356TD, c/n 36307) arrived on 13 April 2018 and was delivered to Golubovci air base, near Podgorica. The final two EPis were brought to the Bell Center at Prague (Czechia) on 4 September for assembly and test flights. The camouflaged duo was subsequently delivered to the VCG on 10 September 2018. N835LG (c/n 37032) and N835KB (c/n 37033) were escorted by the single Bell 412EP (re-registered as 36307) in its 'civil' looking livery during a fly-by over the capital city Podgorica. The delivery flight started at 11:56 hours (CEST) at Kapino Polje - Niksic airport (LYNK) and the landing was at Podgorica at 12:40 hours (CEST). All helicopters will be used for personnel transport, medical evacuation, search and rescue, cargo transfer, firefighting and border control.

With the introduction of the Bell 412EPis also a new roundel was introduced. On the Gazelles, Super Galebs and UTVAs the air force used to use a roundel that looked like a red circle outlined with a yellow line. The shape of the new roundel on the Bell 412EPis looks more like the USAF roundel, but the circle and bars are red and inside the red circle is a yellow cross. The flag of Montenegro is still shown in the tail.

Bell 412EP

36307 f/n ex N356TD 36307 sep18

Bell 412EPi

37032 d/d 10sep18 ex N835LG 37032 sep18
37033 d/d 10sep18 ex N835KB 37033 sep18

Ministarstvo Unutrašnjih Poslova Crne Gore (GV)

On 10 July 2018 the Ministry of Interior took delivery of a new Air Tractor. With this delivery, it seems we have failed to report about some other events. On 21 July 2015 an AT-802AF Fire Boss was damaged during its landing at the Skada Lake. It was taken out of the water the next day but eventually written off. Eleven days later an M18B Dromader was lost during a hard forced landing at Karakic mountain. This left the Avio-Helikopterska Jedinica MUP with only one AT-802 and one M18B. It was decided to rent one M18B from Serbia in 2016, and to buy a replacement AT-802 from the Valencia-based company "Air Tractor Europe". In order to unify the fleet, it was decided that the remaining AT-802F Fire Boss, which was purchased in 2009 in a variant with floats, was to be transformed into a plane in a configuration with a classic undercarriage with wheels, which resulted in the purchase of a tricycle-type traction kit. The new single-seat AT-802A was delivered to Golubovci on 15 December 2016. In April this year a tender was announced for one more firefighting airplane. The tender was closed on 7 May, which resulted in the delivery of a two-seater AT-802F produced in 2017 on 10 July 2018.

AT802AF

40-EAA w/o 21jul15 0281

AT802A

40-EAC d/d 15dec15 ex EC-MIB 0611

AT802F

40-EAD? d/d 10jul18 ex EC-MRV 0711

M18B

40-BRR w/o 01aug15

1Z028-11

NATO

NAEW&CF

LFBO = Toulouse

A330-243MRTT

F-WWKR NATO f/n LFBO to become 1830 sep18

E-3A

LX-N90458 309th AMARG to AMARG sep18

For now, this is the last E-3A which left Geilenkirchen for storage with the 309th AMARG in Tucson (AZ).

Norway

Norske Luftforsvaret (AF)

On Friday 21 September 2018 three more F-35As were delivered to Norway. The Lightning IIs joined the six aircraft already at Ørland Main Air Station, the first of which arrived there close to a year ago. Next to the aircraft at Ørland Main Air Station, Norway operates seven F-35As out of Luke AFB (AZ) for pilot training purposes.

EGHG = Yeovil (UK)

AW101 Mk612

0268 Leonardo MW repair at EGHG 50268 jul18
0273 Leonardo MW ZZ105, full mks 50273 aug18
0275 Leonardo MW allocated ZZ106 50275 aug18

F-35A

5208 NDMA d/d 21sep18 AM-14
5209 NDMA d/d 21sep18 AM-15
5210 NDMA d/d 21sep18 AM-16

Russia

Voyenno Vozdushnyye Sily (AF)

The Russian Federation - Aerospace Forces (RF VKS) Air Order of Battle is changing a bit with the arrival of the first three Su-34s at Chelyabinsk/Shagol air base (Russia). On 8 September 2018, the Ural press in Chelyabinsk reported that the trio, destined for the 21 Guards Composite Aviation Division, 2 Composite Aviation Regiment (2 SAP) arrived at Chelyabinsk/Shagol. The Division and Regiment are part of the Central Military District, 14 Red Banner Air and Air Defence Army.

The arrival marks the start of the replacement of the existing fleet of Su-24M/M2/SVP-24 and Su-24MR aircraft at the air base. 2 SAP is expected to get ten Su-34s (01 - 10 red), all new from the Novosibirsk Aviation Plant (NAZ). Actually, 2 SAP already had eight Su-34s on strength since 29 May 2018, but these aircraft were temporarily assigned to 4 Centre for Combat Application and Crew Training at Lipetsk air base for retraining pilots of 2 SAP. Following this, the aircraft were sent to Khmeimim airbase (Syria) for an operational deployment in the fight against opposition and ISIS parties in the war-torn country. The first three Su-34s (RF-81850/08, RF-81852/09 and RF-?/10) have now arrived at Chelyabinsk with the remaining seven to arrive later this year.

14 GvIAP, part of the 105 Composite Aviation Division, at Kursk-Khalino has received another four Su-30SMs. In 2017 the Irkutsk Aviation Plant (IAZ) supplied the first twelve Su-30SMs to the regiment at Kursk. Another eight are planned for delivery before the end of 2018, replacing the MiG-29 in the regiment. Then of the current MiG-29SMTs and one MiG-29UBT will be transferred to 3624 Air Base in Yerevan-Erebuni to replace some older versions of the MiG-29s.

On 16 August the Kazan Aviation Plant rolled out the first upgraded Tu-22M3M bomber. The bomber is part of a contract dating from 2016 for the upgrade of four Tu-22M3s to Tu-22M3M. The upgrade consists of new avionics, a new navigation target acquisition system and other on-board radio-electronic equipment which are harmonized with similar

systems of the Tu-160M2 version. The upgraded aircraft was also equipped with a new information management system (IMS) with digital screens as part of the new digital flight control system. As radar system the Novella-45 radar system was selected, which was tested as early as 2008. Later tests of an electronically scanned array radar failed, so the Novella-45 system was chosen again. The Tu-22M3M can carry the Rhaduga Kh-15 aero-ballistic missile. The bomber will be capable of carrying up to three Kh-32 (upgraded version of the Raguda Kh-22 long-range anti-ship missile, specifically designed to attack U.S. Navy carrier strike groups) or twelve Kh-15 missiles. Both the Kh-15 and KH-32 can alternatively be fitted with conventional or nuclear warheads. The Tu-22M3M can be easily recognised by the small canoe on top of its nose cone, and the canon in the tail replaced by a fairing.

The first Tu-22M3M (RF-94267, coded 42 blue) will undergo initial factory tests before joining the joint state tests. The first flight is planned for the third quarter of 2018. PJSC "Tupolev" expects an initial order for the upgrade of 30 Tu-22M3 out of the around 100 Backfires in service.

Already in 2012 we reported that a Tu-22M3M was taken on charge by the Ryazan-Dyagilevo center. This was also an upgraded version of the Tu-22M3 with new armament systems. Gefest & T joint stock company delivered the new systems that enabled the Tu-22M3M to use a wider range of precision-guided armament, including weapons that use the Glonass satellite navigation system. Only one Tu-22M3M (RF-94145, coded 37 red) was reported and we expect this program has been cancelled and superseded by the new project with the same name Tu-22M3M.

In the first months of 2018 the Russian Ministry of Defence has ordered the upgrade of a Tu-95MS bomber to Tu-95MSM. The work will be carried out by the Taganrog Aviation Plant. Part of the modernisation is a new flight and navigation system and the bomber will be equipped with new long-range cruise missiles. Also now being tested is a Tu-95MS equipped with an upgraded NK-12MPM engine. These static tests will be concluded before the end of the year. The results up till now fulfil the expectations so the upgraded engines will likely become part of the modernisation to Tu-95MSM. The first flight is currently planned for the end of 2019. After the joint static tests the Ministry of Defence will decide if they will order additional upgrades to the Tu-95MSM.

Also it is good to remark that this is not the first modernisation program on the Tu-95MS. Already in 2016 a modernised Tu-95MS with advanced radio/radar equipment as well as a target-acquiring/navigation system based on Glonass, and four underwing pylons for up to eight Kh-101/102 cruise mis-

siles was delivered by PJSC Tupolev to the MoD at Zhukovsky. By August last year, around fifteen upgraded examples had been delivered to the Russian air force.

Some updates on various projects were announced by Yuri Slyusar, president of the United Aircraft Corporation (IAC), during an interview with newspaper Vedomosti. The first Il-112V for the Russian Ministry of Defence is currently in the final stages of assembly. UAC hopes to sign a contract for the delivery of serial production Il-112Vs within the next years. Earlier it was announced that the first Il-112V flight will take place before the end of 2018 and that the Ministry of Defence initially planned to order 62, but later also at least 100 was mentioned. The Il-112V will replace the An-24 and An-26.

Slyusar also said that the Ministry of Defence is to receive the initial order for six MiG-35s. He expects the first one(s) to go to the State Flight Test Center in Akhtubinsk. Work has started on this initial production batch. According to our information in January 2017 the start of the factory tests were confirmed. Both pre-production MiG-35s are being used. The first single seater MiG-35 (type 9-41SR, coded 702 blue) made its first flight on 24 November 2016, while the dual seat MiG-35UB (type 9-47SR, coded 712 blue) first flew around 1 December.

UAC is working on a 75-seat "Superjet" based on the reduced version of the SSJ-100. The development will cost approximately 15 billion roubles. The Russian government is sponsoring 6 billion according to earlier reports. The new plane should go to market in 2022.

United Aircraft Corporation (UAC) also expects to sign a follow up order before the end of the year for the delivery of more Su-30SM to Russia. Vedomosti now reports a contract of at least 36 Su-30SMs with a value of 70 billion roubles. The order should create a production rate in Irkutsk of twelve to fourteen Su-30SMs per year. In total the Ministry of Defence has ordered 116 Su-30SMs since 2012. The breakdown is 88 aircraft for the air force and 28 for the naval aviation. According to the latest order, the last examples of these 116 are scheduled to be delivered in 2018.

Around 2022 the Irkutsk Aircraft Plant (IAP) is planned to switch production from the Su-30SM to the MS-21 passenger aircraft. UAC would like to obtain orders for around 100 Su-30SM, including export aircraft, to fill the gap until production of the MS-21 steps up. UAC hopes to conclude additional deals with Kazakhstan, Belarus and Myanmar. But this new expected order of 36 Su-30SMs would be enough to survive this production gap.

The Ministry of Defense plans to modernize five Il-22M11



Seen here during the Kleine Brogel Belgian Air Force days this Danish Air Force Viper E-607 shows off its tail colours with a stylish Danish flag. (8 September 2018, Kleine Brogel, Marco van Halum)



After a long spell of inactivity, ZE614 and ZE628 are active again with 627VGS at Little Rissington. These two are the only ones for now, but that is set to increase to around five. (9 September 2018, Joop de Groot)

aircraft, which will be converted into multifunctional command posts (KP) capable of coordinating the actions of troops in the event of war. As part of the modernization, the aircraft will be equipped with the latest communication and control systems. In particular, the IL-22M11 will be equipped with a relay node, which will be integrated with ground and air automated control systems, allowing the flying command post to control the ground, air and space groupings of troops in real time. The upgrade costs will be a maximum 1.6 billion roubles. It is planned that the first two aircraft are delivered in 2019 and the upgrade work on the other three will be finalized in 2021. Work will be carried out by the V. M. Myasishchev Experimental Design Bureau, presumably at Zhukovsky. More than twenty IL-22M (next to fourteen IL-22) were delivered to the Russian military. The IL-22Ms are based on several bases around Russia.

We reported on 18 March this year about the Mi-38-2 development. On 23 August 2017, Kazan Helicopters announced the start of assembly of the first prototype of the Mi-38T. They will build two prototypes, expected to be delivered late 2018, early 2019. Both prototypes will conduct a joint flight test programme for compliance with the requirements of the Russian Armed Forces. Depending on the results of these tests, further purchases of the Mi-38T will be planned within the framework of the state armament program in 2018-2025.

The Mi-38T is a military derivative of the Mi-38 and will be used for transporting equipment rather than personnel. The militarized version will be fitted out with military-grade communications and additional fuel tanks for longer range. The civil variant of the Mi-38 has received the ARMAK type certificate in December 2015. So far no helicopters of the civil version have been produced because the manufacturer decided to introduce additional changes to remove any remaining foreign components and technologies. The removal of foreign components and technology for the military version is also a demand of the Russian MoD. According the Russian tender board, the Ministry of Industry and Trade announced an additional contract for research and development work for 994 million roubles (about 12.8 million Euro). During this contract, the manufacturer has to achieve stable operations at temperatures from -50°C to + 50°C, in conditions of icing and high mountains. In January this year the Russian Ministry of Defence planned to purchase up to 38 Mi-38 helicopters by 2020. The helicopters will be used in the execution of missions both in Russia and abroad.

Aviatsiya Voyenno-Morskoye Flota (NY)

In April 2018, a contract was signed for the repair and upgrade of the Russian Navy aircraft carrier "Admiral Kuznetsov". The

repairs and upgrade of the aircraft carrier will last two and a half years and will be carried out by the Nevskoye Design Bureau. The Nevskoye Design Bureau is Russia's sole institute designing aircraft-carrying and amphibious assault ships of various classes. The repair started in May this year. After an impressive set of trials likely to last seven months, the carrier is planned to return to the navy in 2021.

The aircraft carrier Admiral Kuznetsov's shipborne systems will be modernized to carry deck-based generation 4+ MiG-29K/MiG-29KUB fighter jets. The MiG-29K/KUB will replace or supplement the Su-33s and Su-25UTGs on board the aircraft carrier. The Russian Navy ordered twenty single seat MiG-29Ks and four dual seat MiG-KUBs in late 2009. These equip the 100th Independent Shipborne Fighter Aviation Regiment at Severomorsk-3/Malyavr. In October 2016 four MiG-29K/KUB deployed with the "Admiral Kuznetsov" battle group to the Mediterranean Sea as part of the Russian campaign in Syria. During this deployment one MiG-29KUB crashed en route back to the carrier.

Serbia

Ratno Vazduhoplovstvo i Protivvazдушna Odbrana (DF)

On 5 September 2018, for the first time a nicely camouflaged H145M for the Serbian Air Force and Air Defence was seen outside at the Airbus Helicopters facility in Donauwörth (Germany). Although not the best picture on Scramble Facebook News, it is absolutely a 'sneak preview'. It is not known if this will be the first H145M for Serbia. Earlier this year H145M D-HMBE (c/n 20177) was seen and this was 'earmarked' as the first for the Serbian Ministry of Defence. But at the ILA Berlin Air Show in April, Airbus personnel said this overall dark grey coloured H145M was "just" a company demonstrator.

As reported before, the Serbian Government ordered six H145M helicopters, of which four are equipped with HForce. HForce is a modular and incremental system. It offers a multi-purpose mission computer interchangeable from one helicopter to another, an electro-optical system (EOS) for target identification and firing, monocular helmet-mounted sight and display (HMSD) for pilot and gunner and a large choice of weapons (air-to-air, air-to-ground, ballistic or guided) to comply with any operational need. The qualification of HForce for use on the H145M is planned for 2018. Also three H145Ms were ordered for the Ministry of Interior/Police. Deliveries should commence late 2018-2019.

The first two ex-Russian and upgraded MiG-29s were handed over during a commissioning ceremony on 22 August. Another six will be delivered before the parade in Belgrade in November. During the ceremony two aircraft were shown:

Personal copy

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MiG-29S 18151 and twin-seat MiG-29UB 18351. Serbian President Aleksander Vucic said that the MiGs should be named after Serbian pilots and other heroes who died during the 78 day air war in 1999 against NATO. In August another MiG-29 (18201, with all markings scrubbed out) was seen at overhaul plant 121 ARZ at Kubinka (Russia). Although it was reported that the modifications and repair would be done at the Moma Stanojlovich Aircraft Repair Plant in Batajnica (Serbia) with help of Russian specialists, this sighting refutes that statement.

Ministry of Interior (GV)

The Serbian Government is about to receive a new VIP aircraft. Embraer Legacy 600 (ERJ-135BJ c/n **1451006**) PT-SKW was noted at Recife International Airport on 3 September, with 'Republic of Serbia' on the right side of the fuselage and the same in Cyrillic on the left side, probably on a tech stop during a delivery flight. It was still carrying a Brazilian registration, with the new one taped over. On 5 September it arrived at Paris-Le Bourget, likely for further work to be carried out by the based Embraer Executive Jets. This Legacy was previously operated by Brazilian private operator São Conrado Taxi Aéreo.

Spain

LEAB = Albacete

Ejército del Aire (AF)

The Spanish Air Force announced that they will introduce a new coding system in which the unit-specific first part (before the dash) will remain unchanged while the second part behind the dash will be the same as the individual part of the serial. For example, the code of CASA 212 TR.12D-76/72-21 will be changed to 72-76. Although in the long run this will help us to identify aircraft if only the code is read, there is a likely possibility that in the process there will be several occasions in which two aircraft have the same code at the same time. This will undoubtedly cause some confusion in the period to come.

EF2000

C.16-64/14-22 Ala 14 #10053, f/n coded **SS045** sep18

Mirage F1BM

CE.14-87/14-73 Draken Intl ex std LEAB

Mirage F1M

C.14-04/14-02 Draken Intl ex std LEAB, spares a/c

C.14-18/14-12 Draken Intl ex std LEAB

C.14-21/14-14	Draken Intl	ex std LEAB	
C.14-36/14-18	Draken Intl	ex std LEAB	
C.14-41/14-22	Draken Intl	ex std LEAB	
C.14-42/14-23	Draken Intl	ex std LEAB	
C.14-43/14-24	Draken Intl	ex std LEAB	
C.14-44/14-25	Draken Intl	ex std LEAB	
C.14-54/14-30	Draken Intl	ex std LEAB	
C.14-56/14-31	Draken Intl	ex std LEAB	jul18
C.14-57/14-32	Draken Intl	ex std LEAB	
C.14-60/14-34	Draken Intl	ex std LEAB	
C.14-63/14-36	Draken Intl	ex std LEAB	
C.14-64/14-37	Draken Intl	ex std LEAB	aug18
C.14-67/14-39	Draken Intl	ex std LEAB	
C.14-68/14-40	Draken Intl	ex std LEAB	
C.14-70/14-42	Draken Intl	ex std LEAB	jul18
C.14-72/14-44	Draken Intl	ex std LEAB	
C.14-73/14-45	Draken Intl	ex std LEAB	jul18

Combat Aviation reports the above Mirage F1M/BM as the twenty machines transferred to Draken International (Lakeland, FL). Those with a date have been confirmed as actually delivered to Draken Intl and were reported by us before. The sixteen others are likely to have arrived by September 2018. As indicated, C.14-04 will be used as a spares recovery airframe. Flypast reports that of the five remaining stored Mirages at Albacete two will go to the Museo del Aire at Cuatro Vientos, including dual CE.14C-86/14-75 and an as yet unidentified F1M. The other three F1Ms will go to a shooting range to serve as ground targets. According to our database, the four singles concerned should be C.14-17, C.14-20, C.14-22 and C.14-88. Let's wait and see which one turns up at Cuatro Vientos.

Fuerzas Aeromóviles del Ejército de Tierra (AR)

On 10 September 2018, the Spanish Army deployed two Tiger HAD helicopters of BHELA I (Almagro; including HA.28-18/ET-718) and Cougar HT.21-19/ET-602 (unit nn) to Tenerife/Los Rodeos airbase to participate in Exercise Bencomo 18. The exercise during September was aimed to train planning, execution and conduct of an airmobile operation in the Canary Islands in collaboration with artillery units. The helicopters focused on the training of transportation of internal and external loads to help create field artillery units. Operations took place at several locations of the Canary archipelago.

Tiger HAD

HA.28-18/ET-718 BHELA I f/n ops (#10067 tbc) **5001** sep18

This is the first report we received on this helicopter being active with BHELA I. Although it was the first HAD airframe



We rarely receive photographs taken at Rovaniemi in Finland. Thanks to Marco we can show you this take-off shot of dual seat Finnish Hornet HN-463, seldom seen outside Finland. (27 June 2018, Marco van Halum)

Personal copy



Fine study of SF-5M AE.9-10/23-04 taken at Murcia/San Javier. The text on the droptank reads 'Patas Negras', or black paws. (17 July 2018, Damián González Martínez)

built for Spain (c/n 5001!), it was withheld by Airbus Albacete for test purposes and was destined to be the last of the first dozen of HADs to be delivered. This apparently has happened by now. The inventory number 10067 needs confirmation but seems likely since HA.28-17 has been confirmed as #10066 and HA.28-19 as #10068. The latter is the first of the second batch of HAD helicopters still with Airbus at Albacete.

Sweden

Flygvapnet (AF)

JAS39C

39210/210	F17	ex F21	39-210	sep18
39233/233	F17	ex F21	39-233	sep18

Ukraine

Manufacturers

Antonov has signed an agreement with Aviall to supply parts for its production of airplanes. Aviall is a Boeing company for aerospace parts and integrated supply chain solutions with about forty worldwide locations. The production of new aircraft by Antonov came almost to a complete stop two years after the annexation of Crimea by Russia in 2014. Before that time almost 60% of the parts were imported from Russia. The deal with Aviall will allow Antonov to replace parts with western parts to end the dependence on Russia. Antonov and Aviall will set up a joint warehouse in Kiev-Gostomel, funded by Aviall.

Antonov expects to build two or three aircraft before the end of 2019 with plans to produce up to eight aircraft per year. Antonov is currently developing the An-178, An-70 and An-132D. The An-132D is being developed by a joint-venture between Antonov and Saudi Arabia's King Abdulaziz City of Science and Industry (KACST) and Taqnia Aeronautics Company, also built around western parts. Antonov also announced that it is seeking U.S. industry support for its proposed revival of the An-70 medium-lift transport aircraft, the An-77. Ukraine and Turkey signed a memorandum of understanding to develop a transport aircraft based on the An-178. According to Antonov, variations of the An-178 are being considered, for example a westernized variant using General Electric or Pratt & Whitney turbofans and Western avionics.

United Kingdom

Ministry of Defence (MoD)

Squirrel HT1

ZJ249	ex G-BXMH	see note	3031
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Squirrel HT2

ZJ248	ex G-BXNE	see note	3037
ZJ252	ex G-BXOK	see note	3049

In a surprise move three former British military Squirrel helicopters were cancelled from the British Civil Aviation Authority register and returned to the ownership of the Ministry of Defence (MoD). This took place on 6 September 2018. By the deadline for this Scramble edition it was not yet clear why this took place. Hopefully more info next month!

It is already known that the British Ministry of Defence (MoD) intends to outsource its air aggressor capabilities once the Hawks of both 100sq (RAF) and 736NAS (FAA) will be retired around 2027. This is done under the Air Support to Defence Operational Training (ASDOT) programme. The MoD stated that it had entered the Invitation To Negotiation (ITN) phase of this programme in August 2018. The actual contract is expected to be allocated in June 2020. This contract will cover air training for the British Army, Royal Air Force and Royal Navy for ten years. There also will be an option to extend the contract with five additional years. There are four bidders involved:

- Babcock Aerospace: teaming with Elbit Systems from Israel
- Thales UK: teaming with QinetiQ and Textron AirLand
- Cobham Aviation Services: teaming with Draken International and 3SDL
- Leonardo: teaming with Inzpire and Top Aces

Royal Air Force (AF)

Not specifically RAF news, but related and therefore worth mentioning. GAMA Aviation at Farnborough has been performing maintenance and upgrades on the RAF Shadow and RN Avenger aircraft for the last years. Gulfstream maintenance will move from Luton to Farnborough and take over the GAMA hangar. In the future GAMA will continue to provide the same support to the British military, but from their Bournemouth-Hurn location.

On 18 July 2019, three Chinook HC5 helicopters were deployed to Mali to support French forces in Operation Barkhane. The helicopters are operated by 18(B)sq and commenced operational sorties as of 16 August 2018. In total ninety RAF service men and women have been deployed to this West-African country. The helicopters involved are: ZH897, ZH899 and ZH903.

EGDM = Boscombe Down	EGUB = Benson
EGOS = Shawbury	EGVO = Odiham
EGQS = Lossiemouth	EGYM = Marham
3/4Regt	Joint 3/4 Regiment pool at Wattisham
ADSU	Apache Depth Support Unit at Wattisham

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		
HSF	Hawk Service Flight at RAF Valley		
Leonardo	Leonardo Finnmeccanica at Yeovil		
MDMF	Merlin Depth Maintenance Facility at RNAS Culdrose		
Membury	Southern Sailplanes at Membury		
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

ZM400	24/70sq	ex Airbus Military	015 aug18
ZM403	Airbus Military	ex 24/70sq	020 jul18
ZM413	24/70sq	ex Airbus Military	045 may18
ZM414	1312Flt	24/70sq	047 jul18
ZM415	24/70sq	ex 1312Flt	052 jul18

Chinook HC4

ZA670	CMF	ex 28sq	M7032 aug18
ZA704	28sq	ex EGVO Wing	M7006 jul18
ZA708	EGDM	ex 28sq	M7018 aug18
ZA710	28sq	ex StandardAero	M7003 aug18
ZA711	28sq	ex 18(B)sq	M7026 may18
ZA714	28sq	ex StandardAero	M7005 jul18

Chinook HC5

ZH901	18(B)sq	ex CMF	M4480 aug18
ZH903	18(B)sq	ex CMF	M4482 jul18
ZH904	27sq	ex QAF	M4483 aug18

Chinook HC6

ZK551	7sq	ex CMF	M7702 aug18
ZK552	CMF	ex 27sq	M7703 aug18
ZK553	7sq	ex CMF	M7704 aug18
ZK557	7sq	ex StandardAero	M7708 jul18
ZK558	7sq	ex 27sq	M7709 aug18
ZK562	27sq	ex 7sq	M7713 aug18

Chinook HC6A

ZA679	18(B)sq	ex EGDM	M7014 aug18
ZA681	18(B)sq	unit confirmed	M7002 jun18
ZA682	CMF	ex EGDM	M7008 aug18
ZA684	28sq	ex EGDM	M7011 aug18
ZD983	CMF	ex 27sq	M7022 aug18
ZH775	27sq	ex EGDM	M4451 aug18
ZH777	StandardAero	ex 18(B)sq	M4453 aug18
ZH894	27sq	ex CMF	M4457 aug18

Hawk T1A

XX227	std EGOS	ex HSF	312063 aug18
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Phenom 100

Not reported previously in this magazine was a mid-air

collision between ZM335 and ZM336 on 3 July 2018. Both aircraft managed to land safely at RAF Waddington. ZM335 returned to RAF Cranwell on 3 September 2018, ZM336 was still at RAF Waddington when this Scramble edition went to press.

Puma HC2

XW235	std EGUB	ex EGUB Pool	1212 jul18
ZA935	std EGUB	ex P2MF	1633 jul18
ZA936	EGUB Pool	ex P2MF	1640 jul18
ZJ956	EGUB Pool	ex P2MF	1374 aug18
ZJ957	EGUB Pool	ex P2MF	1474 aug18

It is expected that the storage of XW235 and ZA935 is just temporary. MAR reports that XW235 is slated to be transported by road to Airbus Helicopters at Marignane (France).

Shadow R2

ZZ505	allocated, ex G-DAYP	FM-29
ZZ506	allocated, ex G-GMAD	FM-54

Mid-2018 these military serials were allocated to a pair of Beech 350CER aircraft on strength with 14sq. Both are to be converted to Shadow R2 status. Currently, G-DAYP (ZZ505) is undergoing conversion, while G-GMAD (ZZ506) is expected to follow soon. Both civil registrations are still valid in the British Civil Aviation Authority register. They are expected to be cancelled once the aircraft are taken on charge post conversion.

Texan T1

ZM329/329	Ascent	ex N2858B	PM-127 sep18
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Similar to the other aircraft already delivered, the recent arrivals were also registered in the British Civil Aviation Authority (CAA) register. On 29 August 2018, ZM327 was registered as G-CKVL and ZM328 was registered as G-CKVN. On 21 September 2018, ZM329 was registered as G-CKVO.

Tornado GR4

ZA585/054	31sq	see note	091 aug18
ZA587	i/a EGYM	ex 31sq/055	096 aug18
ZA588	std TST	ex 31sq/056	098 aug18
ZA597	31sq	ex TST	116 jul18
ZA601	TST	ex 31sq/066	124 aug18
ZD792	std TST	wfu 23aug18	402 aug18
ZG752	TST	ex 31sq/129	868 aug18

Aircraft ZA585 underwent maintenance with TST at RAF Marham and returned to service with 31sq by early-August 2018. This however was only short lived, since it was withdrawn from use and placed in storage by 28 August 2018. Tornado ZA587 is in use as Weapons Loading Trainer at RAF Marham. Usually, this is a temporary assignment only but given the pending retirement of the Tornado it remains to be seen if this aircraft will return to the skies in the future.

Typhoon T3

ZJ802/802	6sq	ex 3(F)sq/802	BT003 aug18
ZJ807/807	1(F)sq	ex 11(AC)sq/807	BT008 aug18



Flying Fins are normally associated with racing car drivers, but the air force obviously has more right to claim that nickname. Suomen Ilmavoimat uses the PC-12 as liaison aircraft and each day they fly out from home base Tampere/Pirkkale. (Rovaniemi, 27 June 2018, Marco van Halum)



On 26 September 2018, the final flight took place of British military Sea King helicopters. A trio of Sea King ASaC7 helicopters from 849NAS flew from RNAS Culdrose to Gosport/HMS Sultan on this day. All three were placed in storage after arrival at Gosport. This marks the end of 49-years of Sea King operations by the British military. The farewell flight is seen here in mid-air over Burrator Reservoir in Devon. (Westleigh Bushell)

ZJ814 std TMU ex 29sq/814 **BT015** aug18
 ZK382/382 29sq ex TMU **BT027** sep18
 ZK383 TMU ex 29sq/383 **BT028** aug18

With the retirement of ZJ814, only four Typhoon T3 aircraft out of the sixteen from the original batch (ZJ800-ZJ814) remain in service. These are ZJ802 (6sq in sep18), ZJ807 (1(F)sq in aug18), ZJ810 (XI(F)sq in sep18) and ZJ812 (29sq in aug18). On this topic, MAR reports that the following aircraft were struck from the RAF register by August 2018: ZJ803, ZJ804, ZJ806, ZJ808, ZJ809, ZJ811 and ZJ815. The remains of some of these still linger on at RAF Coningsby, but it is expected that they will be removed for scrapping in the near future.

Typhoon FGR4

ZJ917/917 3(F)sq ex XI(F)sq/917 **BS008** aug18
 ZJ919/919 3(F)sq ex 6sq/919 **BS010** aug18
 ZJ923/923 1(F)sq ex 6sq/923 **BS014** sep18
 ZJ929/929 3(F)sq ex 29sq/929 **BS020** aug18
 ZJ931/931 29sq ex II(AC)sq/931 **BS022** aug18
 ZJ946/946 XI(F)sq ex TMU **BS039** aug18
 ZJ949/949 3(F)sq ex TMU **BS045** aug18
 ZK302/302 6sq ex TMU **BS054** aug18
 ZK304/304 XI(F)sq ex 3(F)sq/304 **BS055** sep18
 ZK309/309 29sq ex 3(F)sq/309 **BS060** aug18
 ZK310/310 II(AC)sq ex 1(F)sq/310 **BS063** aug18
 ZK311 XI(F)sq ex TMU **BS064** sep18
 ZK320/320 II(AC)sq ex 1(F)sq/320 **BS081** aug18
 ZK321 i/a EGQS ex II(AC)sq/321 **BS082** aug18
 ZK328 TMU ex II(AC)sq/328 **BS089** aug18
 ZK329/329 3(F)sq ex TMU **BS090** sep18
 ZK331/331 XI(F)sq ex II(AC)sq/331 **BS092** aug18
 ZK335/335 41(TEs)sq ex TMU **BS096** aug18
 ZK339/339 41(TEs)sq ex TMU **BS100** aug18
 ZK341/341 XI(F)sq ex TMU **BS102** sep18
 ZK342 TMU ex 29sq/342 **BS103** aug18
 ZK349/349 3(F)sq ex II(AC)sq/349 **BS110** aug18
 ZK353/353 XI(F)sq ex TMU **BS114** aug18
 ZK354/354 XI(F)sq ex 3(F)sq/354 **BS115** sep18
 ZK361/361 3(F)sq ex XI(F)sq/361 **BS122** aug18
 ZK371 3(F)sq ex 6sq/- **BS132** aug18
 ZK372/372 1(F)sq ex II(AC)sq/372 **BS133** sep18
 ZK377/377 3(F)sq ex 1(F)sq/377 **BS138** aug18
 ZK425/425 II(AC)sq ex TMU **BS141** aug18
 ZK426/426 6sq ex TMU **BS142** aug18
 ZK427/427 3(F)sq ex 1(F)sq/427 **BS143** aug18
 ZK433 TMU ex BAE EGNO **BS149** aug18

Viking TX1

ZE495/VA 661VGS ex GMS **33879** aug18
 ZE499 GMS ex Membury **33883** aug18
 ZE521 GMS ex 644VGS/VK **33890** aug18
 ZE522 Membury ex std EGVL **33891** aug18
 ZE527 GMS ex Membury **33896** aug18
 ZE528/VQ 644VGS ex 622VGS/VQ **33897** jul18
 ZE529 Membury ex std EGVL **33898** aug18
 ZE551 Membury ex std EGVL **33910** aug18
 ZE560 GMS ex Membury **33924** aug18
 ZE564 Membury ex std EGVL **33928** aug18
 ZE586/WR 644VGS ex GMS **33933** aug18
 ZE587/WS 644VGS ex GMS **33934** aug18
 ZE590/WT 621/637VGS ex 622VGS/WT **33937** aug18
 ZE594 GMS ex 644VGS/WX **33942** aug18
 ZE601 GMS ex 644VGS/XA **33945** aug18
 ZE602/XB 644VGS ex GMS **33946** aug18
 ZE605 GMS ex 621/637VGS **33949** aug18
 ZE614/XN 644VGS ex GMS **33969** jul18
 ZE614/XN 627VGS ex 644VGS/XN **33969** sep18
 ZE625 GMS ex 621/637VGS/XP **33970** aug18
 ZE626 GMS ex 621/637VGS/XQ **33971** aug18
 ZE628/XS 644VGS ex GMS **33975** jul18
 ZE628/XS 627VGS ex 644VGS/XS **33975** sep18
 ZE629/XT 644VGS ex GMS **33976** aug18
 ZE630 GMS ex 644VGS/XU **33977** aug18
 ZE631/XV 644VGS ex GMS **33978** aug18
 ZE632/XW 644VGS ex GMS **33979** aug18
 ZE636 Membury ex std EGVL **33996** aug18
 ZE637/YA 644VGS ex GMS **33997** aug18
 ZE685/YV 644VGS ex 632VGS/YV **34034** aug18

Previous reports of ZE636 being on charge with 621VGS seem to be incorrect since the aircraft is now reported to have moved from storage at RAF Little Rissington to Membury Southern Sailplane for restoration to flying condition.

Voyager KC3

ZZ332 10/101sq ex 1312Flt **1275** aug18
 ZZ338 1312Flt ex 10/101sq **1419** aug18

Army Air Corps (AR)

Apache AH1
 ZJ191 3/4Regt ex ADSU **WAH26** aug18

Wildcat AH1

ZZ387 1Regt ex WZM **506** jul18
 ZZ388 WZM ex 1Regt **486** jul18
 ZZ392 Leonardo ex 1Regt **490** jul18

ZZ394	WST	ex Leonardo	492	jul18
ZZ395	1Regt	ex Leonardo	493	jul18
ZZ409	WST	ex Leonardo	479	jul18
ZZ510	1Regt	ex WZM	508	aug18

Fleet Air Arm (NY)

The end of an era, these are words which we write all too often nowadays. This time it refers to the retirement of the Sea King from British military service. The last Sea King helicopters remaining were the airborne radar equipped Sea King ASaC7 helicopters assigned to 849NAS. On Wednesday 19 September 2018, two helicopters undertook a farewell tour across Devon and Cornwall.

The helicopters in question were ZA126/(1)91 and ZE420/189. The three-hours flight brought the pair of helicopters east towards Teignmouth, then over Dartmoor and Bodmin Moor back to Padstow. From there via Newquay, St.Ives, Land's End, Penzance, Mounts Bay and finally back to RNAS Culdrose.

The Sea Kings were accompanied by Merlin HM2 ZH841 (814NAS). This event ends a period of 49-years of Sea King operations in Great Britain.

The real last flight of British military Sea King helicopters in Great Britain took place on 26 September 2018. On this day three helicopters flew, in formation, from RNAS Culdrose to Gosport/HMS Sultan for storage. The helicopters involved were XV714/188, ZA126/(1)91 and ZE420/189. The fourth and final Sea King ASaC7 is ZE422/(1)92, this helicopter is slated to be moved by road to Gosport/HMS Sultan for storage by October 2018.

Hawk T1A
XX329 736NAS ex 100sq **312153** may18

Merlin HM2
ZH837 MDMF ex 820NAS **RN17** aug18
ZH862/(86) 824NAS ex 820NAS **RN42** aug18

Merlin HC3
ZJ119 Leonardo ex 845NAS/C **50075** jul18

Merlin HC3i
ZJ132/Q 846NAS ex MDMF **50177** aug18

Merlin HC4
ZJ121/E 845NAS ex Leonardo **50099** aug18
ZJ129/N 845NAS ex Leonardo **50167** aug18
ZJ131/P 845NAS ex Leonardo **50173** aug18

Sea King ASaC7
XV671 std Gosport ex 849NAS/(1)83 **WA659** aug18
XV714 std Gosport ex 849NAS/188 **WA685** sep18
ZA126 std Gosport ex 849NAS/(1)91 **WA887** sep18
ZE420 std Gosport ex 849NAS/189 **WA958** sep18
ZE422 std EGDR ex 849NAS/(1)92 **WA961** sep18

Also ZE422 is due to be transported (by road) to Gosport for storage.

Wildcat AH1
ZZ527 847NAS ex WZM **534** aug18

Wildcat HM2
ZZ376 Leonardo ex 825NAS **495** aug18

Africa

Algeria

Al-Quwwat Al-Jawwiya Al Djazairiya (AF)

MiG-21bis
FA-32 pres Ain-Naadja f/n database, photo **75xx7845**

Angola

Força Aérea Nacional de Angola (AF)
EHBK = Maastricht-Aachen

DHC-8-402
D2-EEB Gvmt ex overhaul EHBK **4305** sep18
After having been overhauled at Maastricht-Aachen airport,

the DHC-8 was noted at Cascais, Portugal, on 15 September. The next stop on its way home was Dakar, however because a problem occurred while it was flying to Dakar it returned to Gran Canaria on 17 September.

MiG-21bis
C-308 wfu f/n database, photo **1980s**

MiG-23ML
C-466 wfu f/n database, photo **1980s**

Botswana

Botswana Defence Force - Air Wing (AF)
LSZC = Stans-Buochs, Switzerland

PC-24
DS-1 f/n LSZC as HB-VSO, o/o **114** sep18

"Einmal Pilatus, immer Pilatus" was a slogan used by the company for many years. For the Government of Botswana this slogan is still in effect. The air force PC-7s were replaced by the PC-7Mk.IIs in November 2012 and the Government also already has two PC-12/47Es in service since 2012. On 3 September 2018 the newest member of the Pilatus family, the PC-24, was noted outside in full Botswana Government colour scheme for the last pre-flight tests. On 11 September 2018 the aircraft, now registered as HB-VSO and with taped-over flag, made its first flight.

Cameroon

Armée de l'Air du Cameroun (AF)
LILN = Varese-Venegone, Italy

AW109E
... LILN f/n as CSX81933 **sep18**

On 24 September 2018, a camouflaged AW109E Power was noted at Varese-Vengono, Italy. It is reported as the first of an order of four.

Democratic Republic of Congo

(Force Armées de la République Démocratique du Congo)

Force Aérienne (AF)
LEMD = Madrid-Barajas, Spain

G-IV
9Q-CGC re-registered as 9S-CGC **1063**
9S-CGC Gvmt f/n LEMD **1063** aug18

Egypt

al Quwwat Al Jawwiya Il Misriya (AF)
LFBD = Bordeaux-Mérignac, France

Beech 1900C-1
4803/SU-BKW 32sq squadron update **UC-15** sep18

C295M
1181/SU-BSX 8sq c/n corr., not **125** **130** aug18

The construction number of 1181 was checked when the aircraft visited Brize Norton on 27 August 2018. We had this one as construction number 125 in the database. This construction number belongs most likely to 1183/SU-BSP, but confirmation is required. The pilots of the C295M were wearing badges of the 533rd Air Wing and from 8 Squadron.

F-4E
7817/70239 wfu ex 67-0239 **2917**

The tie-up between the serial 7817 and its USAF serial is now confirmed, thanks to a photo found by Peter Weinert.

Falcon 8X
SU-BTW Gvmt ex F-WWVL, d/d 16jul18 **434** aug18

This new VIP jet from the Egyptian Government was ferried from Bordeaux, France, to Cairo-Almaza on 16 July 2018. It was first noted at Athens in August.

Rafale DM
9257 d/d 25sep18 f/n LFBD **DM07** sep18
9258 d/d 25sep18 f/n LFBD **DM08** sep18
(9259) o/o, 34sq f/n LFBD **DM09** sep18



This Mi-35M, TZ-14H, was delivered on 21 September 2017 to the Force Aérienne de la République du Mali. It was photographed at Bamako on 12 September 2018 while practising for the Independence Day which was held on the 22nd of September. (Anonymous)

9260 d/d 25sep18 f/n LFBD **DM10** sep18
 9257, 9258 and 9260 departed from Bordeaux-Mérignac on 25 September 2018 enroute to Egypt. DM09 was noted on 5 September 2018 but without a serial applied.

Ethiopia

Ye Ityopya Ayer Hayl (AF)

DHC-6-300
 808 w/o 30aug18

The crashed Twin Otter was reported as 807, however Peter Weinert found the official Ethiopian crash report stating it was 808 which crashed on this date. It is still not 100% sure if 808 is the former ET-AIU with construction number 822.

MiG-21bis
 1110 i/a f/n database, photo **75085208** 2018

Kenya

Kenya Air Force (AF)
 HKJK = Nairobi-Jomo Kenyatta Intl.
 LIMF = Torino-Caselle, Italy

AS550C3
 1703 655sq f/n HKJK, photo sep18
 1705 655sq f/n HKJK, photo sep18

Kenya should have received eight AS550C3 Fenec helicopters and many spare parts from the United Arab Emirates. It is reported that the serials run from 1701 till 1708, however the serial range of the Huey IIs runs from 1500 till 1507 so we can't yet confirm what is right. A photo made at Nairobi-Jomo Kenyatta International Airport shows at least four of the helicopters on the platform, including the above two helicopters. The helicopters were officially handed over at Laikipia Air Base on 17 September 2018. During the ceremony a key was handed over to the Commander of the Kenya Air Force, Major General Francis Ogolla. In the key the text "655 Sqn" was engraved, so we assume this will be the new squadron for the Fenec helicopters.

C-27J
 222 LIMF o/o, f/n in full c/s sep18

This Alenia C-27J Spartan is the first of three aircraft ordered by the Government of Kenya at the end of 2017. Most likely this is the former CSX62307 which was noted during test flights in July of this year and of which we were told it was for Zambia. The serial follows perfectly in the serial range of

the DHC-4 and DHC-5. These ran consecutively from 201 to 212 and from there on the even numbers only to 220. So if correct this will make the second aircraft 224 and the third 226, but this is just speculation.

Kenya Police (PO)

Mi-17V-5
 5Y-DCI Police A.W. dam 15aug18 **404M05** aug18
 See the "Dustpan & Brush" section

Lesotho

Lesotho Defence Force-Air Wing (AF)

GA8
 LDF-80 Air Wing not w/o 21oct14 sep18
 We reported this one in Scramble 445 as written-off, however it was noted as active at Maseru on 15 September 2018. So probably the damage caused by the wheels-up landing in October 2014 was repairable.

H125 / AS350
 LDF-19 f/n database, 'Thaba Putsoa' sep18
 This Ecureuil was first noted on 15 September 2018 at Maseru, however it was already handed over to the Lesotho Defence Force on 23 May 2018 by Prime Minister Motsoahae Thabane during a small ceremony held at Mejametalana (Maseru) Air Base. The helicopter is a replacement for the EC135 that crashed on 13 April 2017. The Ecureuil was wearing the name Thaba Putsoa, which means Blue Mountain and is a 3,000 metres high mountain in the Maseru District of Lesotho. If it is a new built H125 or a second-hand AS350 is unfortunately unknown for the moment, the photo of the construction number is not clear enough.

Libya

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

MiG-23BN
 (4132) w/o 09sep92 **0393214132**
 This MiG-23BN crash landed at Maleme, Crete, on 9 September 1992. A photo found of the crashed aircraft revealed a part of the construction number, 14132, and like with sister-aircraft, such as 4136 with c/n 14136 and 4137 with c/n 14137, we assume that the serial will be 4132. However confirmation is required.

Madagascar

Armée de l'Air Malgache (AF)

Tetras 912CSM

5R-MNS f/n database, photo 162

Mali

Force Aérienne de la République du Mali (AF)

Mi-24D

TZ-407 to Mopti ex std Gao **U5088** jul18

The heavily damaged Mi-24D which was stored since November 2009 in a hangar at Gao, was noted being loaded on to a flatbed lorry to get transported to Mopti. What the reason of the removal is, is unknown for the moment.

Tetras 912CSLM

TZ-395	reregistered	as TZ-01R	80
TZ-418	reregistered	as TZ-15R	203
TZ-01R		ex TZ-395	80 sep18
TZ-15R		ex TZ-418	203 sep18

Rwanda

Force Aérienne Rwandaise (AF)

L-18C

20L27 ex 9XR-GW not 20L07 **18-3201**

South Africa

South African Air Force/Suid Afrikaanse Lugmag (AF)

TP-1 Oryx

1204	22sqn	ex 17sq	04 sep18
1228	19sq	w/o 18sep18	28 sep18

Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

K-8S

... w/o 21sep18

Mi-17

... w/o 17sep18

Su-24M

105 f/n database, photo jun15

Tanzania

Jeshi la Wananchi la Tanzani (AF)

LPPS = Porto Santo, Portugal

H225

5H-TAF f/n LPPS as F-WWOT sep18

This Airbus Helicopter H225 was noted on its delivery flight enroute Tanzania on 7 September 2018 at Porto Santo. The

next day it was also seen at Gran Canaria. On some websites the construction number is mentioned as 2543, but this is wrong because this is an AS332L2 Super Puma which became B-HRM already over a decade ago.

Airbus Helicopters has sold four Super Pumas, two H215s and two H225s, to the Government of Tanzania in 2017. If correct the H215 is built under a new industrial concept at the Romanian final assembly line in Brasov and so it is likely the two Tanzanian H215s will also be built there and no longer at Marseille in France.

Tunisia

al Quwwat al Jawwiya al Jamahiriya at Tunisia (AF)

LKKU = Kunovice, Czechia

L410UVP-E20G

Z94045/TS-OTE 21sq overhaul LKKU **942707** sep18

Garde Nationale [PO]

Bell 429

TS-QGA USGN ex N643EC **57293** sep18

TS-QGB USGN ex N643BB **57294** sep18

TS-QGC USGN ex N746BH **57295** sep18

USGN stands for Unité Spéciale de la Garde Nationale and is the Tunisian National Guard's elite counter-terrorism paramilitary tactical unit. USGN is trained to rescue citizens and allies who are held by a hostile force (foreign or domestic), either terrorist or criminal. The Bell 429s were already cancelled from the FAA database on 2 January 2017, but the first photos, which seem to have been made during the delivery ceremony, where published on Twitter on 7 September 2018. The home base of the Bell 429s will be at El Aouina.

Asia

Azerbaijan

Azerbaijan herbi hava qüvveleri (AF)

Azerbaijan has shown Hermes 450 and 900 in service. The first picture of one Hermes 900 (registration 227) appeared late April and confirms national media reports from August 2017 that Azerbaijan has procured the Israeli-made medium-altitude long-endurance (MALE) UAV. Azerbaijan has so far fully relied on Israel for its UAV acquisitions, with the Israel Aerospace Industries (IAI) Heron 1 and the Elbit Hermes 450 tactical UAVs known to be in operation. A license-production agreement is in place for Israel's Orbiter 2M UAVs also. The recent images released show Mi-17 helicopters along with Hermes 450 and 900 at Sangachal air base 45km southwest of Baku.



At Stans the first government PC-24 was seen. On 3 September the aircraft, DS-1 (114) for the Botswana government, was outside for the last pre-flight tests and on the 11th it made its first flight as HB-VSO. (Stephan Widmer)



Three Malinese Super Tucanos seen on take-off for a practice run. This was part of the preparations for the 22 September Independence parade. (Bamako/Senou, 4 September 2018, Anonymous)

Bangladesh

Bangladesh Biman Bahini (AF)

AW139

811	Leonardo	wh/red c/s, I-RAIO	31811	aug18
812	Leonardo	wh/red c/s, I-EASM	31812	aug18

Two new AW139s to be delivered soon.

China

People's Liberation Army Air Force (AF)

J-7II

2027	Shijiazhuang FA/2nd Brigade			aug18
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J-8F

61748	3rd Brigade			aug18
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J-10A

74111	130th Brigade			sep18
74116	130th Brigade			sep18
74118	130th Brigade			sep18
74119	130th Brigade			sep18
02	Ba Yi	J10A0714		aug18
03	Ba Yi	J10A0715		aug18
04	Ba Yi	J10A0716		aug18

J-10B

67227	61st Brigade	J10B0123		aug18
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J-10S

74729	131st Brigade			sep18
07	Ba Yi	J10S0311		aug18
09	Ba Yi	J10S0313		sep18
10	Ba Yi	J10S0314		aug18
11	Ba Yi	J10S0315		aug18

This year Ba Yi has started flying with a brand-new set of J-10A and J-10S aircraft as was demonstrated at Kubinka AB, Russia. Also, they are no longer designated as dedicated demo versions, so no more J-10AY and J-10SY. A few team members still need to be identified, including dual seat 09 that performed solo at the yearly Air Force Day at Changchun Dafangshen.

J-11B

61227	1st Brigade			sep18
61320	1st Brigade			sep18

J-16

61x4x	3rd Brigade	0404		aug18
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Rumour has it that this J-16 is one of the first J-16s going to 3rd Brigade at Qiqihar. However, the aircraft it is supposed to replace at Qiqihar was showing its colours at Changchun Dafangshen at the same time the J-16 was noted.

JH-7A

64026	31st Brigade			sep18
64220	31st Brigade			aug18

64225	31st Brigade			sep18
72215	110th Brigade			aug18
72310	110th Brigade			aug18

JJ-7A

2327	Shijiazhuang FA/2nd Brigade			aug18
2620	Shijiazhuang FA/2nd Brigade			aug18
4473	Aviation Univ. FITB/3rd Reg			aug18

JL-8

4270/20	AU FITB/3rd Reg	1132018		aug18
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JL-9

1631	Harbin FA/3rd Brigade			aug18
3522	Xi'an FA/2nd Brigade			aug18

KJ-500 (GX6)

30078	26th Div/76th Reg	471803		aug18
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Y-7G

55011	CTC/Transport & SAR Brigade			sep18
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Y-8C

3352/32	Xi'an FA/5th Brigade			aug18
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Z-8KA

6026	15th Airborne Corps	Z8KA-06		aug18
6121	15th Airborne Corps	Z8KA-11		aug18

Z-10K

6322	15th Airborne Corps			aug18
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People's Liberation Army (AR)

Mi-171

LH962716	74th Brigade			aug18
LH981717	74th Brigade			aug18

Mi-171E

LH971732	76th Brigade			aug18
LH993706	73rd Brigade			sep18

Y-9

LH951091	81st Brigade			aug18
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Z-8G

LH911802	Xinjiang Brigade			jul18
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Z-9WZ

LH952932	82nd Brigade			aug18
LH962920	79th Brigade			sep18
LH962945	79th Brigade			sep18
LH962968	79th Brigade			sep18

Z-10

LH951105	81st Brigade			sep18
LH952108	82nd Brigade			sep18
LH952111	82nd Brigade			sep18
LH952120	82nd Brigade			sep18
LH963123	80th Brigade			sep18
LH982105	121st Brigade			aug18
LH982116	121st Brigade			aug18

Early this year the Z-10 was added to this Brigade.

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Z-19		
LH962506	79th Brigade	sep18
LH962576	79th Brigade	sep18
LH962580	79th Brigade	sep18
LH962588	79th Brigade	sep18
LH952517	82nd Brigade	aug18
LH982518	121st Brigade	aug18
People's Liberation Army Navy (NY)		

J-11BH		
83484/44	82nd Brigade	aug18

J-16H

On 17 September 2018, a picture was published on the internet of a navalised J-16H fighter bomber. Unfortunately, two parts of the image are photoshopped, but it can be expected that at the front location an In-Flight Refueling (IFR) probe is located. Currently the Navy has six Brigades equipped with JH-7/JH-7As in the fighter-bomber role. Those could be the first ones to be replaced by this new aircraft.

Manufacturers

Z-10ME

Z10ME001	CHAIC	Z10ME-001	sep18
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In September pictures were released of a new version of the Z-10, meant for export customers. It can be expected that the details will be revealed at the next Zhuhai airshow in November.

FTC-2000G

--	GAIC	f/f 28sep18	sep18
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5 September saw the roll out in primer c/s of the FTC-2000G. This aircraft, the latest derivative of the MiG-21(!), is destined to be on the Zhuhai airshow to attract interest from foreign countries for this export version of the JL-9. In 2016 Sudan became the first export customer of the FTC-2000.

India

Indian Defence (DF)

A follow-on request for proposal (RFP) was issued to the India-Russia Helicopters Limited Company (IRHL) for 200 Kamov Ka-226T light multi-role helicopters. The RFP was submitted around 26 August 2018 and is reported as more detailed than the one issued in May 2018 (see Scramble 468 - Page 81).

The helicopters are to be acquired for the Army Aviation Corps and the Indian Air Force for an estimated amount of USD 1 billion. Within this order sixty helicopters are bought in a fly-away condition direct from Russia, while the remaining 140 are expected to be licence-built in India. The split between the Army Aviation Corps and the Air Force will be 140 respectively 60. Of the sixty platforms set to be directly imported, 44 are meant for the AAC and sixteen for the Air Force.

But there are concerns on the certification of the licence-built platforms. The majority of these will be assembled using an increased amount of Indian made components (30-40%). Russian officials say that such a high percentage of locally made components and sub-assemblies could compromise the platforms' overall efficiency.

Next to the above is the price tag. According to industry sources the unit cost of the licence-built Ka-226T is about two times higher than the unit price for importing sixty identical platforms from Russia. Estimation is that the price is USD 11-12 million for the licence-built Ka-226T, compared with USD 6 million for a similar helicopter manufactured in Russia. In October 2018, President Putin will attend the India-Russia bilateral summit in New Delhi. If all above issues are solved, it is expected that the Ka-226T deal can be signed.

Bharatiya Vayu Sena (AF)

Information published in the Indian Express gives some specific background on the Rafale deal. According to Gov-

ernment sources one of the 36 Rafale fighters had started test-flying in France in August 2018. India-Specific Enhancements are being flight-tested on this airframe, which is a two-seat Rafale. The identity of the aircraft is reported as RB008. Delivery of 36 Rafale aircraft in a fly-away condition along with associated equipment and weapons will commence in September 2019 and 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.

It was learned that only one Rafale 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 one Rafale will be completed within 67 months (until April 2022) of signing of the contract. The Rafales cannot be equipped with India-Specific Enhancements unless the flight test is completed and the aircraft is certified to the new capabilities. By the time the first Rafale is certified with India-Specific Enhancements, 35 Rafale aircraft would have already been delivered to India.

India intends to buy 250 Tejas Light Combat Aircraft (LCA) Mark II, to operate eighteen squadrons. Indian Air Force Air (IAF) Air Chief Marshal BS Dhanoa underlined the issue with the dwindling number of active fighter squadrons. He defended the purchase of just two squadrons of Dassault Rafale fighters by pointing out that the cancellation of the 108-Rafale deal is clarified by the impasse reached due to irresolvable differences between Dassault Aviation and Hindustan Aeronautics Ltd (HAL).

For the first time the Air Chief Marshal indicated that retiring MiG-21 and MiG-27 squadrons would be replaced by the Tejas LCA and not by medium multi-role combat fighters (MMRCAs) like the Rafale. Dhanoa said he was looking at inducting twelve squadrons of the Tejas Mk2 fighter, in addition to the two Tejas Mk1 squadrons and four squadrons of the Tejas Mk1A, an improved version, which are already being processed. That would add up to 18 squadrons of Tejas fighters of all types, making it the IAF's most numerous aircraft.

No.45sq Flying Daggers, the first Tejas squadron is being populated with Mk1 fighters as they roll off HAL's production line - albeit far more slowly than planned. The Tejas Mk1A is currently under development with a number of specified improvements over the Mk1 model. The defence ministry has initiated an order for 83 Mk1A (73 single seat and ten dual) fighters.

The Tejas Mk2 is planned as a far more capable fighter, with its current General Electric (GE) F404 engine being replaced by a more powerful GE F414 engine, and a new generation of avionics developed in India. It will also feature a new-generation data-link - which could be the NATO standard Link 16, which India is now eligible to buy after signing the COMCASA communications security agreement with the US.

From our point of view the "Make in India" policy will not work as it was intended to work. The main blocking item is the reluctance of foreign providers to take full quality responsibilities and give guarantees. Not a single foreign provider would like to take the hot seat because of too much uncertainties. We see this challenge is not tackled in an adequate manner and returns in every defence deal with foreign providers. The consequence is a big delay in the programme or even cancelling the programme. A switch to the Tejas LCA for giving more body to the "Make In India" policy can help to regain trust.

Rafale DH

RB008	Dassault Avn	f/f aug18
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Scramble! Tetras 912CSLM TZ-15R (203) seen taking off in a hurry, against a typical Malinese backdrop. (5 September 2018, Anonymous)

Bharatiya Nau Sena (NY)

The Defence Ministry of India approved the purchase of 111 naval utility helicopters, costing around \$3.39 billion, to be built under the Make in India policy by domestic private companies in a Strategic Partnership (SP) with overseas original equipment manufacturers. But this is only budgetary approval for the purchase; that budget has yet to be allocated, and no timeline has been set for when the procurement process would start. The complete programme, procurement and induction of naval utility helicopters is expected to take at least eight to ten years.

Foreign companies say clarity is required on crucial legal, liability and technology transfer issues. According to a foreign company executive spokesman there are two important issues that need clarity. One is legal. "We can't sell military hardware to a private company. Global regulations do not allow that. It has to be to a government-owned company. So, there has to be a government-to-government component in the end."

The other issue is about the liability of the end product. "For us to stand guarantee to the finished product built by a local company is a problem. There has to be a back-end mechanism to enable us." This liability issue was one of the major reasons the earlier medium multi-role combat aircraft (MMRCA) deal for 126 jets got derailed at the contract negotiation stage, after Dassault Aviation refused to stand guarantee to the aircraft manufactured by Hindustan Aeronautics Ltd.

Foreign companies including Airbus Helicopters, Russian Helicopters, Lockheed Martin and Bell have expressed interest in supporting procurement efforts. Domestic private defence companies Adani Group, Bharat Forge Ltd, Reliance Defence, Mahindra Aerospace and Tata Advanced Systems Ltd have also responded to the RFI to build naval utility helicopters in the country.

We believe the programme is extremely ambitious, has a lot of pitfalls and therefore is viable to a negative showcase that can become embarrassing for the Indian industry. We also doubt if there is a clear view of lessons learned. So is it wise to continue on this path?

Indonesia

Tentara Nasional Indonesia - Angkatan Udara (AF)
DKI = Daerah Khusus Ibukota Jakarta (Special Capital Region)
Not the most exhilarating part of the armed forces maybe, but the aero sports federation (Federasi Aerospot Indonesia - FASI), has a large fleet of gliders and some tugs. Gliding (terbang layang) is quite popular in this 'scouting-like' organization. Hubs can be found at Pondok Cabe and Kalijati/

Suryadama but the many, many local branches of the FASI have a glider or two in a shed somewhere, spread all over Indonesia's vast hinterland.

These are painted in all kinds of colour schemes, sometimes the (abbreviated) name of the branch is painted on in huge letters, like Koni Jaya or Jaya (for DKI Jakarta) or Koni Papua (for Papua province). But mostly a crest is worn, hardly readable on photographs. From time to time, they gather for competitions. This can be an aerial sports event alone, but biggest is the quadrennial sports week in September, the Pekan Olahraga Nasional (PON). On that occasion, some ten to twelve provinces, out of the 26 with FASI branches, participate. The next 'Indonesian Olympic games', the twentieth, will take place in 2020 in Papua province.

The 'order of battle' is sketchy at best. We do know where the FASI branches are, however, they are also involved in para gliding, parachuting and hang gliding! So, no way of knowing if some or all of the following branches use gliders:

Province:	Airport:	ICAO:
Aceh	Sultan Iskandar Muda	(WITT)
North Sumatra	Medan/Polonia	(WIMM)
West Sumatra	Padang	(WIPL)
Riau	Pekanbaru/Sultan Syarif Kasim II	(WIBB)
Jambi	Sultan Thaha	(WIPA)
South Sumatra	Palembang/Sultan Mahmud Badaruddin II	(WIPP)
Bangka Belitung	Tanjungpandan/Hanandjoeddin	(WIOD)
Lampung	Lampung/Radin Inten	(WICT)
West Java	Bandung/Sulaiman	(WICK)
DKI Jakarta	Halim Perdanakusuma	(WIHH)
Yogyakarta	Adisucipto	(WARJ)
Central Java	Adi Sumarmo	(WARQ)
East Java	Abdulrachman Saleh	(WARA)
Bali	Ngurah Rai (Denpasar)	(WADD)
West Nusa Tenggara	Mataram/Selaparang-Rembiga	(WADA)
East Nusa Tenggara	Kupang/Eltari	(WATT)
West Kalimantan	Pontianak/Supadio	(WIOO)
South Kalimantan	Banjarmasin/Syamsudin Noor	(WAOO)
Central Kalimantan	Pangkalan Bun/Iskandar	(WAOI)
South Sulawesi	Makassar/Hasanuddin	(WAAA)
South East Sulawesi	Kendari/Wolter Monginsidi	(WAWW)
Central Sulawesi	Palu/Mutiara	(WAML)
North Sulawesi	Manado/Sam Ratulangi	(WAMM)
Maluku	Ambon/Pattimura	(WAPP)

Gleaned from the latest PON-editions and some other soaring events, we have noted that the three-digit serial system has been abandoned for a four-digit one. As before, the serial numbers are not grouped per type. We suspect they are applied in acquisition order. For good measure we probably

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should mention every serial we know, but decided against it and will report only the new ones. Also, we mention the location it was sighted if we do not know the branch. So brace, brace, brace, if you do not like gliders!

SGU-2-22C

G-1302		red c/s	may15
G-2101		red c/s	nov16
G-2103		yellow/red c/s	aug15
G-2104	Jawa Barat	red c/s	nov16
G-2201	Riau	white/yellow c/s	sep12
G-2203	DKI Jakarta	white/red c/s	sep16
G-2204	DKI Jakarta	white red c/s'	sep15
G-2401		red/white c/s	sep16
G-2801			nov15

The Schweizer SGU-2-22C is a two seat metal high wing training and utility glider. Thirty were delivered under FMS to Indonesia in 1963. The designation in the system at the time was TS-1A and the allocated US serials were 60-6631 to 60-6660.

The DKI Jakarta soaring club is based at Pondok Cabe. They operate nine SGS-1-26B, five SGU-2-22C, a single C201B Marianne, a single PZL-104 and two Aviat Huskies. Most of their aircraft are marked with a large badge with the international glider shield (three stacked birds), surrounded by a laurel wreath superimposed on a white disk with horizontal orange stripes and five linked rings (same as the FASI shield). If that does not make sense, visit: jakartasoaringclub.tripod.com.

SGS-1-26B

G-1206		white/red c/s	photo
G-1209	DKI Jakarta	white/purple c/s	sep16
G-1301		red/yellow c/s	jun17
G-1502		white/green c/s	sep16
G-1901	Banten	white/red c/s	aug16

Slightly more modern is the single seat mid-wing Schweizer SGS-1-26B sports glider. Also thirty of these were supplied under FMS in 1963, dubbed S-2A and allocated US serials 60-6661 to 60-6690.

SGS-2-33

G-1602		blue/white c/s	sep16
G-2302		red c/s	may15

Later on, more Schweizers were obtained directly. The 2-33 is a two seat modern version of the 2-22, with a squared-off tail. The last batch we know of arrived on 22 May 2009, consisting of three examples registered G-611 to G-613, of which 611 has since crashed.

Tentara Nasional Indonesia - Angkatan Laut (NY)

AS565MBe

HS-4206	SkU400	d/d 10feb18	7035 feb18
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Beech G36

T-2503	SkU200	f/n, ex L-2__	jul18
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NB412S

HU-4203	SkU400	f/n, ex HU-4__	jul18
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NBo105CB

HE-4108	SkU400	f/n, ex NV-4__	aug18
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NC212-200M

U-6201	SkU200	f/n	sep18
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NC212-200MP

U-6205	SkU600	ex U-615	278/N83 jul18
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This a tie-up update with one of the old serials.

CN235-220MPA

P-8301	SkU800	f/n, ex P-86__	sep18
P-8303	SkU800	f/n, ex P-86__	jul18

As a side note, P-8301 participated in the multi-national exercise KAKADU 2018 in Darwin, Australia this September.

TB-9GT

T-2303	SkU200	f/n, ex L-20__	sep18
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They have three, so the batch likely runs T-2301 to 2303.

TB-10GT

T-2401	SkU200	f/n, ex L-20__	sep18
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Five with T-2401 and 2405 now noted, you do the math...

Japan

RJNA = Nagoya/Komaki	RJNG = Gifu
RJNH = Hamamatsu	RJNK = Komatsu
RJSN = Niigata	RJST = Matsushima
RJTU = Utsunomiya	
ADC = Shireibu Hikotai	ADTW = Hiko Kaihatsu Jikk.
AEWG = Hiko Keikai Kanshigun	ARS = Kyunantai
ARW = Koku Kyunandan	ATS = Kyoiku Kokutai
FTS = Kyoiku Hikotai	FTW = Hiko Kyoikudan
N-ADF = Hokubu Shien Hikohan	SW-ADF= Nansei Shien Hikohan
W-ADF = SeibuKHS Sh. Hikotai	
nmks = no tail unit-number	

Nihon Koku-Jieitai (AF)

C-1

78-1026	402 Hikotai	ex IRAN, 60th ann. c/s	8026 sep18
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C-2

88-1208	403 Hikotai?	nb/ex Kawasaki	8 sep18
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Not yet confirmed if the so called Team 403 Hikotai now officially is renamed 403 Hikotai.

E-2C

34-3459	AEWG	8-bladed props	A20-953 sep18
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We missed this, fitted with 8-bladed props sometime between December 2016 and December 2017. More to follow.

E-2D

The US State Department approved the sale of up to nine E-2Ds via the FMS program.

F-1

00-8246	Sado-shi	JASDF Sado sub base	109 apr12
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Again one which was not yet in the database as preserved.

F-2A

13-8512	6 Hikotai	ex IRAN	1012 sep18
43-8530	6 Hikotai	ex nb/IRAN	1030 aug18
83-8546	3 Hikotai	nb, ex IRAN	1046 sep18
13-8558	o/h RJNA	nb, ex 3 Hikotai	1058 aug18

F-2B

23-8110	i/a RJST	cockpit only	3010 jan11
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This is one of the 11 March 2011 earthquake/tsunami victims and obviously not repaired. Four others are also beyond repair but for the moment we do not know their exact fates.

F-4EJ

57-8361	Komaki	outside, missing parts	M061 sep18
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This is one of the twenty non-Kai modified F-4EJ Phantoms put into storage at Komaki around 1998. It was feared they were scrapped on site however this was never confirmed. Why 361 was pulled from storage is not known, could be for preservation at the Mitsubishi HI complex, joining four other Mitsubishi manufactured types. Or it could be for the recently opened Aichi Museum of Flight.

F-4EJ Kai

37-8320	302 Hikotai	special mks	M020 sep18
17-8437	302 Hikotai	ex nb/IRAN	M137 sep18

Another special marked 302 Hikotai Phantom was seen at Hyakuri. 320 has some red triangle markings on the intakes and rudder. It somehow reminds us of the markings worn at an event/exercise in the past.

RF-4EJ Kai

67-6380	501 Hikotai	ex nb/IRAN	M080 aug18
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F-15DJ

12-8051	23 Hikotai	ex nb, ADTW	001/627 sep18
32-8085	o/h RJNA	ex 23 Hikotai	sep18
62-8089	204 Hikotai	ex IRAN	aug18
92-8094	AGG	ex IRAN	sep18

Last month's remark on F-15DJ 051 turned out to be correct. Aggressor 094 was already seen active at Naha after it left Komaki, so no time yet to paint a nice camo pattern on the



Next month we plan to include a comprehensive overview of the Azerbaijani armed forces. Seen during a recent exercise, regularly held together with the Turkish armed forces, is MiG-29UB 10 blue. (Konya, 11 September 2018, Yigit Cicekci)

Eagle.

F-15J				
12-8803	306 Hikotai	AirFesta mks	J1-0553	sep18
42-8830	o/h RJNA	nb, ex 303 Hikotai	030	sep18
42-8841	23 Hikotai	ex 306 Hikotai	041	sep18
62-8865	23 Hikotai	ex IRAN	065	sep18
62-8871	o/h RJNA	nb, ex 203 Hikotai	071	aug18
62-8874	o/h RJNA	nb, ex 201 Hikotai	074	sep18
72-8885	303 Hikotai	AirFesta mks	085	sep18
12-8927	204 Hikotai	ex 306 Hikotai	127	sep18
52-8951	o/h RJNA	nb, ex 204 Hikotai	151	aug18
52-8953	304 Hikotai	ex IRAN	153	sep18

The special markings for both Komatsu based Eagles will not be long-lived.

F-35A				
89-8709	Rinji F-35A Hik.	ex MHI	AX-09	sep18
89-8710	MitsubishiHI	f/n, test at Nagoya	AX-10	sep18

CH-47J				
77-4497	ARW	ex Misawa	5083	sep18

Seen at the Yokota open house without the unit sticker.

UH-60J				
08-4570	ARW	w/o 11mar11	2020	apr10

As the normal complement for a Kyunantai SAR unit is three UH-60Js, we thought we had all three Matsushima-based helicopters damaged beyond repair after the 11 March 2011 tsunami. It turns out for some reason this one was also on the base and subsequently also written off.

UH-60J II				
88-4606	MitsubishiHI	f/n, test at Nagoya	2056	sep18

T-4				
86-5609	o/h RJNG	nb, ex 31 FTS	1009	sep18
16-5655	N-ADF	ex IRAN	1055	sep18
26-5680	? Hikotai	nb, ex 301 Hikotai	1080	aug18
26-5685	o/h RJNG	nb, NOT ADTW	1085	oct17
26-5686	o/h RJNG	nb, ex 301Hik, BI c/s	1086	sep18
26-5687	ADC	stored Iruma?	1087	nov17
36-5698	204 Hikotai	ex IRAN? ex 31 FTS	1098	sep18
36-5700	31 FTS	ex IRAN? NOT 32FTS	1100	sep18
56-5737	3 Hikotai	ex IRAN? ex W-ADF	1137	aug18
06-5784	21 Hikotai	ex SW-ADF	1184	aug18
06-5786	23 Hikotai	ex IRAN	1186	sep18

Careful examination of a photo of T-4 685 showed it had no badge, so probably at Gifu for overhaul. T-4 686 was one of several dozen T-4s not seen for some time. Last confirmed sighting was October 2008 with 301 Hikotai. It emerged at Gifu in Blue Impulse colours, making this the seventh 'new' asset for the team. T-4 687 with last note of March 2016 was seen on a November 2017 photo, canopy covered. Photo of T-4 700 (see Scramble 470 - page 82) on twitter turned out

to be an old one, confirmed as 31 Kyoiku Hikotai. 'New' 23 Hikotai hack T-4 786 is still in the red/white 13FTW colours.

T-6G				
52-0080	Matsushima	no wings, dumped	168-246	aug18

This former Matsushima gate-guard was noticed dumped near the woods.

T-7				
46-5917	11 FTW	nb, ex IRAN	17	aug18
66-5936	11 FTW	no tail stripes, ex red	36	aug18

Several Shizuhama based T-7s have lost their tail-stripes (indicating which maintenance squad was responsible for an aircraft) so maybe these are removed for the whole fleet. In the days of the T-3 both training wings painted the spinners in different colours for this purpose.

U-125A				
72-3005	RJSN ARS	ex no sticker/Ashiya	258288	sep18
22-3020	RJNH ARS	unit confirmed	258513	aug18
52-3023	RJNK ARS	unit confirmed	258629	sep18

YS-11FC				
62-1154		broken up Iruma	2019	sep18

After eighteen months of storage, reduced to a pile of scrap-metal.

Rikujo Jieitai (AR)

AH-1S				
73432	IATH	ex VATH or mispole?	32	aug18

UH-1J				
41900	II	ex no unit code	1J100	sep18
41925	X	ex IRAN, no unit code	1J125	sep18
41930	IV	ex NH	1J130	may18

OH-6D				
31307	IV	unit confirmed	6761	may18

CH-47J				
52922	XIIIH/2 Hikotai	ex no unit code	5032	sep18

Kaijo Jieitai (NY)

UH-60J				
8979	22 Kokutai	ex 72 Kokutai	3019	sep18

SH-60K				
8412	22 Kokutai	ex 23 Kokutai	5012	dec17
8415	23 Kokutai	ex 21 Kokutai	5015	jul18
8430	22 Kokutai	ex 23 Kokutai	5030	dec17
8437	23 Kokutai	ex 22 Kokutai	5037	jul18
8446	23 Kokutai	ex 21 Kokutai	5046	jul18

Recent Maizuru open house had some updates. Photos on the net showed some helicopters in the hangar receiving heavy maintenance.

P-3C				
5065	2 Kokutai	ex nmks	9062	sep18

5075	1 Kokutai	at Atsugi	9072	may18
T-5				
6344	o/h RJTU	201 ATS mks	44	aug18

Kazakhstan

National Guard of the Republic of Kazakhstan (GV)
 Recently, the Kazakhstan National Guard received its first Y-8F-200W military transport aircraft from the Shaanxi Aircraft Corporation (China). With the introduction of this Y-8F-200W, adorned with code 01 yellow, the National Guard, directly subordinated to the Kazakhstan's Ministry of Internal Affairs, will build up its own fixed-wing fleet. In November 2017, the Ukraine already handed over a refurbished An-26 to Kazakhstan's National Guard. On 21 April 2014, by a presidential decree, the internal troops of the Ministry of Internal Affairs of Kazakhstan were transformed into the National Guard of Kazakhstan. Eventually, sources in Kazakhstan report, it is expected that eight Y-8s will enter service with Kazakhstan's National Guard. As we reported, three new Y-8F-200Ws will be delivered to Kazakhstan as part of a contract that was signed on 21 April. According to an agreement between Shanfei Aviation Industry and China Aviation International in Beijing, all three will be delivered in the first quarter of 2019.

Myanmar

Tamdaw Lay (AF)
 The number of ATR72s in use with Myanmar Defence Forces gives some headaches. Some ATR72s were reported on Myanmar military flights, but were so far never seen in active duty. The following two were however seen. Also reported in August 2018 was 0009, but no photographic evidence has been provided yet.

ATR72-212A				
0005	full colours, c/n update	545	jan18	
0008	f/n, full colours		sep18	
0009	to be confirmed		aug18	

Nepal

Nepal Army (AR)

AW139				
NA-059?	11th Regiment ex i-EASY	31808		

The helicopter was noted in July during a pre-delivery test-flight in standard Nepalese green camouflage c/s. Only recently the Ministry of Defence declared that it had purchased two helicopters, the other one being the Airbus H125 mentioned last month. The new serial has to be confirmed.

Pakistan

Pakistan Fiza'ya (AF)

AW139				
...	Leonardo	f/n as CSX81837	31815	jul18
...	Leonardo	f/n as CSX81838	31816	jul18
...	Leonardo	f/n as CSX81939	31817	jul18
...	Leonardo	f/n as CSX81940	31820	aug18

All four were delivered 14 August 2018. This makes up ten.

FT-6				
10829	pres Kamra	identity now known		apr18

It has been preserved on base a while already, since at least 2013 at 33.84833, 72.42009; but its identity is now confirmed.

JF-17				
09-111	PAC Kamra	c/n update	FC10011	aug18

This makes it the 11th in the pre-production run. We always thought it was the third production Block I aircraft (FC10103). Although owned by PAC Kamra, the pilots wore 14sq patches.

Saab 2000				
...	nn	del, ex SE-060	060	aug18

Singapore

Republic of Singapore Air Force (AF)

A330-243MRTT				
762	o/o, as EC-336	serial update	1799/MRTT035	sep18

The Airbus 330 was noted in full colour scheme and with its serial applied on 14 September 2018 at Getafe, Spain, after it returned from Manching-Ingolstadt, Germany, where it was painted. It arrived at Manching-Ingolstadt on 21 August. The Airbus was first noted, in primer, as EC-336 in June 2017, before that as F-WWKQ.

S-70B				
252	123sq			feb18
253	123sq	ex N1025J		feb18

The Republic of Singapore Air Force (RSAF) took delivery of two S-70B Seahawks in late January 2018. The helicopters are from an order placed in early 2013 and are owned by the Republic of Singapore Navy (RSN) but operated by the RSAF's 123 Squadron at Sembawang Air Base.

South Korea

Han Guk Gong Gun (AF)

A330MRTT				
F-WWKP	Airbus	f/n, for RoKAF	1883	jul18

Han Guk Hae Gun (NY)
 The possible acquisition of the P-8A concerns six aircraft along with various other equipment. The US State Department



Singapore is in the process of receiving A330MRTT aircraft. This EC-336 'MRTT035' was seen at Manching-Ingolstadt in full RSiAF 112sq colours, bearing the serial 762. (14 September 2018, Dietmar Fenners)



Around 40 Su-25s are on strength with the Azerbaijani Air Force. Luckily, they are used in the bilateral exercises with Turkey, much to the delight of the local aircraft enthusiasts. (Konya, 11 September 2018, Yigit Cicekci) approved the sale via the FMS program.

The MUH-1 Marineon crash was probably caused by defects in the rotor-mast. A subcontractor responsible for the masts is blamed for not correctly treating the mast against the heat, thus cracks were created resulting in the crash. As a result all Surions and Marineons are grounded.

Thailand

Royal Thai Air Force (AF)

H225M
.../20308 ex F-ZWDF sep18
On 16 September this helicopter was noted test flying at Marignane. This one and the yet unseen 20307 are the last two to complete the order for eight helicopters. Around the same time Airbus released information that another order was received from Thailand for four H225M helicopters for delivery until 2021. When delivered 203sq will operated twelve H225Ms.

P180-II
.../40214 402sq 3007 aug18
Analysis of Flightradar data showed that this aircraft is flying frequently from Takhli since it arrived in Thailand in September 2017.
Police (PO)

Da2000S
33742 ex F-WWGI 742 sep18
After receiving the VIP interior at Little Rock (USA), the aircraft flew to Le Bourget on 15 September and left for Don Muang on 17 September where it arrived on 18 September, still wearing its French registration.

Latin America

Argentina

Fuerza Aérea Argentina (AF)

F28-1000C
TC-52 wfu ex GA1, to be pres 11074 aug18
The last flight occurred on 31 August when it landed at El Palomar at 21:52 arriving from Córdoba. This only leaves TC-53 in operation and that is slated for withdrawal September 2019.

Brazil

Força Aérea Brasileira (AF)

H-36
8515 3°/8°GA v del 03sep18 sep18
This was built before but received some upgrades before being delivered. It was the 31st delivery to date of the 50-strong, tri-service order.

IU-50 (ERJ550 Legacy 500)
3603 GEIV f/n, h/o 23aug18 55000071 aug18
This was formerly registered PR-LQB.

Chile

Two Beriev 200 firefighting aircraft were ordered by a Chilean company, presumably for onward lease to the government. We do not know if these will receive any (pseudo)military markings.

Colombia

Ejército de Colombia (AR)

RC690C
EJC1106 BAAV 1 c/n update 11697
This Turbo Commander was impounded from subversive groups and taken on strength after rework in the USA. Ex N840JK.

Ecuador

Fuerza Aérea Ecuatoriana (AF)

The Air Force has issued a request for proposals to obtain six helicopters.

Aviación del Ejército Ecuatoriana (AR)

H125 (AS350B3)
E-325 GAE-43 ex PR-HVL, c/n update 7832

M28
AEE-208 GAE-44 ex SP-DDA AJE001-01 aug18
This former company demonstrator was delivered on 29 August to Pastaza/Rio Amazonas.

El Salvador

Fuerza Aérea Salvadoreña (AF)

Diplomatic ties with China or Taiwan? After initiating diplomatic ties with China, the delivery of four ex-Taiwan Hueys to El Salvador has become highly unlikely. Taiwan has

a policy of rewarding smaller Latin American countries with donations of Hueys in exchange for diplomatic recognition. The beneficiary here may be neighbouring Honduras which had been looking to materialize an option for four more Hueys from Taiwan.

Guatemala

Fuerza Aérea Guatemalteca (AF)

Ce208B EX

089	ex N135CB	d/d 17sep18	208B-5466
360	ex N125CB	d/d 17sep18	208B-5464

Last June, the Guatemalan Ministry of Defence has confirmed an order for four Cessna 208 Grand Caravans valued at USD 8.2mln. The first two deliveries were scheduled for October, however the first pair have arrived at La Aurora (Guatemala City) on 17 September already.

Guyana

Guyana Defence Force (DF)

Minister of State, Joseph Harmon, announced on 27 April that the Guyana Defence Force (GDF) is in the process of purchasing two Skyvans and two Islanders. Both types have been used by the GDF in the past, and have served "extremely well" under local conditions. In 2018, the GDF has budgeted about half the sum to buy the four aircraft, which have all been refurbished. The first pair, two Islanders, arrived at the GDF's main base, London Air Station at Tehmeri, on 8 August 2018. Both Islanders were acquired from Aero Star Taxi Aereo from Brazil.

BN-2A

.....	ex PT-KRO	d/d 08aug18	742
.....	ex PT-KTR	d/d 08aug18	495

Jamaica

Jamaica Defence Force (DF)

Bell 429

JDF H-36	d/d 03aug18
JDF H-37	d/d 03aug18

Out of an order for additional Bell helicopters, namely three Bell 429s, one Bell 412EPI and two additional Bell 206B-3s, the first two have been delivered in August. N837KB (msn 57337) and N837LT (msn 57337) were both cancelled as sold to Jamaica on 1 August 2018, however, tie-ups with Jamaican serials are not confirmed.

Mexico

MMMX = Mexico/Benito Juarez IAP

Fuerza Aérea Mexicana (AF)

The FAM has officially completed phase 1 of its Plan 2030. During this phase, no less than 41 helicopters and 102 fixed wing aircraft have been either refurbished or purchased. The results of this could be seen during the annual parade on 16 September, during which no less than 143 aircraft took the skies, many recent deliveries included.

Phase 2 of Plan 2030 will see the following deliveries: 24 tactical helicopters, 24 transport helicopters, 12 multi-purpose helicopters, an additional 30 T-6C+ Texans, seven medium transports, three heavy transports and four jet transports. This phase will have to be completed in 2024.

The third and final phase, to be completed in 2030, will see 24 fighter interceptors, three additional Beech 350s with sensor suites and three EMB145s with airborne radars to be incorporated.

On 30 August, the FAM said goodbye to the Bell 212. No less than 37 of the type served the FAM, during a career which lasted almost 45 years. The 212s have been replaced by UH-60Ms and EC725s.

T-6C+

2048	EA.402	w/o 17jul18
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This crash, the fifth of this type already in Mexican service, and only seven weeks after its delivery, caused the cancellation of the Gran Fuerza de Mexico air show, to be held at Santa Lucia in the last weekend of August this year, like it had been organized in previous years.

Armada de México – Fuerza Aeronaval (NY)

Lj25D

AMT-202	pres Tuxpan	ex std MMMX	25D-339	sep18
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The Lear is now on display at the HQ of the Fuerza Naval del Golfo in Tuxpan, Veracruz-Llave state.

Panama

Servicio Nacional Aeronaval (CG)

The Panamanian Coast Guard Air Service has received its ordered Beech 350 in September. Touted as "the first air surveillance aircraft in Central America" (as you may know, Mexico is considered a part of North America), we have good reason to believe the King Air is equipped with a sensor suite. Panama is often used as a hub to bring narcotics from South America to the US and the King Air will help the coast guard to combat the illicit flow of drugs. As Panama has no standing army, the coast guard aviation service is the only armed aerial branch.

Beech 350ER

AN-401	ex N1137E	d/d sep19	FL-1137
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Venezuela

Aviación Militar Nacional Bolivariana (AF)

Mi-172

61029	Grupo 4	f/n, ex 1402	862M43
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Ejército Nacional Bolivariano (AR)

Bell 206B-3

EB-00962	711 BH	f/n, ex ...	jul18
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Bell 412

EB-09593	711 BH	f/n
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Mi-17V-5

00764	711 BH	f/n, ex ...	jul18
00860	711 BH	f/n, ex ...	jul18

Mi-35M2

00864/BH	716 BHM	f/n, ex EV-...	
10071/BH	716 BHM	f/n, ex EV-...	
10072/BH	716 BHM	f/n, ex EV-...	jul18

Further re-registration updates as the armed forces. As you can see, there are two variants of the five-digit serials.

North America

Canada

Royal Canadian Air Force (AF)

CYAW = Shearwater (N.S.)

CYTR = Trenton (Ont.)

EHGR = Gilze-Rijen

C295SAR

.....	final assembly	o/o	183	sep18
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The fuselage of the first C295SAR for the RCAF has been noted on the final assembly line with Airbus Military at Seville. The aircraft should be completed in March 2019.

CH-124B (S-61A)

12441	std CYAW	for display	61-384
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After 12401 and 12431 were put on display in the Shearwater Aviation Museum last August, a third Sea King will be preserved here: 12441 will be put on display across the road from the museum in the new Shearwater Aviation Park.

CP-140 (L-285D)

140102	std CYTR	for display	5689	sep18
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This Aurora was transported by road all the way from Greenwood (N.S.) to Trenton (Ont.) for preservation in the National Air Force Museum of Canada.

CH-147D (CH-47D)

147204 i/a EHGR ex Middletown (DE) **M3058** sep18
The Defense Helicopter Commando (DHC) received a new training aid for the Gate 2 Rotary Wing Training Centre. The hulk of this Chinook arrived on 21 September 2018 at Rijen. Its last known location was Middletown (DE).

United States

Joint US Forces (JF)

Ivan Voukadinov (supplemented with US Navy info from Ryan W. Gilchrist) supplied us a nice short feature and accompanying pictures of a massive exercise that was held in the States. Between 20 and 31 August 2018, the Northern Lightning 2018-2 exercise took place at Volk Field (WI). Northern Lightning focuses on Opposed Air Interdiction against a highly integrated air defence system composed of relevant surface-to-air and air-to-air threats in a contested/degraded operationally-limited (CDO) environment. Emphasis is placed on joint integration of 4th and 5th generation assets from the US Air National Guard, Air Force, Army, Navy and Marines. Participants conducted multiple missions including Offensive Counter Air (OCA), Suppression/Destruction of Enemy Air Defense (SEAD/DEAD), and Close Air Support (CAS). The annual exercise is hosted by the Volk Field CRTC (Combat Readiness Training Center), in conjunction with the 128th Air Control Squadron (ACS), 128th Air Refuelling Wing (ARW), 115th Fighter Wing, Fort McCoy, and the adjoining Hardwood Range which provide realistic and challenging training scenarios for the participants. This year's edition of Northern Lightning was bigger than ever. About 75 aircraft participated with launches of 50+ aircraft taking place twice a day. This included:

8x F-35B	- VMFA-122 / MCAS Yuma (AZ)
8x AV-8B	- VMFA-311 / MCAS Yuma (AZ)
3x F/A-18F	- VFA-32 / NAS Oceana (VA)
3x F/A-18E	- VFA-83 / NAS Oceana (VA)
3x F/A-18E	- VFA-131 / NAS Oceana (VA)
3x F/A-18E	- VFA-105 / NAS Oceana (VA)
3x EA-18G	- VAQ-130 / NAS Whidbey Island (WA)
4x F-22A	- 27th FS / Langley AFB (VA)
5x F-15C & 3x F-15E	- 40th TES / Eglin AFB (FL)
6x F-16C	- 85th TES / Eglin AFB (FL)
6x F-16C	- AATC / Tucson (AZ)
6x F-16C	- 176th FS WI ANG / Madison (WI)
5x T-38A	- 71st FTS / Langley AFB (VA)
5x L-159	- Draken International
2x KC-135	- 128th ARW WI ANG / Milwaukee (WI)
1x DC-10 Tanker	- Omega Contract Air Refuelling

Most of the participants flew from Volk Field with the exception of the 176th FS and 128th ARW that flew from their home bases, and the Omega DC-10 which was based at Rockford (IL). In addition, the F-22s flew directly from Langley (and made a fuelstop at Volk Field before their return the same day to Langley), while the AATC F-16s were co-based with the 176th FS.

On 10 September 2018, the US Government Accountability Office (GAO) published a report on an audit of selected types of USAF, US Navy and US Marines aircraft (on service level average). They did not meet their expected operational serviceability targets between the fiscal years 2011-2016. The reason that the GAO carried out this audit is that the US Department of Defense spends billions of dollars annually to sustain its weapon systems to support current and future operations. Especially, the USAF, USN and USMC are operating many of their fixed-wing aircraft well beyond their

original designed service lives and therefore are confronted with sustainment challenges.

It was stated in the extensive audit report that the three forces' fixed-wing aircraft share a variety of common sustainment challenges, including the age of their aircraft as well as maintenance and supply support issues. Overall, the outcome of the GAO report does say that that the above mentioned challenges have led to half of the aircraft in the review experiencing decreasing availability, and in general, aircraft not being able to meet their expected operational serviceability targets between the fiscal years 2011-2016.

The aircraft mentioned in the GAO audit report included twelve USAF, USN and USMC types, with a total of 2,823 aircraft, reviewed overall. This included the following aircraft: F-16A to D Fighting Falcons, B-52H Stratofortress bombers, F/A-18A to F (Super) Hornets, EA-18G Growlers, C-2A Greyhounds, E-2C/D Hawkeyes, E-8C JSTARS, C-17A Globemaster III, F-22A Raptors and AV-8B Harrier IIs.

United States Air Force (AF)

On 4 September 2018, the Boeing Company announced that the US Federal Aviation Administration has granted the Supplemental Type Certificate (STC) for the KC-46A Pegasus. As reported earlier by Scramble Facebook News (SFN), the FAA granted the type certificate for the Boeing 767-2C on 21 December 2017. The STC makes this aircraft now officially a KC-46. Besides the FAA certification, the US Air Force must grant the aircraft a Military Type Certificate (MTC) so it is allowed to fulfil all (combat) missions. This certificate is expected in the coming months.

Boeing has completed some 3,500 flight hours with six Pegasus, and off-loaded more than three million pounds of fuel during test flights with aircraft like the F-16, F/A-18, AV-8B, C-17, A-10, KC-10, KC-135 and KC-46 aircraft. On 9 September the first KC-46A delivery took place from Everett (WA). Construction number N50217, Boeing 767-2LKC with construction number 41858/1102/VH009, becoming 15-46009 departed Paine Field. The aircraft will be delivered to the 56th Air Refueling Squadron at Altus AFB (OK).

The USAF has selected Boeing-Leonardo's MH-139 as winner to replace their ageing UH-1Ns. With this win, the combination of Boeing and Leonardo defeated bids from Lockheed-Martin and Sikorsky and the Sierra Nevada Corp, which were both offering variants of the UH-60. Boeing-Leonardo will now receive a first payment of USD 375 million for the first four helicopters and to bring these to the USAF-specifications. In total the USAF is planning to acquire 84 MH-139s for a total of USD 2.38 billion. The first new helicopter is expected to be delivered in FY21.

The US Air Force needs an additional 74 operational squadrons to support the US National Defense Strategy. This is what Dr. Heather Wilson, Secretary of the USAF, said in September during the Air, Space and Cyber Conference. In particular the number of airborne control, intelligence, surveillance and reconnaissance (ISR) squadrons needs to increase, Wilson said. Overall, a 24 percent increase in the number of units is needed to compete with Russian and Chinese defence growth and to deter and counter regimes in North Korea and Iran.

In hard numbers, the US Air Force now measures 312 squadrons, where it should be 386. Amongst the 312 current squadrons are forty airborne ISR squadrons. Another 22 are needed on top of that. Furthermore, the existing number of forty tanker units needs to grow by four more. As far as fighter squadrons are concerned, another seven are needed on top of 55 squadrons that are now part of the USAF. The number of bomber units should grow to fourteen instead of the current nine. Space also requires more assets, in line with

president Donald Trump's desire to become a dominant force in space; seven more are needed on top of sixteen existing space units.

The statement by Wilson does not hide the fact that the US already has huge problems providing enough pilots to equip the 312 squadrons now in service. Also, Congress is required to help make budget restraints a thing of the past.

Will there be a new B-52 Stratofortress version? The answer is yes! It is hard to imagine that the US Air Force's first production Stratofortress, a B-52A, already made its first flight on 5 August 1954. The Boeing B-52 has ever since been an integral part of the USAF. A total of 744 B-52s were built, with the last, a B-52H, delivered to the USAF in October 1962. For now, the USAF has strong intentions to update its remaining 74-strong operational B-52H fleet, as requested to the Pentagon in the Fiscal Year 2019 budget (it is possible that the mentioned numbers will be reduced in due time). With the oldest aircraft being from FY60, major upgrades underway and re-engining planned to sustain the B-52H to 2050, it is expected that the service life of the H-model, although as another version (J?), will be extended well beyond ninety years.

At the same time the USAF opts to realise an early retirement of the much younger Rockwell (Boeing) B-1B Lancer and Northrop Grumman B-2A Spirit bomber fleet. Operating within the USAF's Global Strike Command besides the future B-21 Raider, the B-52 is set to play a major role in enhancing standoff capability because of rocket-boosted and air-breathing hypersonic weapons. It is expected that those weapons will be large, making them challenging for the USAF to carry and store them internally. Although funds have been reserved for prototypes, and the USAF has stated that the B-52 is scheduled to be the test launch platform for several of those new hypersonic weapons during the 2019-20 time frame, Scramble assesses that the operational status for an updated Stratofortress in combination with those weapons will not be met before 2022.

With the arrival of two Boeing B-52H Stratofortress aircraft at RAF Fairford (UK) on 5 September 2018, yet another USAF Bomber Assurance And Deterrence (BAAD) deployment to Europe started. B-52H 60-0057 with code BD and 340WPS markings and B-52H 61-0015 with code LA arrived with callsign "Scalp99". It was stated that the bomber task force deployment of Stratofortresses, airmen and support equipment belong to the Air Force Reserve Command's 307th Bomb Wing and Air Force Global Strike Command's 2nd Bomb

Wing, both stationed at Barksdale AFB (LA). Although the BD coded aircraft shows 340th Weapons Squadron markings, which is assigned to the 57th Wing at Nellis AFB (NV), the aircraft normally resides at Barksdale AFB (LA). Both aircraft also participated in international exercise Ample Strike 2018, held in Czechia.

On 27 September 2018 it was announced that Boeing-Saab's T-X has won the USD 9.2 billion contract for the next generation jet trainer that will replace the obsolete Northrop T-38 Talon. The contract will involve some 351 aircraft and will be distributed to units of the USAF's Air Education and Training Command (AETC). The contestants that lost out were Lockheed Martin with their T-50A (based on the Korea Aerospace Industries T-50) and Leonardo Diagnostic/Retrieval Systems (DRS) with their M346-based T-100.

On 27 August 2018, a ceremony was held in hangar 1635 at Edwards AFB (CA) to celebrate the installation of regenerated F-22A Raptor serial number 91-4006. This Raptor, enlisted with the 411th FLTS/412th TW at Edwards, was brought back to life with help of the F-22 Combined Test Force, along with people from Lockheed Martin and Boeing. After the Raptor was on the ground for almost six years, Lockheed Martin and Boeing personnel worked for 27 months at Edwards to restore it back to airworthiness. It was stated that the regeneration included 25,000 man hours and almost 11,000 individual fixes/parts. It is expected that 91-4006, now marked as "412th TW" flagship, will be used for tests at Edwards for the rest of its flying career. Related to the above information: the USAF intends to regain yet another F-22A: serial number 02-4037. It is believed to be repaired with Lockheed Martin Aeronautical Systems Company (LMASC) at Marietta (GA).

In May 2018, the last 56th RQS (Rescue Squadron) Sikorsky HH-60G Pave Hawks left RAF Lakenheath (UK) with destination Aviano air base. This move was already announced in November 2015 with the aim to establish a more strategic and economically suitable location for the rescue squadron. The Pave Hawks have now received the Aviano (AV) tail code to indicate their new home base. In July 2018, three of them were noted: 88-26208, 88-26212 and 91-26353.

All Pave Hawks still sport the big moustache painted on the nose, as they did during their time at RAF Lakenheath. The tail section is now decorated with a small silhouette of Italy. That is all good, but the silhouette lacks the Italian isles of Sicily and Sardinia! We know the geographical knowledge of the Americans is open for improvement, so make the map of Italy complete!



The Taiwanese air shows sometimes provide good photopgraphic opportunities. At Chiayi, this taxiway shot could be taken. (Chiayi, 11 August 2018, Reinier Schreurs)



The 187th Fighter Wing held an open day on 8 September. Of course their red-tailed 87-336/AL was one of the participants that could be photographed. (9 September 2018, Rob van Disseldorp)

On 18 September 2018, Sikorsky, a Lockheed Martin company, announced that final assembly of their first HH-60W Combat Rescue Helicopter Weapons System and Operational Flight Trainers is underway. As written before, introduction of the new helicopters within the USAF is expected in 2020. The first flight of the Whiskey is expected early 2019. Completion of the HH-60W training systems at subcontractor FlightSafety International's facility in Broken Arrow (OK), is expected in the first quarter of 2019.

The Weapons System Trainer will be based at Kirtland Air Force Base (NM), home of the formal HH-60W training unit. The Operational Flight Trainer will be at Moody Air Force Base (GA), site of the first operational unit, 23rd Wing, 347th RQG (ACC), 41st RQS Jolly Green. The HH-60W flight trainers will conform to the highest Federal Aviation Administration standards and include the capability to link with other simulators on the Combat Air Forces Distributed Mission Operations (CAF DMO) network. The flight simulators will train the full aircrew, allowing pilots and special mission aviators to train together in the same device while experiencing more complex and realistic training scenarios.

Sikorsky's current contract with the USAF for the Engineering, Manufacturing and Development (EMD) phase of the programme includes delivery of nine HH-60Ws as well as six aircrew and maintenance training devices, and instructional courseware designed specifically for the HH-60W. The programme eventually calls for 112 helicopters to replace the USAF's aging HH-60G Pave Hawk fleet.

With a new USAF approach, creating enemy aggressor adversary aircraft in large quantities, a new era will soon arrive. After 43 years, when the first USAF aggressor squadrons were founded, shortly after the Vietnam war was stopped, a new era is coming near. The USAF will set a new course in how to deal with the so-called Dissimilar Air Combat Training (DACT).

On 24 August 2018, the USAF formally made an official request for proposals (RFP) for its Combat Air Force Contracted Air Support programme. The RFP states that the USAF has the intention to contract 30,000 adversary air sorties on a yearly basis. This contract will only cover the Continental United States (CONUS), Alaska and Hawaii.

The USAF also wants aircraft for 10,000 Close Air Support (CAS) sorties annually in the CONUS. This to facilitate training of Joint Tactical Air Controllers (JTAC) and Tactical Air Control Parties (TACP). Although not a new concept - the USAF has already been using civilian adversary and CAS

aircraft for the past three years - this contract is out of the ordinary. The planned adversary and CAS contracts, under the name Adversary Air (ADAIR) are likely to be awarded to several aircraft operators given the large-scale needs of the USAF.

The total value of the adversary and CAS contracts would be worth more than USD 7.5 billion over ten years. It is expected that the first of multiple contracts, with unspecified values, will be awarded in mid-2019. Civilian companies like Airborne Tactical Advantage Company (ATAC), Draken International and Tactical Air Support (TacAir) are the most likely bidders for the contracts. These companies have already provided services for previous USAF and US Armed Forces training purposes and operations.

The USAF wants a mix of different fighter adversary aircraft for its fourth and fifth generation pilots to train against. However, as for the performances, all aircraft must have the capability of carrying government electronic countermeasures pods and infrared captive air training missiles. The USAF is also searching for fighter aircraft with top speeds of Mach 1.5, the ability to operate at 50,000 feet and radar with a range of 80 nautical miles. Seeing the USAF demands, Scramble assesses that more companies will benefit from the future contract(s). The past years have seen an enormous influx of imported former military jet aircraft to the United States:

- A-4Ks/ TA-4Ks ex Royal New Zealand AF
- MB339CBs ex Royal New Zealand AF
- MiG-21s ex Polish AF
- Kfirs ex Israel IDF/AF
- Mirage F1s ex French AF
- Mirage F1Ms ex Spanish AF
- CF-5As/ CF-5Bs ex Canadian Forces
- F-5Es/ F-5Fs ex Royal Jordanian AF
- Cheetahs ex South African AF

Strikingly, the USAF still owns two adversary squadrons. The 414th Combat Training Squadron at Nellis AFB (NV) and the 18th Aggressor Squadron at Eielson AFB (AK). At this moment it is unknown what will happen with these squadrons.

On 7 September 2018, F-16Cs from the Wisconsin Air National Guard's 176th Fighter Squadron/115th Fighter Wing arrived at the 31st Tactical Air Base, Poznań-Krzesiny (Poland). Normally stationed at Truax Field Air National Guard Base, near Madison (WI), the F-16s are participating in a bilateral training with Polish Air Force F-16s during Aviation Rotation 18.5, in support of Operation Atlantic Resolve. It was stated that during the rotation the USAF and Polish air forces would

conduct training focused on maintaining joint readiness while building interoperability capabilities. The following WI coded F-16Cs were noted at Poznań-Krzyszyn:

Box!!!

86-0317, 87-0260, 87-0262; 87-0294, 87-0345 (unmarked) and 87-0348 with badger badge markings.

Box end!!!

In the first weeks of September 2018, more information emerged about the latest intentions from the United States Air Force to procure the OA-X light-attack aircraft. As you probably know, the USAF Light Attack/Armed Reconnaissance (LAAR) programme started in 2009. From early 2017 until now, the USAF has made serious efforts to select a new light-attack aircraft. At first glance there seems nothing wrong. But on 6 August 2018, the USAF issued a pre-solicitation notice declaring its intent to acquire a new type of aircraft. This notice, also intended as a Congressional Research Service report shed some more light on the OA-X LAAR programme. As of now it is possible that the USAF might use a so-called Middle Tier Acquisition (Section 804) as a rapid acquisition interim approach that focuses on delivering capability in a period of 2-5 years. This interim approach was granted by Congress in the FY16 National Defense Authorization Act (NDAA) Section 804. The approach consists of utilising two acquisition pathways: (1) Rapid Prototyping and (2) Rapid Fielding. It does this by streamlining the testing and deployment of prototypes or upgrading existing systems with already proven technology. This fast way forward in the programme is urgent, because of continuous disagreements between various parties on need, funding and prototype comparisons, a lot of time is wasted according to the Air Force. And with quite a few other programmes for new aircraft and helicopters (like the T-X training aircraft and new utility helicopters), time is valuable.

A-37A

67-14532 to N132RA **40051** 00

C-130H

74-2065 186th AS MT ANG, ex 36th AS **382-4667** sep18
74-2132 186th AS MT ANG, ex 36th AS **382-4722** sep18
88-4406 357th AS ex 95th AS **382-5159** sep18

C-130J-30

08-8607 39th AS ex RS/36th AS **382-5616** jul18
15-5829 317th AW **382-5829** may18
16-5849 317th AW **382-5849** sep18

C-21A

84-0072 458th AS ex 457th AS **35A-518** nov17
84-0139 458th AS ex 457th AS **35A-587** nov17

C-5M

87-0031 337th AS 47th C-5M conversion **500-117** sep18
87-0039 337th AS 46th C-5M conversion **500-125** aug18

CT-43A-BN

71-1406/RA to N146JS ex Tucson Western **20688/330** jun16

F-15A-9-MC

73-0099/RG Robins AFB ex WR code **42/A033** sep18

F-15C-24-MC

79-0022/- Pueblo to Weisbrod Museum **554/C091** jul18

F-15C-27-MC

80-0004/MA 194th FS OR ANG **638/C153** sep18

F-15SG

05-0003/MO 428th FS **1418/SG3** oct16
05-8366/MO 428th FS new, f/n dec17 dec17
05-8373/MO 428th FS new, f/n aug17 jul18
05-8376/MO 428th FS new, f/n dec17 dec17
05-8378/MO 428th FS new, f/n aug17 aug17

F-16A-10-CF

80-0499/AZ Pueblo to Weisbrod Museum **61-220** jul18

F-16C-30-CF

87-0294 176th FS WI ANG **5C-555** jul18

F-16CM-40-CF

90-0733/WP 35th FS **1C-341** oct17

F-35A-3I

14-5106/HL 34th FS **AF-107** oct17
15-5131/HL 34th FS **AF-122** oct17

F-35A-4

15-5161/LF 63rd FS **AF-136** sep18
15-5162/HL 34th FS **AF-137** dec17
15-5163/HL 4th FW **AF-138** sep18
15-5164/LF 63rd FS **AF-139** jan18
15-5165/HL 4th FS **AF-140** jan18
15-5166/HL 4th FS **AF-141** sep18
15-5167/WA 6th WPS **AF-142** sep18
15-5168/WA 6th WPS **AF-143** mar18
15-5169/LF 63rd FS **AF-144** mar18
15-5170/HL 4th FS **AF-145** mar18
15-5171/LF 63rd FS **AF-146** mar18
15-5172/HL 4th FS **AF-147** sep18
15-5173/HL 4th FS **AF-148** apr18
15-5174/LF 63rd FS **AF-149** sep18
15-5175/HL 4th FS **AF-150** sep18
15-5176/HL 4th FS **AF-151** sep18
15-5177/LF 63rd FS **AF-152** sep18
15-5178/HL 4th FS **AF-153** sep18
15-5179/LF 63rd FS **AF-154** sep18
15-5180/HL 4th FS **AF-155** jun18
15-5181/HL 4th FS **AF-156** jul18
15-5182/LF 63rd FS **AF-157** aug18
15-5183/HL 4th FS **AF-158** aug18
15-5184/HL 4th FS **AF-159** aug18
15-5185/LF 63rd FS **AF-160** aug18
15-5186/HL 4th FS **AF-161** aug18
15-5187/HL 4th FS **AF-162** aug18
15-5188/HL 4th FS '388OG' aug18 **AF-163** aug18

KC-135R

57-1419 133rd ARS NH ANG **17490/T0099** jun18
57-1440/- 351st ARS **17511/T0120** sep18
57-1508 314th ARS **17579/T0188** dec17
62-3551/- 351st ARS **18534/T0602** sep18
62-3580 328h ARS AFRC **18563/T0631** feb18

KC-135T

60-0344/D 351st ARS **18119/T0458** feb18

MC-130P

66-0223/CA Sheppard AFB ex CA ANG **382-4185** mar18

T-38C-50-NO

63-8118/RA 435th FTS ex RA/560th FTS **N5465** mar16

T-38C-55-NO

64-13213/XL 87th FTS w/o 20nov17 **N5642** nov17

T-38C-65-NO

66-8359/EN 87th FTS **N5917** sep18
66-8369/EN 90th FTS **N5939** sep18

T-6A

05-6208/RA 559th FTS gn WWII c/s **PT-356** sep18
05-6209/RA 559th FTS w/o 18sep18 **PT-361** sep18
95-3007/EN 459th FTS gn WWII c/s **PT-11** sep18

TH-1H

73-21776/FR 23rd FTS **13464** aug18

United States Army (AR)

Even though the official order has not yet been placed, the United States Army announced the intention to purchase eleven additional UH-72A Lakota helicopters with Airbus. All eleven are slated to be taken on charge by the training units at Fort Rucker (AL).

Units

A/2-3rd AVN Hunter AAF, Fort Stewart (GA)
B/2-3rd AVN Hunter AAF, Fort Stewart (GA)
12th AVN Davison AAF, Fort Belvoir (MD)
1-101st AVN Campbell AAF, Fort Campbell (KY)



Two U-28As were heading east and stopped at Souda AB, Greece, for fuel. This grey one, 07-0808, was accompanied by white 08-0822. (10 September 2018, Westleigh Bushell)

B/6-101st AVN	Sabre AHP, Fort Campbell (KY)
A/1-111th AVN	PR ARNG, AASF Isla Grande (PR)
A(-)/1-114th AVN	WA ARNG, AASF Gray AAF, Fort Lewis JB (WA)
B(-)/3-126th AVN	MDARNG, AASF Weide AHP, Aberdeen Proving Grounds (MD)
Det.1 B/3-126th AVN	NY ARNG, AASF Greater Rochester IAP (NY)
A/1-137th AVN	OH ARNG, AASF Rickenbacker IAP (OH)
A/2-149th AVN	SC ARNG, AASF McEntire JNGS (SC)
F(-)/5-159th AVN	USARC, ASF Clearwater (FL)
C(-)/1-168th AVN	CAARNG, AASF Sacramento Mather Airport (CA)
1-212th AVN	Lowe AHP, Fort Rucker (AL)
A/1-214th AVN	Wiesbaden AAF (Germany)
1-223rd AVN	Cairns AAF, Fort Rucker (AL)
A(-)/1-376th AVN	NE ARNG, AASF Grand Island, Central Nebraska RAP (NE)
BEST	BEST Aircraft Consolidation Facility, Huntsville (AL)
EAATS	PA ARNG, Eastern ARNG Aviation Training Site at Muir AAF, Fort Indiantown-Gap (PA)
I2WD Flt Act	Intelligence & Information Warfare Directorate at NAS Lakehurst (NJ)
USAAAD Flatiron	(part of 1-223rd AVN), Cairns AAF, Ft Rucker (AL)
USAAAD Yakima	Yakima Training Center (WA)
WAATS	AZ ARNG, Western ARNG Aviation Training Site at AASF Silverbell AHP, Marana (AZ)

Beech 300LW

07-61012 I2WD Flt Act see note **FA-57** sep18

This aircraft has been reported operating out of Lakehurst NAS (NJ) during September 2018. Most likely it is (temporary) allocated to the Intelligence & Information Warfare Directorate at this airfield.

C-20F

91-00108 std 309th AMARG, ex USAPAT **1162** jul18

This Gulfstream used to be operated by the Pacific Flight Detachment.

DHC-8

Previously we reported the Golden Knights DHC-8 to be ..-01607. Pictures clearly show that the correct serial is ..-01609. It is believed that the fiscal year is 2017, but confirmation is still required! While on this topic, Field Aviation was awarded a contract to modify a second DHC-8-300 aircraft for this famous parachute team. The aircraft will be fitted with a P880 weather radar and air operable door. Also, the fight deck will undergo extensive modifications by removing over thirty individual flight and engine instruments and installing five Universal Avionics EF1-890R smart displays as replacement. Unconfirmed reports suggest that these aircraft are designated C-147A by the US military. This could be true, but so far also the official website and Facebook page of the parachute team simply refers to them as DHC-8. When both

DHC-8 aircraft are delivered, it is expected that both C-31A Friendship aircraft currently on strength will be retired.

CH-47F

09-08827	B(-)/3-126th AVN, ex nb	M8827 sep18
09-08829	Det.1 B/3-126th AVN, ex nb	M8829 sep18
11-08830	B(-)/3-126th AVN, ex nb	M8830 sep18
13-08146	B/2-3rd AVN ex B/6-101st AVN	M8146 sep18

OH-58C

70-15126	to N371HC	ex 1-223rd AVN/26B	40677 sep18
70-15280	to N943SC	ex 1-223rd AVN/80K	40831 aug18
70-15563	to N630JT	ex 1-223rd AVN/63G	41114 sep18

EH-60A

85-24465	to N465SN	ex std BEST	70-999 jul18
85-24469	to N769AA	ex std BEST	70-1017 aug18
85-24482	std BEST	ex 1-212th AVN/82C	70-1072 jun18
86-24569	to N166BL	ex std BEST	70-1113 aug18
86-24571	to N166AJ	ex std BEST	70-1130 aug18
86-24572	std BEST	ex 1-212th AVN/72K	70-1132 may18
86-24572	to N160PA	ex std BEST	70-1132 aug18
86-24576	to N166BT	ex std BEST	70-1156 aug18
86-24577	to N160WL	ex std BEST	70-1166 sep18
86-24578	to N878AA	ex std BEST	70-1168 sep18
87-24659	to N160KA	ex std BEST	70-1189 aug18
87-24661	std BEST	ex 1-212th AVN/61H	70-1203 jun18
87-24672	to N372AA	ex std BEST	70-1288 sep18

In addition, EH-60A Black Hawks 85-24482 has N8574D reserved in the US civil aviation register since 28aug18, but this was not yet taken up by the time that this edition went to press.

UH-60A

78-22966	std BEST	ex EAATS	70-029 may18
78-23009	std BEST	ex A/1-111th AVN	70-072 mar18
79-23269	std BEST	ex A/1-111th AVN	70-086 aug18
79-23275	std BEST	ex A/1-111th AVN	70-092 may18
79-23312	to N806PJ	ex std BEST	70-129 sep18
79-23316	to N160DN	ex std BEST	70-133 jul18
79-23318	std BEST	ex nb	70-135 aug18
79-23339	to N160DU, ex std	San Bernardino	70-156 aug18
79-23345	std BEST	ex PA ARNG	70-162 mar18
81-23595	std BEST	ex AZ ARNG	70-317 aug18
82-23675	std BEST	ex nb	70-498 may18
82-23741	to N160EN, ex std	San Bernardino	70-564 aug18
83-23870	to N160EW, ex std	San Bernardino	70-695 aug18
83-23917	to N160NT	ex std BEST	70-742 jul18
84-23959	A/2-149th AVN	ex nb	70-784 sep18
84-23996	std BEST	ex WAATS	70-835 may18
85-24398/98B	1-212th AVN	ex 12th AVN	70-874 sep18
85-24440	to N160UB, ex std	San Bernardino	70-926 aug18
88-26015	std BEST	ex nb	70-1221 jun18

The helicopters listed here as ex std San Bernardino were sold

to Unical Defense Inc. They were reported at San Bernardino (CA) as stored for spare parts reclamation. In a surprise move they have now been allocated civil registrations.

UH-60A+

79-23330	std BEST	ex USAAAD Flatiron	70-147	mar18
87-24589	std BEST	ex A/1-214th AVN	70-1098	may18
87-24643	std BEST	ex A/1-214th AVN	70-1180	may18

HH-60L

85-24388	std BEST	ex nb	70-862	jun18
97-26768	std BEST	ex nb		aug18
97-26769	std BEST	ex USAAAD Yakima		may18
00-26873	std BEST	ex nb		may18
00-26874	std BEST	ex C(-)/1-168th AVN		jun18
01-26895	std BEST	ex C(-)/1-168th AVN		aug18
02-26965	std BEST	ex C(-)/1-168th AVN		jun18
06-27110	to N80VC	ex std BEST	70-3007	sep18
06-27111	std BEST	ex F(-)/5-159th AVN		aug18
06-27112	std BEST	ex F(-)/5-159th AVN		jun18
06-27113	std BEST	ex nb		may18

Black Hawk 85-24388 was converted from UH-60A to UH-60Q standard, it was later re-designated HH-60L.

UH-60L

89-26130	PA ARNG	ex A/1-137th AVN	70-1355	sep18
94-26587	A/2-3rd AVN	ex nb	70-2107	aug18
95-26639/39A	1-212th AVN	ex nb	70-2164	sep18
00-26858	PA ARNG	ex nb		sep18
01-26878	USAAAD Flatiron, ex nb			sep18

UH-60M

..-20665/65B	1-212th AVN	ex nb		sep18
..-20703/03_	1-212th AVN	f/n		sep18
16-20900	1-137th AVN	c/n + FY confirmed	70-4740	jun18

AH-64E

14-03038	1-101st AVN	f/n	NM038	aug18
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UH-72A

12-72239	A(-)/1-376th AVN, ex nb (FY unconfirmed)			sep18
13-72294	A(-)/1-114th AVN, f/n (FY unconfirmed)			sep18

United States Navy (NY)

On 30 August 2018, it became known that the US Ministry of Defense selected the Boeing Company as the manufacturer that builds the first unmanned aircraft to be a permanent part of a US Navy Carrier Air Wing (CVW). The US Navy awarded Boeing with a USD 805,3 million contract in which the company provides the design, manufacturing, development, fabrication, test, verification, certification, delivery and support of four MQ-25A Unmanned Air Systems (UAS), including integration into the CVW to provide an Initial Operational Capability to the US Navy.

The first flight of a Stingray is expected in 2021, with an IOC in 2024. After its first flight, carrier suitability testing will be conducted, as well as carrier modifications to host the Stingray, train the maintainers and pilots, build a sufficient logistics chain, and other criteria to support the 2024 IOC. The US Navy eventually plans to buy 72 more MQ-25As in a programme worth some USD 13 billion. The Stingray will be used as an aerial refueller tanker for the CVW, delivering up to 15,000 pounds of fuel at up to 500 nautical miles from the carrier.

The contract award comes as the US Navy is struggling to keep up the readiness of its F/A-18E/F Super Hornet fleet, which also serves as a tanker for the air wing. Anywhere from 20 to 30 percent of Super Hornet flight hours are devoted to aerial refuelling operations, and cutting those hours is part of Chief of Naval Operations drive to get MQ-25s to the fleet. With the introduction of the Stingray into the US Navy it marks the first step in integrating unmanned and manned aircraft into the future air wing. While the airframe is the most visible portion of the Stingray effort, it is only one-third of the overall programme.

Naval Air Systems Command is developing the carrier-based control station as well as the system to network the aircraft to the carrier and the rest of the air wing in-house, based on the work for the US Navy's Unmanned Carrier Launched Airborne Surveillance and Strike program. The selection of Boeing in the project is a bumper for Lockheed Martin and General Atomics as they had also submitted bids for the MQ-25A work. Northrop Grumman pulled out of the competition in October 2017.

United States Navy unit news

The high-end biennial exercise Valiant Shield 2018 kicked-off on 17 September 2018. The week-long exercise is held at Andersen AFB (Guam), the Northern Mariana Islands (Pacific Ocean) and multiple US Navy ships. Over 160 aircraft from all four US military branches are participating in the seventh iteration of Valiant Shield. There are several live firing exercises at sea (including a SINKEX in which a decommissioned ship is sent to the bottom of the sea) and weapon releases over the Mariana Islands Range Complex. Valiant Shield sees for the first time participation of the US Marine Corps F-35B. The goal of the whole exercise is joint training in maritime interdiction and defensive counter-air operations, as well as personnel recovery, Intelligence, Surveillance, and Reconnaissance (ISR), anti-submarine warfare (ASW) and Command and Control (C2). Flag ship



A special WW2 colour scheme adorns T-6A 05-6208 of the 559th FTS. This was shot at Fort Worth-Alliance Airport (TX). (9 September 2018, Sebastiaan Does)



EP-3E Aries II 157326/326 from VQ-1 was seen by Westleigh Bushell at Chania-Ioannis Daskalogiannis (otherwise known as Souda AB) on 11 September 2018.

is the USS Ronald Reagan (CVN-76) with embarked Carrier Air Wing 5. The US Navy and Marine Corps aviation sees participation of

P-8A Poseidons of VP-8 Fighting Tigers ('LC-xxx') and VP-26 Tritidents ('LK-xxx'), both from NAS Jacksonville (FL);

P-3C Orions of VP-40 *Fighting Marlins* ('QE-xxx') and VP-46 *Grey Knights* ('RC-xxx'), both from NAS Whidbey Island (WA);

EP-3E Aries II of VQ-1 *World Watchers* ('PR-xxx'), also from NAS Whidbey Island (WA);

MH-60S Seahawks of the Andersen based HSC-25 *Island Knights* ('RB-xx');

F-35B Lightning IIs of VMFA-121 *Green Knights* ('VK-xx') and KC-130J Super Hercules of VMGR-152 *Sumos* ('QD-xx') both from MCAS Iwakuni (Japan);

F/A-18D Hornets of VMFA(AW)-225 *Vikings* ('CE-xx') from MCAS Miramar (CA);

MV-22B Ospreys of VMM-265 *Dragons* ('EP-xx') from MCAS Futenma (Japan)

Further we noticed participation of the USAF, F-15C/Ds and KC-135Rs of 18th Wing ('ZZ') from Kadena (Japan), B-52Hs of 2nd BW ('LA') from Barksdale (LA) and E-8Cs of 461st ACW from Robins AFB (GA) and multiple KC-135s.

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

Carrier Air Wing 3, USS *Gerald R. Ford* (CVN-78), AC

Thanks to our correspondent Ryan W. Gilchrist we can report that Strike Fighter squadron (VFA) 83 Rampagers ('AC-2xx') is now confirmed as F/A-18E Super Hornet squadron within CVW-3. The former F/A-18C and former CVW-7 squadron (ex 'AG-3xx') was seen as with its new AC-2xx code/modex during exercise Northern Lightning at Volk Field (WI). The squadron swapped CVW with VFA-86 Sidewinders (which is now F/A-18E 'AG-3xx')

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

After our Scramble Facebook News (SFN) scoop of 26 June 2018, the US Navy revealed by the Tactical Airlift Program Office and the Commercial Modifications and Range Support (CMARS) Team that they accepted their newest commercial-derivative aircraft platform on 30 July 2018, as announced on 6 September 2018.

The Gulfstream G550, with designation NC-37B (BuNo 166379/100, and assigned to Air Test and Evaluation Squadron

(VX) 30 Bloodhounds based at NAS Point Mugu, CA), received structural modifications according to the press release. Further, the G550 will be modified to house specialised telemetry equipment, a range safety and surveillance and communications relay, unique to the Navy's application. This phased-array telemetry system will have the capability to support major programmes in complex, robust and dynamic test environments for many years.

The G550 is slated to serve as the replacement for one of the ageing NP-3D Billboard range monitoring Orions (BuNo 150521/341 of VX-30) operated out of NAWC-WD Point Mugu (CA). The aircraft's AEW structural modifications allow room for installation of a telemetry system and additional equipment to support future missions. On the picture that the US Navy has released the Gulfstream 550 is visible still with its company registration N544GD. Due to the complexity of integrating all AEW capabilities into the aircraft, it is slated to be delivered for Initial Operating Capability by August 2021.

Fleet Replacement Squadron

On 10 September 2018, the US Navy announced that it plans to deactivate Strike Fighter Squadron (VFA) 101 Grim Reapers ('NJ-xxx') at Eglin AFB (FL) on 1 July 2018. The Fleet Replacement Squadron (FRS) for the F-35C Lightning II was activated in 2012 and began flying the F-35C in 2013. One oh One is currently mainly involved in training instructors and test pilots for the F-35C. The squadron will realign (combine) the VFA-101 assets with the other FRS, VFA-125 Rough Riders ('NJ-xxx') at NAS Lemoore (CA). The USN said that the deactivation will co-locate the FRS production of pilots directly into the operational squadrons scheduled for transition to F-35C and meet testing and evaluation requirements for initial operating capability of VFA-147 as the first F-35C deployer in FY21. The move of VFA-101 personnel and aircraft also supports Naval Aviation Warfighting Development Center (NAWDC) advanced training at NAS Fallon (NV).

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

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

E-2D

168596/AG-602	VAW-121	ex NH-601	AA15	aug18
168600/AG-606	VAW-121	ex AG-604	AA19	aug18

F/A-18A

162859/09	309th AMARG	ex 09/VFC-12	391/A327	jul18
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F/A-18E

165792/NH-304	VFA-146	ex FRCSW	1548/E035	aug18
166436/NH-315	VFA-146	ex NH-212/VFA-147	E081	aug18

F/A-18F					
165916/NA-404	VFA-94	ex NJ-120/VFA-122	F062	mar18	
165929/NA-411	VFA-94	ex NJ-105/VFA-122	F075	sep18	
EA-18G					
169127/NL-544	VAQ-132	ex NJ-522/VAQ-129	G118	sep18	
MH-60R					
166570/AG-705	HSM-79	ex TG-33/HSM-35	70-32..	sep18	
168175/AJ-714	HSM-70	f/n	70-4...	sep18	
MH-60S					
167878/AC-614	HSC-7	ex AJ-611/HSC-9	70-3648	sep18	
T-34C					
164160/G-861	SFWSL	ex G-861/VT-28	GL-340	aug18	
P-3C AIP					
158215/215	309th AMARG	ex 215/VQ-1	5560	jul18	
P-8A					
169332/PD-332	VP-9	ex LF-332/VP-26	62698/6385	sep18	
169345/345	Boeing	f/f 05jun18	63195/6876	sep18	
169346/346	Boeing	f/f 07jun18	63196/6909	sep18	
169347/347	Boeing	f/f 27jun18	63197/6941	sep18	
169348/348	Boeing	f/f 25jul18	63198/6974	jul18	
169349/349	Boeing	f/f 14aug18	63758/7004	sep18	
169426/426	Boeing	f/f 31aug18	63759/7044	sep18	
169542/542	Boeing	f/f 24sep18	64073/7074	sep18	

169346 is already the 100th P-8 built.

United States Marine Corps (NY)

The US Marine Corps F-35B Lightning IIs on board the USS Essex (LHD-2) are the only ship-based fixed-wing aircraft in the Middle East at this moment. The jets, assigned to the 13th Marine Expeditionary Unit (MEU) can be tasked by 5th Fleet and US Central Command at any time from now over Syria, Iraq or Afghanistan. If that happens, it will be the first combat action for the Lightning IIs.

The F-35s (all equipped with the Block 3F software) from Marine Fighter Attack Squadron (VMFA) 211 Wake Island Avengers ('CF-xx') are ready for any kind of operation that may arise in CENTCOM. The Block 3F provides the Lightning IIs a full warfighting capability so it can operate in contested areas, including anti-access/area-denial environments. This provides more lethality and flexibility to the planners and the commanders. The F-35s are able to work with weapon loads on external pylons, or on internal weapons only to preserve its stealth capability.

USNI reported: Whereas the US military faced relatively uncontested air space over Afghanistan and Iraq for the better part of the last seventeen years, the fight over Syria is much more complex. The Syrian government has its own jets in the air and air defence systems on the ground. Russian forces and other players complicate the air space, as the US has tried to provide close-air support for US and partner forces on the ground.

The Essex Amphibious Ready Group with 13th MEU chopped into US 5th Fleet to support Operation Inherent Resolve and Operation Freedom's Sentinel at the beginning of September 2018 as the sole capital ship in the region. No super carriers have been in the region since USS Harry S. Truman (CVN-75) stopped conducting strikes against the Islamic State from the Mediterranean in mid-June, and no carriers have operated from within the 5th Fleet area of responsibility since USS Theodore Roosevelt (CVN-71) sailed from 5th Fleet into 7th Fleet in late March.

FRCE = Fleet Readiness Center East, Cherry Point (NC)
FRCSW = Fleet Readiness Center South West, North Island (CA)

KC-130J				
169230/QB-230	VMGR-352	del	382-58..	aug18

F/A-18A				
162859/09	309th AMARG	ex 09/VFC-12	391/A327	jul18

F/A-18B				
162842/MA-24	309th AMARG	ex MA-24/VMFA-112	364/B059	aug18
162864/MA-23	309th AMARG	ex MA-23/VMFA-112	402/B067	aug18
163115/MA-22	VMFA-112	ex 215/VMFAT-101	511/B088	sep18

F/A-18C				
164896/WS-403	VMFA-323	ex NH-403/VMFA-323		aug18
165220/WS-401	VMFA-323	ex AD-303/VFA-106	1403/C445	aug18
165526/WS-400	VMFA-323	ex AJ-403/VFA-37	1457/C466	aug18

F-35B				
168310/DC-06	VMFA-122	ex CF-06/VMFA-211	BF-14	sep18
169589/CF-04	VMFA-211	del	BF-64	sep18
169590	VMFA-122	del	BF-65	sep18
169591	LMTAS	f/n	BF-66	aug18

AH-1W				
160105/ET-33?	309th AMARG	ex ET-33/VMM-262?	26070	aug18
163950/TV-35	HMLA-167	ex YS-35/VMM-162		sep18

UH-1Y				
168046	309th AMARG	ex ?	55138	jul18
168512/EH-42	VMM-264	ex YM-42/VMM-365	55176	sep18

AH-1Z				
168050/VT-	HMLA-367	ex SN-47/HMLA-169	59017	aug18
169267/QT-693	HMLA/T-303	f/n	59258	sep18

CH-53E				
161383/EN-04	HMH-464	ex YS-21/VMM-162	65-440	aug18

AV-8B				
164117/WE-25	309th AMARG	ex WE-25/VMA-214	194	aug18

AV-8B+				
165002/WL-07	VMA-311	ex WE-12,VMA-214	258	sep18

MV-22B				
165948/GX-30	VMMT-204	ex GX-37	D0049	sep18
165956/EG-07	VMM-263	ex FRCE	D0040	sep18
166391/EG-15	VMM-263	ex GFRCE	D0058	sep18
168022/YQ-11	VMM-268	ex YZ-09/VMM-America	D0152	jun18
168224/ET-03	VMM-262	ex EP-05/VMM-265	D0174	sep18
168666/EH-13	VMM-264	del	D03xx	aug18
168667/YP-04	VMM-163	del	D03xx	aug18
168668	Bell-Boeing	f/n	D03xx	jun18

United States Coast Guard (CG)

HC-130J				
2009	Kodiak	del	382-5774	aug18

MH-60T				
6024	Elizabeth City	ex San Diego	70-1706	sep18

National Aeronautics and Space Administration (GV)

On 5 September 2018, T-34C N603NA (construction number GL-415) was added to the NASA John H. Glenn Research Center at Lewis Field, Cleveland (OH) fleet. This former US Navy Turbo Mentor (BuNo 160959) was operated by Training Wing 5 ('F') at NAS Whiting Field (FL) from the early nineties. It was then reported with the US Army Aviation Engineering Flight Activity at Edwards AFB (CA) from October 1993 to September 1998, and reported with the US Army Aviation Technical Test Center in February 2005 to 2007. It was reported with NASA as N603NA from 5 September 2018.

Credits

Alexis Antonakis, Danny Bonny, Fabrizio Capenti, Ian Carroll, J.J. de Groot, Jeff Hamilton, Joris Heeren, Rafael Hernandez, Thomas Hirt, Charlie Hugo, Andy Marden, Daniele Mattiuzzo, Iain McKenzie, Joris Heeren, Klaas van Os, Dennis Peteri, Jeff Rankin, Oscar Sannen, Jos Stevens, Jeff Wallace, Peter Weinert

Abbreviations

AF = Air Force	GV = Government
AG = Agricultural Aviation	JF = Joint Forces
AR = Army	NY = Navy
CG = Coast Guard	PO = Police
DF = Defence Forces	SV = Survey

Showreports



Part of the openings flypast at this years SIAF at Sliač were this at A319-115 OM-BYA and MiG-29AS 3709 (1 September 2018, Jim Walg)

Yeovilton (United Kingdom)

International Air Day 7 July 2018

Static:

M3	SA316B	40sq
130614	CC-130J	436sq
ET-198	F-16BM	Esk 727
18	NH90-NFH	31F
276	Lynx HAS4	34F
60+06	P-3C	MFG 5
07 bl	C-27J	Transporto Esk
16 bl	L-39ZA	Naikintuvu Esk
23 bl	Mi-8T	Straigtasparniu Esk
N-258	NH90-NFH	860sq
S-456	AS532U2	300sq
213/MAJ	C-130J-30	12sq
96-0002	C-17A	437th AW
168764/LD-764	P-8A	VP-10
ZZ500	Avenger T1	750 NAS
XX157/CU	Hawk T1A	736 NAS
ZH801/001	Sea Harrier F/A2 (ZH800)	
ZH847/66	Merlin HM2	814 NAS (Eastern end)
ZJ129/N	Merlin HC4	845 NAS
XV586/010-R	Phantom FG1	FAAM
ZM306	Prefect T1	3 FTS
VR930/110-Q	Sea Fury FB11	RNHF
WV856/163	Sea Hawk FGA6	FAAM
XV666	Sea King HU5	HeliOperations Ltd
XZ574	Sea King HAS6	FAAM
G-BYXS/XS	Tutor T1	727 NAS
XT778/430	Wasp HAS1	FAAM
XT765/J	Wessex HU5	FAAM
ZZ390	Wildcat AH1	1 Regt (661sq) (covered)
ZZ407	Wildcat AH1	1 Regt (659sq)
ZZ522	Wildcat HMA2	825 NAS
ZZ528	Wildcat HMA2	825 NAS (Eastern end)
G-AHKX	Anson 2	as TX176
G-ANHX	Auster 5D	ex TW519/ROA-V
G-BARS	Chipmunk 22	ex Portugal 1377
G-BCPU	Chipmunk 22	ex WP973
G-BNGE	Auster AOP6	ex TW536
G-BURR	Auster AOP.9	ex WZ706
G-BVGE	Whirlwind HAR10	ex XJ729
G-BWMK	Tiger Moth	ex T8191
G-CBAN	Bulldog T1	ex XX668/1

G-CIBW

G-CICR

G-CVIX

G-ETPH

G-KAXT

G-SARO

G-YAKX

G-ZZLE

N5308G

Hangar 4:

ZJ135/T, ZJ138/W

ZZ385

Hangar 6:

ZJ136/U

Hangar 7:

ZH842

ZZ378

G-BYVF/VF

Hangar 8:

NF389

G-FDHB

The Bristol Scout was a replica.

Flightline-South side:

XX324/324

XX329/844-CU

ZK352/352

FA101

FA129

E-607

(520)

529

D-HTDM

OE-XSY

Flightline-North side:

ZA126/91

ZJ118/B, ZJ130/O

ZZ380, ZZ533

ZZ384, ZZ408

188776

188783

9239

5

Scout AH1

Auster AOP9

Sea Vixen D3

H125

Wasp HAS1

Skeeter AOP12

Yak-52

Gazelle HT2

L-19A

Merlin HC3i

Wildcat AH1

Merlin HC3i

Merlin HM2

Wildcat HMA2

Tutor T1

Swordfish III

Bristol Scout C

Hawk T1A

Hawk T1A

Typhoon FGR4

F-16AM

F-16AM

F-16AM

F-16C

F-16C

F-16C

Bo105CB-4

Sycamore HR52

'XG545', Flying Bulls

Sea King ASaC.7

Merlin HC3i

Wildcat HMA2

Wildcat AH1

CF-188

CF-188

JAS39C

Falcon 50M

ex XT626/Q

ex XR244

Navy Heritage, XP924

QinetiQ

ex XT787

ex XL812

27 red

ex XX436/39-CU

O-16957

846 NAS

1 Regt (661sq)

846 NAS

824 NAS

825 NAS

727 NAS

frame only

as 264

736 NAS

736 NAS

29sq

2w

2w

Esk 727

340 Mira

340 Mira

Flying Bulls

'XG545', Flying Bulls

849 NAS

846 NAS

815 NAS

847 NAS

410sq

433sq

211.tl

24S

19, 34	Rafale M	11F
F-AZPF	CM175	ex Aeronavale 28
G-ADND	Hornet Moth	W9385/YG-L/3
G-BMGC	Swordfish I	ex W5856/4A, RNHF
G-BZME	Bulldog T1	ex XX689/9
G-CBSI	Gazelle HT3	ex XZ934
G-CBSK	Gazelle HT3	ex ZB627/A
G-RNHF	Sea Fury T20	ex VX281/120-VL
N104CJ '18 r'	SBLim-2	ex Poland 104

Hawk T1/A*of the Red arrows:

XX219*, XX242, XX245, XX278*, XX310
XX311, XX319*, XX322*, XX325

Historic squadron:

G-KAMY	AT-6D	285088
G-IASM	Super King Air 200	

EA300LX Royal Jordanian Falcons:

JY-RFA/RJF01, JY-RFB/RJF02, JY-RFC/RJF03, JY-RFD/RJF04

Heli pad:

G-BYBI, G-TREE	JetRanger 3	(joy rides)
G-LONE, G-VVBO	LongRanger	(joy rides)
G-SASR	MD-900	(air ambulance)

FAAM Workshop(open):

(DP872)	Barracuda II	(front fuselage)
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Flying only:

ZA683	Chinook HC6A	27sq
ZA947	Dakota C3	BoBMF
OE-FDN	SC7-3M-400	ex Botswana OC-2

The Skyvan was in a photoshoot with the Chinook.

Westover ARB, MA (USA)

Great New England Air Show 15 July 2018

Static:

79-0084/ID, 78-0584/ID	A-10C	190th FS ID ANG
78-0625/ID	A-10C	190th FS ID ANG
61-0017/BD	B-52H	93rdBS AFRC
87-0037	C-5M	337th AS AFRC
69-0024	C-5M	436th AW
85-0034	KC-10A	305th AMW
99-0165	C-17A	89th AS AFRC
92-3021	C-130H	910th AW AFRC
14-5797	AC-130J	1st SOW
58-0023	KC-135R	33rd ARS NH ANG
84-0023/MA	F-15C	131st FS MA ANG
89-0482/SJ	F-15E	333rd FS
91-0355/SW, 98-0003/SW	F-16CM	55th FS
86-0336, 87-0326	F-16C	134th FS VT ANG
08-0746/EG, 08-0750/EG	F-35A	58th FS
90-0401	T-1A	99th FTS
06-3844/CB	T-6A	41st FTS
67-14831/WM	T-38A	394th CTS
68-8185/TY	T-38A	2nd FTS
71-8277	UH-1N	1st HS
09-20183	UH-60M	nn
..	AH-64D	nn
162148/631	C-2A	VAW-120
165817/652	E-2C	VAW-120
168253/AC-502	EA-18G	VAQ-130
168254/AC-503	EA-18G	VAQ-130
165274/HF-61	AH-1W	HMLA-269
165802/HF-80	UH-1Y	HMLA-269
168852/852	P-8A	(VP-45)
166011/E-011	T-6B	TW-5
168643/GX-00	MV-22B	VMMT-204
2308	HC-144A	Cape Cod
N3193G/GD-Y	B-17G	ex USAAF 44-85829
N473CP	GA-8	Civil Air Patrol

Flying Park:

87-0039	C-5M	337th AS AFRC
07-7185	C-17A	437th AW
61-0295	KC-135R	97 AMW
85-01607	C-31A	Golden Knights
BR601	Spitfire L XFG	Collings Foundation
N119H/A7-K	P-51D	ex 44-73275

N82GA	SBD-5	private
N40402	TBM-3	private
N9964Z	FG-1D	private
N933GC	CT-133	ex Canada 21306

Plus the unidentified Thunderbirds F-16s.

JASDF Chitose (Japan)

Air Show 22 July 2018

20-1101, 20-1102	B747-47C	701 Hikotai
95-1081	C-130H	401 Hikotai
13-8562	F-2A	3 Hikotai
07-8428	F-4EJ	302 Hikotai
12-8803	F-15J	203 Hikotai
76-8689	F-104J	Preserved
27-4487	CH-47J	HAS Misawa
78-4567	UH-60J	ARW Chitose
96-5773	T-4	203 Hikotai
92-3010	U-125A	ARW Chitose
73470/IATH	AH-1S	1 Taisensha Herikopotatai
41810/NH	UH-1J	Hokubu Homen Herikopotatai
8289	SH-60J	25 Kokutai
5081	P-3C	2 Kokutai

F-15J of 201 Hikotai:

32-8818, 42-8844, 52-8853, 62-8873, 82-8896 & 22-8934

T-4 Blue Impulse:

66-5745/1, 06-5787/2, 26-5692/3, 46-5731/4,
06-5790/5, 16-5666/6, 26-5805

Abbotsford, BC (Canada)

Abbotsford International Air Show 12 August 2018

Static:

12417	CH-124A	443sq
148820	CH-148	nn
149915	CH-149	442sq
188940	CF-188B	410sq
(188)942	CF-188B	nose only
155203, 155207	CT-155	419sq
156108	CT-156	NFTC
79-0154/DP, 79-021/DP	A-10C	47th FS AFRC
87-0042	C-5M	60th AMW
05-1466	C-130J-30	115th AS CA ANG
08-6206	MC-130J	415th SOS
168928/NJ-156	F/A-18F	VFA-122
166981/NJ-171	F/A-18F	VFA-122
165775/FW	MH-60S	Whidey Island
6504	MH-65D	USCG

Flightline:

12405	CH-124A	12 Wing
188776	CF-188	410sq
188923, 188937	CF-188B	nn
79-0202/DM, 80-0151/DM	A-10C	355th FW
86-0345, 88-0401	F-16C	120th FS CO ANG
164763	C-130T	Blue Angels

CT-114 Snowbirds:

114054/1, 114051/2, 114009/3, 114090/4, 114058/6, 114131/10 + 4

F/A-18B*/C/D^of the Blue Angels:

163766/1, 163485/2, 163439/3, 163464^/4, 163741/5, 163462/6,
162419*/7

Cascade Aviation:

N402CH	EC-130Q	ex USN 161531
130308, 130327 +1	CC-130E	fuselage only
130338	CC-130H	
130609	CC-130J	436sq
XV214	Hercules C3	fuselage only
155205, 155221	CT-155	nn
C-GBPD	CL-215	
(C-GHDY)/73 (C-FJOH)/76	S-2A	

Babie Doly (Poland)

Aerobaltic 17-19 August 2018

Static:

5245	Mi-2D	43.BLotM
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The Pakistany did send two JF-17s to Poland for the air show at Radom. Both were all green PAC aircraft flown by 14sq pilots. They did operate from Deblin were they were seen on the open day (JF-17 12-138, Deblin, 23 August 2018, Ian French)

1011	Mi-14PL	44.BLotM	0204	M-28B/TD	42.BLSz
163544	SH-2G	43.BLotM	3811	Su-22M-4	instructional
SP-ISS	Beech C90A	ISS Polska	4118	MiG-29G	instructional
<u>Flightline east:</u>			(80)-0561	F-16A	instructional
F-AZYF	Yak-3U	new built	201	Su-22UM-3K	instructional
G-BBKH	AT-16ND	ex Netherlands B-158	0852/SP-NAN	An-2T	Deblin Aeroclub
N41CQ	C-47B	ex Canada 12906	SP-AWK	Yak-12M	ex Poland 665
SE-DXB	J29F	ex Sweden 29670/10	<u>Tent Hangar:</u>		
SE-DXG	Sk60E	ex Sweden 60140/40	6617	SW-4	41.BLSz
SE-DXO	SK37E	ex Sweden 37809/61	1629	TS-11bis DF	58.el
SE-DXR	J35J	ex Sweden 35556/56	<u>1st Hangar (right from static):</u>		
SE-RME	J32D	ex Sweden 32606/06	6610	SW-4	41.BLSz
SP-YBC	TS-11bisD	ex Poland 1214	8219	Mi-2URP	41.BLSz
SP-YIX	T-6H-4	ex Italy MM53846	1917	TS-11R	58.el
<u>Baltic Bees, L-39C:</u>			<u>2nd Hangar:</u>		
YL-KSH/1, YL-KST/2, YL-KSZ/3, YL-KSM/4, YL-KSL/5, YL-KSP/6			4545	Mi-2RL	41.BLSz
<u>Royal Jordanian Falcons, EA330LC</u>			5338	Mi-2R	41.BLSz
JY-RFA/RJF01, JY-RFB/RJF02, JY-RFC/RJF03, JY-RFD/RJF04			5831	Mi-2D	41.BLSz
<u>Team Orlik, PZL130TC-II:</u>			3607, 4606	Mi-2PSz	41.BLSz
030, 031, 032, 037, 041			6614, 6616	SW-4	41.BLSz
<u>Flightline west:</u>			6608	SW-4	wreck, under tarpaulin
HB-RBN	P3-03	ex Swiss A-813	<u>3rd Hangar:</u>		
HB-RBP, HB-RCH	P3-05	ex Swiss A-835, A-818	6601, 6609, 6611, 6613	SW-4	41.BLSz
HB-RCL, HB-RCQ	P3-05	ex Swiss A-873, A-815	6615, 6620, 6623	SW-4	41.BLSz
SP-KBA	An-2T		<u>4th Hangar:</u>		
<u>Military aprons:</u>			1403	TS-11	instructional
0404	M-28B Bryza	44.BLotM	015	Mi-24D	instructional
0210, 0212	M-28B/TD	42.BLSz	4547	Mi-2TSz	instructional
0209, 0304, 0506	W-3WARM	43.BLotM	619	Mi-8RL	instructional
Aerobaltic is organized on the combined civil-military airport of Gdynia, Babie Doly and along Gdynia beach. Participants consisted mostly of light demo aircraft and warbirds. The dual-Viggen in splinter-camo which was brought back to flying status just before the summer season, was the most notable aircraft in the line-up.			6612	SW-4	instructional

Deblin (Poland)

Air Show 23 August 2018

Static:

LX-N90459	E-3A	NAEW&CF
6619	SW-4	41.BLSz
7702	M346	48.el
6046	Mi-2Ch	41.BLSz
4543	Mi-2TS	41.BLSz
1708/4	TS-11bis DF	58.el/Team Isksa

TS-11bis DF, (ex) 41.BLSz:

1606, 1612, 1614, 1615, 1617, 1622, 1624, 1626, 1630, 1705, 1718

Radom (Poland)

100 years Polish Air force 25-26 August 2018

Static:

1129/RI	Saab J105Ö	Düsentrainerstaffel
CH10	C-130H	20sq
31+00	EF2000	TLG74
MT55229	T-346	Leonardo

07	C-27J	Transporto Esk		<u>Flightline Central Apron:</u>		
J-882	F-16BM	313sq	\$	1140/BJ	Saab J105Ö	Düsentrainerstaffel
97-6391	MFI-395	PAC Kamra		9234	JAS39C	211.tl
0001	G550	1.BLTr		0207	M-28B/TD	42.BLSz
014	C295M	8.BLTr		G-BBHK "FH153/58"	AT-16ND	ex Netherland B-158
048	PZL 130TC-2	42.BLSz		SP-YIX "KF584"	T-6H	ex Italy MM53846
0205	M-28B/TD	42.BLSz		<u>Hawk Mk51*/A of HävLLv 41/Midnight Hawks:</u>		
631	Mi-8S	1.BLTr		HW-341*/1, HW-357/2, HW-354/3, HW-353/4, HW-352/7		
1014	W-3WA	1.BLTr		<u>PZL 130TC-2 of 42.BLSz:</u>		
1209	TS-11bisD	pres. nose only		030, 031, 032, 037, 041, 047		
4054	F-16C	31.BLT		<u>Flightline eastside</u>		
732	Mi-24V	49.BLot		FA92	F-16AM	2w
0810	M-28B-1RM	44.BLotM		FA101	F-16AM	2w
0819	W-3PL	56.BLot		31+11	EF2000	TLG74
0904	W-3WA	66.dlot		529	F-16C	343 Mira
6102	Mi-8MT	1.dlot		536	F-16C	340 Mira
2706	C-27J	Esc 902/Av Tr		4053, 4055	F-16C	31. BLT
44 bl	An-26	456TAbR	9603	T.21-13/35-51	C295M	Ala 35
63 bl	Su-25UB	299 BrTa	38221036703	<u>T-339PAN (MLU) 313°Gr / Frecce Tricolori:</u>		
ZK348/348	Typhoon FGR4	6sq		MM54500/1, MM54517/2, MM55058/3, MM55053/4		
92-1533	C-130H	87 th AS WY ANG		MM5 . . . /5, MM54538/6, MM55054/7, MM54514/8		
SP-MLP	An-2TD	ex Poland 7447		MM54539/9, MM54505/10, MM54534/0		
SP-SIA	SW-4			<u>F-5E of Patrouille Suisse:</u>		
<u>Static in front of hangar 1:</u>				J-3081, J-3082, J-3083, J-3084, J-3085, -3090		
1910	TS-11R	58.el		<u>Flightline grass eastside</u>		
5344	Mi-2R	41.BLSz		3362	Mi-35	221.vrl
6606	SW-4	41.BLSz		9781	Mi-171Sh	222.vrl
7704	M346	48.el		0419	W-3RL	2.gpr
<u>Hangar 1:</u>				<u>Flightline South-East</u>		
4713	Mi-2P	41.BLSz		055, 057, 059	PC-9M	EA/Krila Oluje
025	PZL 130TC-1	stored		064, 067, 069	PC-9M	EA/Krila Oluje
<u>SW-4 of 41.BLSz:</u>				<u>C101EB AGA/ Patruilla Aguila:</u>		
6602, 6604, 6605, 6607, 6618 6621, 6622, 6623				E.25-31/79-31/1, E.25-13/79-13/2, E.25-06/79-06/3		
<u>Parked/stored behind hangar 1:</u>				E.25-12/79-12/4, E.25-63/79-17/5, E.25-38/79-38/6		
024, 026, 035, 044, 049	PZL130TC-1	42.BLSZ		E.25-25/79-25/7 E.25-25/79-25/7		
<u>Hangar near Fire Department:</u>						
0203, 0209, 0211	M28B/TD	42.BLSZ				



Next to the JF-17 display, the Pakistan participation at the Radom 2018 show consisted of MFI-395 Super Mushshak trainer on static display. Wearing the national white and green colours is 97-6391/391, in use by the PAC factory since November 2003. (Radom, 26 august 2018, Raymond van Dijkhuizen)

L-39C of Baltic Bees:
YL-KSH/1, YL-KST/2, YL-KSZ/3, YL-KSM/4, YL-KSL/5, YL-KSP/6

Flightline grass center

SP-CAG Yak-12A
SP-CYC MS880B
SP-KBA An-2 Aeroclub Elbląski

EA330XL Royal Jordanian Falcons:

JY-RFA/RJF01, JY-RFB/RJF02, JY-RFC/RJF03, JY-RFD/RJF04

Flying only:

LX-N90459 E-3A NAEW&CF
12-138 JF-17 14(AS)sq
SN-31XP/A-022 W-3 Lotnictwa Policja
7703, 7705 M346 41.BLSz
7707, 7708 M346 41.BLSz
88-0029 F-16C 132 Filo \$

TS-11bisDF of 58.el/team Iskra:

2011/1, 2008/2, 2009/3, 2006/6, 2007/7, 2013/10

All Aircraft were operating from Deblin Airport.

Preserved

027 PZL 130 TC-1 preserved
821 TS-11 preserved mkd as 4938

Changchun-Dafangshen (China)

Airshow 30 August -2 September 2018
Each year the Chinese Air Force starts the school year properly with an open house on the homebase of the Aviation University Flight Instructor Training Base. All aircraft had arrived about a week before the actual open house. The initial days were intended for military personnel, including 1400 pilots that had graduated over the last twelve months. The airshow for the general public was interesting with high performance jet fighters flying including extensive use of flares by helicopters and fighters, a dog fight between the J-10 and J-11 and assault roping using the CSAR helicopter. Domestic pride Ba Yi was represented by only one J-10 as all the other aircraft had just performed at Kubinka near Moscow.

Static

4970/90 CJ-6A AviationUniv. FITB/3rd Reg
.. H-6A
61748 J-8F 3rd Brigade
67227 J-10B 61st Brigade
64220 JH-7A 31st Brigade
4270/20 JL-8 Aviation Univ. FITB/3rd Reg
1631 JL-9 Harbin FA/3rd Brigade
78436 JL-10 172nd Brigade
30078 KJ-500 26th Div/76th Reg
69164 Su-30MKK 85th Brigade
1128/18 Y-7 Harbin FA/2nd Br
3352/32 Y-8C Xi'an FA/5th Brigade
10250 Y-9 4th Div/10th Reg
11056 Y-20A 4th Div/12th Reg
6121 Z-8KA 15th Airborne Corps
6322 Z-10K 15th Airborne Corps

Flying

01, 02, 03, 04, 05, 07 CJ-6A Flying Wings Display Team
08 +2 CJ-6A Flying Wings Display Team
67125 J-10B 61st Brigade
09 J-10S Ba Yi
70209 J-11BS 89th Brigade
02, 03, 04, 06, 07, 08, JL-8 Red Falcon Display Team
09, 12 +1 JL-8 Red Falcon Display Team
78437 JL-10 172nd Brigade
6026 Z-8KA 15th Airborne Corps
6223 Z-9WZ 15th Airborne Corps

Sliach (Slovakia)

SIAF 1-2 September 2018

Static:

7L-WE EF2000 ÜbwGeschwader
44 JAS39D MH 59. Sz.D. REB
MM55222/61-21 T-346A 212° Gruppo

MM62214/46-84
MM81823/15-51
0841
1521
1962
5253
024
4060
956
6627/SL
C.15-59/12-17
T.21-11/35-49
73-1023
77-0296
ZJ923, ZJ924
D-EEFU
N6123C
OE-EAS/RB
OM-ATT

Shelter 9:

6425/SL

Shelter 10:

7640

In front of shelter 10:

4701
5302

VIP Area:

OM-BHK

Northern flight line:

9241
E48/8-MH
44+65
4054
0619
1303/SL
2022
C.15-57/12-15
93-057
N3665F /JC-54
SE-KVD/98

Very unusual as the Alpha Jets of the patrouille de france remained unidentified, Although they were at kleine Brogel a week later, we cannot 100% confirm that these are the same aircraft. Plus an unidentified C-130

Southern flight line:

H29
7358
0845
5251, 5301
3709, 6526/SL
7641, 7642
OM-BYD
D-HTDM
OM-EXT
OM-PAC

Opening flight:

1st fly-by:

0845
7641, 7642

2nd fly-by

1931
5301

3rd fly-by

3085
9237, 9241

4th fly-by

3709, 6526/SL
OM-BYA

5th fly-by

OM-BYA
OM-BYC

Preserved:

9501/SL

C-27J
HH-139A
Mi-17
L-410FG
C-27J
L-39CM
C295M
F-16C
Mi-24V
MiG-29AS
EF-18M
C295M
F-4E-2020
F-4E-2020
Typhoon FGR4
MS.880
B-25J
F4U-4
Bell 429

MiG-29AS

UH-60M

L-39ZAM
L-39CM

UH-60A

JAS39C
Alpha Jet E
Tornado IDS
F-16C
MiG-29AS
MiG-29UBS
MiG-29A
EF-18M
CN235M-100
SNJ-5
Sk50

A109BA

Mi-24V
Mi-17
L-39CM
MiG-29AS
UH-60M
Bell429
Bo105CBS-4
EA330SC
Ce182Q

Mi-17
UH-60M

C-27J
L-39CM

A319-115
JAS39C

MiG-29AS
A319-115

A319-115
Fokker 100

MiG-21MF

98° Gruppo TM
81° Centro AE
Vrtulnikové křídlo
1 Dopravná letka
1 Dopravná letka
2 Výcviková letka
8.BLTr
31.BLT
49.BLot
1 Bojová letka
Ala 12
Ala 35
111 Filo
111 Filo \$
II(AC)sq
n/t
Flying Bulls ex 44-86893
Flying Bulls ex USN 96995
Air Transport Europe

1 Bojová letka

1 Vrtul'niková letka

2 Výcviková letka
2 Výcviková letka

ex USAR 81-23552

211.tl
EE03.008
TLG51
31.BLT
1 Bojová letka
1 Bojová letka
std
Ala12
201 Filo
ex USN 84930
ex KSF 50050

17sq/1w \$

221.vrl
Vrtulnikové křídlo
2 Výcviková letka
1 Bojová letka
1 Vrtul'nikova letka
Letka policajná
Flying Bulls

Compact Skydive

Vrtul'nikové křídlo
1 Vrtul'nikova letka

1 Dopravná letka
2 Výcviková letka

241.dlt
211.tl

1 Bojová letka
LU-MV SR

LU-MV SR
LU-MV SR

preserved, barracks

1730	L-39ZAM	preserved
7501/SL	MiG-29A	preserved.
7801/SL	MiG-21MF	preserved.

Hradec Kralove (Czechia)

CIAF 1-2 September 2018

Static:

71 bl	Su-27UB	831BrTa	96310424043/
76413	Il-76MD	25TrAB	
ZF293, ZF379	Tucano T1	72Sq	
ZK362/362, ZK426/426	Typhoon FGR4	XI(F)Sq	
D-IAEB	BN2A-8	Air Hamburg	
OK-GIC	An-2TD	Elmontex Air	
OK-HFL	An-2R	Aerovia	1G217-21
OK-MAC	A-119	Heli Czech	
OK-NOH	Zlin 142	AeroTec	
OK-XIG	An-2T	Aerovia, ex 9870	

Flightline:

58 bl	Su-27P	831 BrTa	63911035612
OK-DSE	EC.135T2+	DSA	

Heli field:

OK-HCE	Bell 206B	Heli Czech
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Preserved:

3947	MiG-15	near tower
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Aeroclub hangar/platform:

G-MXVI	Spitfire LF.XVIe	as TE184/DU-N
D-EMAH	Orlican L-40	
D-ESOK	Mraz M-1D	
OK-BRO	SR.22T	
OK-RAL -02	Bleriot XI replica	
OK-PRA	SM92TE	

Plus many more small civil registered aircraft in DSA hangar 1 and 2, but these are outside the scope of Scramble thus not included.

Montgomery, AL (USA)

Red Tails over Montgomery Airshow 8 September 2018

Static:

80-188/FT	A-10C	74th FS	
88-4406	C-130H	908thAW AFRC	
60-0351	KC-135R	22nd ARW	
78-0498/JZ	F-15C	122th FS LA ANG	
87-0218/AL	F-16C	100th FS AL ANG	
08-0748/EG	F-35A	58th FS	'58FS'
02-3652/CB	T-6A	14FTW	
62-3706/TY	T-38A	325FW	
89-26172	UH-60A	1-131st VN AL ARNG	

Flightline:

05-4095/TY	F-22A	95th FS	'95FS'
05-4101/TY	F-22A	325thFW	

Other residents:

89-26142	UH-60A	1-131st VN AL ARNG
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F-16C/D* of 100th FS AL ANG, coded AL:

86-0326, 87-0219, 87-0220, 87-0271, 87-0283, 87-336, 87-0379*, 88-2151*

Stored between hangars:

N17SA +1	OH-58A	std
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Plus an orange fuselage with code 53 on it, could this be a TH-67? Can anyone help us out?

Kleine Brogel (Belgium)

Belgian Air force Days 8-9 September 2018

Static/Fightline:

3E-KA	SE3160	FR2/1St	
FA104	F-16AM	10w, 349sm badge	
FA116	F-16AM	31sq	\$
G11	MD902	Federale Politie	
M2	SA316B	40sq	
RS05	Sea King Mk48	40sq	\$
ET-199	F-16BM	Esk 730	
M-502	EH101 Mk512	Esk 722	
305/4-EC	Rafale B	EC01.004	
1335/EAV	NH90-TTH	1 RHC	
6013/BJM	Tigre HAD	1 RHC	
F-HBKT/T	EC120B	Helidax	
46+07	Tornado IDS(T)	TLG33	
57+05	Do228-212NG	MFG3	
MM7359/32-09	F-35A	13 ^o Gruppo	
LX-N90446	E-3A	NAEW&CF	
Q-24	AH-64D	301sq	
D-667	CH-47D	298sq	
6107	Mi-8MT	37.dlot	
19611	EH101 Mk516	Esq 751	
1303	MiG-29UBS	1 BL	\$
71 bl	Su-27UB	831BrTa	96310424043/
58 bl	Su-27P	831BrTa	63911035612/
ZK025/P, ZK027/R	Hawk T2	4FTS	
ZH851/84	Merlin HM2	824NAS	
ZK348/348	Typhoon FGR4	29OCUsq	
08-0050	CV-22B	7th SOS	
D-EBVV/58	SV-4B	ex V58	
EC-400	A400M	Airbus Military	\$
G-KAXF/N-294	Hunter F6A	DHHA, ex XF515	
G-ONAA/99+18	OV-10B	ex 99+18	
OO-LUK/V41	SV-4B	ex V41	



During the Radom 2018 airshow various Polish armed forces could be seen at the static display. Among the Navy participants was this M-28B Bryza 0810, showing its modified nose section after installation of a FLIR-dome. (Radom, 25 August 2018, Ian French)

Personal copy



Highlight of the Belgian Air Force days 2018 was the Ukrainian deployment of two Su-27s and one IL-76 as support. During the spotters day their arrival formation was organised, followed by the Sukhois landing at Kleine Brogel and the transporter landing at Melsbroek. (7 September 2018, Eric Vangeel)

OO-RYL/472922/L2-W	TF-51D	ex 44-72922	FA38	F-16A	pres. with tail of FA25
NX377WW/137777/KV-863	T-28B	ex 137777	FX02	F-104G	pres. grey Tiger c/s
<u>Static near maintenance hangar:</u>					
FA05	F-16A	travel exhibit	FX41	F-104G	pres. fuselage in parts
H16	A109BA	travel exhibit	FX61	F-104G	pres. tail of FX63?
ST43	SF260D	1w	MT14	CM170	preserved. display c/s
AT12	Alpha Jet 1B+	1w	<u>Near entrance:</u>		
FB24	F-16BM	10w/OCU	FA16	F-16A	preserved
PL30/OO-YDA	DG-300	Air Cadets	FS17/DMB	F-84E	preserved.
078/YE	EMB121AA	EAT00.319	FU66/RA-T	F-84F	preserved.
			FX86	F-104G	preserved.
<u>maintenance hangar:</u>					
FA107, FA131, FA136	F-16AM	10w	<u>London, Ontario (Canada)</u>		
FB15	F-16BM	10w	<u>International Airshow</u> 8-9 September		
<u>Flying / other side</u>					
CE03	ERJ145LR	21sq	<u>Static</u>	CF-188	425sq
FA70, FA103	F-16AM	10w	188787, 188748	CT-155	NFTC \$ dep 09
FA101	F-16AM	2w	155217/KB799 VR-W	CH-146	424sq
FA106, FA134	F-16AM	10w	146422/422	CH-146	nn dep 08
H21, H44, H45	A109BA	17sq/1w	146450/450	C-FMFZ/EQ-Z	Beech C90B
RN04	NH90-NFH	40sq	86-0025	C-5M	CATC
9234	JAS39C	211.tl	87-0119	KC-10A	436th AW
E-607	F-16AM	Esk 730	98-0054	C-17A	60th AMW
160/62-IS	CN235-200M	ET01.064	78-0684/DM	A-10C	437th AW
529	F-16C	343Mira	79-0202/DM "355OG"	A-10C	357th FS
ZK317/317	Typhoon FGR4	29OCUsq	86-0189/SJ, 89-0498/SJ	F-15E	355th FW "355 OG"
ZK318	Typhoon FGR4	29OCUsq	93-0536/SW	F-16CM	335th FS
1931	C-27J	1DopW	92-3925	F-16D	77th FS
C.15-39/15-26	EF-18M	Ala15	15-5135/LF, 15-5179/LF	F-16D	157th FS SC ANG
C.15-30/15-17	EF-18M	Ala15	62-3691/FF, 62-3722/FF	F-35A	63th FS
J-5003, J-5013	F/A-18C	FIS11	66-3402/WM	T-38A	71st FTS
C-FPSH	Do228-202	Summit Air/RAF Falcons	08-5683	T-38A	394th CTS
D-EXBE	EA330SC		01-1935/1935	C-130J-30	317th AG
G-CIBM/4, G-CJSM/2	RV-8	Team Raven	57-1436	EC-130J	193rd SOS PA ANG
G-EGRV/3, G-VFDS	RV-8	Team Raven	63-8015	KC-135R	134th ARW TN ANG
G-MAXV/1	RV-4	Team Raven	64-14831	KC-135R	168th ARW AK ANG
N216DM/MT-5	CM170	ex MT5,	62-4129/OF	KC-135R	161st ARW AZ ANG
OO-EBU/2, OO-VCU	PA-28-161	The Victors	169335/335	TC-135W	8th RS
OO-VMC/4, OO-VMX	PA-28-161	The Victors	168921/AG-101	P-8A	nmk
OO-SDJ	EA330		168922/AG-102	F/A-18E	VFA-143 dep 09
OO-XVI/SL721/AU-J	Spitfire F.XVIe	ex RCAF SL721	168923/AG-143	F/A-18E	VFA-143 dep 09
PH-KHV/G-29	Beech T-7	KLuHF, ex RCAF 2375	168847/NJ-111	F-35C	VFA-101 dep 09
PH-LSK/B-64	AT-16ND	KLuHF, ex B-64	<u>Flightlines / flying</u>		
PH-IIB/B-118	AT-16ND	KLuHF, ex B-118	130335/335	CC-130H	8 Wing
<u>SF260MD of 1w/Red Devils:</u>					
ST22, ST31, ST34, ST35			188769/769	CF-188	433sq £8-9
<u>T-17 of FLSK/Baby Blue team:</u>					
T-409, T-410, T-414, T-430, T-432			188776/776	CF-188	410sq \$
<u>Alpha Jet E of EAPP20.300/Patrouille de France:</u>					
E44/1/F-UHRE, E98/2/F-TEMF, E119/3/F-UGFE, E152/4//F-UHRT			188938/938	CF-188B	425sq £9
E146/5/F-UHRR, E139/6/F-UGFC, E113/7/F-TETD, E45/8/F-TETF			156116, 156125	CT-156	NFTC static 09
E68/9/F-TEMO, E127/0/F-UGFK			81-0975/MI, 78-0641/MI	A-10C	107th FS MI ANG
<u>Base museum:</u>					
			00-0221/SW	F-16CM	20th FW
			93-0540/SW	F-16CM	20th FW £
			02-0031/TY	F-22A	34th FS
			01-0023/TY	F-22A	34th FS £
			92-1451	C-130H	169th AS IL ANG

93-2041 C-130H 169th AS IL ANG 08
 C-FUPP/133573 CT-133

CT114 of 431sq/Snowbirds:
 114054/1, 114051/2, 114009/3, 114090/4, 114109/5, 114096/6
 114143/7, 114033/8, 114071/9, 114131/10, 114058/11

The 3x F/A-18E's and the CT-155 departed on Sunday morning and therefore also used the flightline. I had to leave around 14:00 hrs so more planes might have departed on the 9th. The 2x MI A-10C's flew a local mission in the morning on both Saturday and Sunday. The Peoria C-130H was supposed to drop the US SPECCOM parachute team but the Canadian and US parateam used two civil Skyvans. Both F-22A's were planned to fly but only one flew when I was present. Both Raptors taxied out on Sunday but did not take off while I was present (some issues needed to be fixed)

JASDF Misawa (Japan)

Air Show 9 September 2018

<u>Static:</u>			
34-3453, 34-3459	E-2C	601 Hikotai	
34-3460	E-2C	601 Hikotai	
22-8934	F-15J	201 Hikotai	
89-8709	F-35A	Rinji F-35A Hikotai	
86-5769	T-4	Rinji F-35A Hikotai	
39-3042	U-125	Hiko Tenkentai	
163556	UC-12F	NAF Misawa	
86-0083	C-12J	374thAW	
16-5834/YJ	C-130J-30	374thAW	
62-3498/ZZ	KC-135R	909th ARS	
90-0825/WW	F-16CM	14th FS	"14FS"
91-0357/WW	F-16CM	14th FS	"35FW"
94-0038/WW	F-16CM	13thFS	
69-6645	UH-1N	374thAW	
14-0075	CV-22B	nmks, 8th SOS?	
167016/TA-11	MH-60R	HSM-51	
169000	P-8A	nmks, VP-45?	

F-2A/B* of 3 Hikotai:
 03-8506, 43-8524, 63-8534, 63-8539, 03-8559
 23-8112*, 43-8125*, 83-8133*

<u>Hangar Display:</u>		
13-8517, 63-8537	F-2A	3 Hikotai
63-8538	F-2A	3 Hikotai
43-8128	F-2B	3 Hikotai

92-3887/WW F-16CM 13th FS
Flight Line:
 168435 P-8A nmks

Brasschaat (Belgium)

Flying Festival 15-16 September 2018

<u>Flightlines:</u>		
RN08	NH90-TTH	18sq/1w
ST06, ST22, ST31	SF260M+	CC Air/Red Devils
ST34, ST35	SF260M+	CC Air/Red Devils
D-EHCB	L-18C	ex Belgium OL-L45
D-EPCI	P3-05	ex Switzerland A-859
D-EPFU	L-18C	ex Belgium OL-L52
D-FENK	Yak-9UM	new built 03 wh
N4109C	AT-6G	ex South Africa 7727
N4756V	PT-13D	ex USAAF 42-16939
N728C	T-28C	ex USN 146261
OO-ATY	L-18C	ex Belgium OL-L47
OO-BYL	Tiger Moth	ex RAF W7952
OO-DBM	PT-17D	ex USAAF 42-17551
OO-EIR	SV-4B	ex Belgium V4
OO-GWD	SV-4B	ex Belgium V18
OO-HBQ	L-18C	ex Belgium OL-L56
OO-IAK	CJ5	ex China
OO-LGB	L-18C	ex Netherlands R-53
OO-LOT	L-18C	ex Belgium OL-L12
OO-OPS	PT-13D	ex USAAF 42-16930
OO-PAM	SV-4B	ex Belgium V48
OO-RYL	TF-51D	ex USAAF 44-72922
OO-SPG	L-18C	ex France 18-1650
OO-SVB	SV-4B	ex Belgium V43
OO-TIM	L-18C	ex Germany 96+06
OO-WIL	SV-4B	ex Belgium V42
OO-XVI	Spitfire LF16e	ex RAF SL721
OO-YOL	L4J	ex USAAF 44-80653
PH-VCY	L-21B	ex Netherlands R-111

Gunfire Museum:
 G95 SA318C preserved
 A15 Auster AOP6 preserved as A16
 Only (former) military aircraft have been noted for this report.

S=Special Colours £= Also flying

Credits: Masanori Ogawa, Carey Mavor, Twan van Domme-
 len, MAR, Scramble Messageboard



Rob van Disseldorp visited the Open House of the 187th Fighter Wing Alabama ANG at Dannelly Field ANGB Montgomery, Alabama on 8 September 2018. Among the displays was F-16C 87-0271, seen here at touch down.

Triptease



Baku Heydar Aliyev International Airport is one of the six international airports serving Azerbaijan. Andre Alders took this photo of the northern part of the Silkway Technics ramp when he departed on runway 17. (Baku, 17 April 2018, Andre Alders)

Civil Trips

Turkey, Azerbaijan and Russia April 2018

This trip started with a visit to Istanbul with my girlfriend and relatives and ended up with some interesting flights in Russia, organized by a group of Russian aviation enthusiasts including Yak-40, Yak-42, An-2, An-26 and Tu-134A-3.

Istanbul Atatürk Airport 14 April 2018
 5A-OND A319-111 Afriqiyah Airways
 TC-FLM A300B2K-3C Fly Air pres
 TC-JIT A330-223 Turkish Airlines

This Saturday we arrived late in the afternoon at Istanbul Atatürk Airport with Turkish Airlines A330 (TC-JIT). On the way to our hotel in Besiktas in the city centre our taxi drove along an A300 that was displayed on a parking lot. This supposed to be a former Fly Air Airbus.

17 April 2018

EW-252PA	B737-524	Belavia
HZ-AQ27	A330-343	Saudi Arabian Airlines
OD-MEB	A330-243	Middle East Airlines
P4-KBD	A320-232	Air Astana
N701CK	B747-4B5F	Kalitta Air
P4-TAJ	B737-93YER	Somon Air
TC-ETF	A321-231	AtlasGlobal
TC-ETN	A321-131	AtlasGlobal
TC-OBK	A321-231	Onur Air
TC-ODB	A320-232	Onur Air
TC-LER, TC-SGM	A310-308F	ULS Airlines Cargo
TC-MCG	A300-B4-622RF	MNG Airlines
TC-VEL	A310-308F	ULS Airlines Cargo
VP-BBR	B787-8	AZAL Azerbaijan Airlines
YI-ASS	B737-81Z	Iraqi Airways

Hub traffic

Turkish Airlines A319-100, A320-200, A321-200, A330-200/300, A340-300, B737-800/900, B777-300

Storage area

S5-ACD MD-82 Aurora Airlines

TC-KET	An-12B	CAT Cargo
TC-COA, TC-OIM	A300B4-120	Bosphorus Euro Airways
TC-OYC	A300B4-120	Fly Air
TC-TTA	MD-82	Tarhan Tower Airlines
TC-TTB	MD-82	Eram Airlines
1x	A300	a/w

Storage/maintenance area

A6-AAM	A318-112CJ	Dana Executive Jets
UR-GEB	B767-33AER	Ukraine International
UR-VVR	B737-3Q8	Turkish Technic training
VP-BYU	A330-223	Nordwind Airlines
YI-AQU	A321-231	Zagrosjet std
5N-BOV, 5N-BOW	B737-4U3	HAK Air std

Baku - Heydar Aliyev International

A6-FEN, A6-FEP	B737-8KN	Flydubai
A7-AHG	A320-232	Qatar Airways
EW-485TI	An-12BP	Ruby Star
I-SWIB	B747-4R7F	Silk Way Italia
VP-BBF	G650ER	Government of Azerbaijan
VP-BBR, VP-BBS	B787-8	AZAL Azerbaijan Airlines
VP-BHF	A319-113	S7 Airlines
VQ-BBH	B747-83QF	Silk Way West Airlines
4K-AI01	B767-32LER	AZAL Azerbaijan Airlines
4K-AI08	A340-642	AZAL Azerbaijan Airlines
4K-AI88	G650	SWBA (AZAL livery)
4K-AZ04	A319-111	AZAL Azerbaijan Airlines
4K-AZ40, 4K-AZ41	Il-76TD	Silk Way Airlines
4K-AZ60	Il-76TD	Silk Way Airlines
4K-AZ64	ERJ190AR	Buta Airways
4K-AZ81, 4K-AZ82	B767-32LER	AZAL Azerbaijan Airlines
4K-AZ86	A340-542	AZAL Azerbaijan Airlines
4K-AZ888	G450	SWBA (AZAL livery)
4K-JJ88	A319-115CJ	Silkway Business Aviation
4K-8888	A319-115CJ	Government of Azerbaijan
4L-GEL	B747-222BSF	Geo-Sky
4L-GEM	B747-251BSF	Geo-Sky
4K-65713	Tu-134B-3	Azerbaijan Airlines

Storage area

FHN-10201	Be-200	Azerbaijan FHN
4K-AZ03, 4K-AZ05	A319-111	AZAL Azerbaijan Airlines

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we had a small ramp tour, acces to another Yak-42 including visit to the flightdeck and lots of photography opportunities. The afternoon was spent in the city centre were we visited the Kalashnikov museum including a shooting session with the (in)famous AK-47. The return flight to Moscow was scheduled with a Saratov Airlines Yak-42 but was unfortunately cancelled due to problems with this company after the grounding of their An-148s after the crash earlier this year. Again we boarded RA-42455 but this time we were not allowed to take pictures anymore, apparently new employees just started working and knew nothing about the purpose of our visit. Back to reality or business as usual at Izhevsk airport.

Moscow–Vnukovo Airport 19 April 2018

A6-FEC	B737-8KN	Flydubai	
EI-GCU	A330-223	I-Fly	a/w
EI-XLD	B747-446	Rossiya	
EP-MNF	A310-304	Mahan Airlines	
ER-00002	A319-112	Fly One	
RA-42343	Yak-42D	Izhavia	
RA-76502	Il-76TD	Aviacon Zitotrans	
RA-88251	Yak-40K	Vologda Air	
RA-89075, RA-89076	RRJ-95LR	Iraero	
RA-89077	RRJ-95LR	Iraero	
TC-JNE	A330-203	Turkish Airlines	
VP-BCJ, VP-BCK	B737-46QSF	Atran	
VP-BNM	CRJ100ER	Rusline	
VP-BVD	CRJ100ER	Rusline	
VQ-BFA	CRJ200ER	Rusline	
VQ-BLE, VQ-BLG	ATR72-212A	UTair	
VQ-BLJ, VQ-BLK	ATR72-212A	UTair	
VQ-BOY	B737-85F	Yakutia Airlines	
4K-AZ04	A319-111	AZAL Azarbaijan Airlines	
4K-AZ66	ERJ190AR	Buta Airways	

Hub traffic

Pobeda	B737-800
Rossiya	A319-100, A320-200, B737-800, B747-400, B777-300
UTair:	B737-500/800, B767-200

Russia State Transport Company

RA-64057	Tu-204-300
RA-64505, RA-64506	Tu-214
RA-64508	Tu-204-300
RA-64520	Tu-214PU
RA-64521	Tu-214
RA-64522	Tu-214SUS
RA-64524	Tu-214SUS
RA-64525	Tu-214ON
RA-65905	Tu-134A-3
RA-73025	A319-115CJ
RA-85843	Tu-154M std
RA-86540	Il-62M
RA-96016, RA-96018	Il-96-300
RA-96020, RA-96022	Il-96-300
RA-96023	Il-96-300

Vnukovo-3/VARZ/Kosmos area

EI-CXZ	B767-216ER	Transaero Airlines	std
EI-GET	B777-31HER	Rossiya	std
EI-XLE	B747-446	Rossiya	std
EI-XLN	B747-412	Rossiya	
M-RBUS	A319-115CJ	Global Jet Luxembourg	
RA-42365	Yak-42D	Sirius Aero	
RA-42412	Yak-42D	Rusjet	
RA-64010	Tu-204-300A	Business Aero	
RA-65010	Tu-134A-3	Kosmos	std
RA-65576	Tu-134B-3	Kosmos	a/w
RA-65719	Tu-134A-3	Kosmos	std
RA-65727	Tu-134B-3	Centre-Yug	std
RA-65737	Tu-134B-3	Meridian Air	
RA-65747	Tu-134B-3	Centre-Yug	std
RA-65995	Tu-134A-3	Kosmos (FSB c/s)	
RA-85740	Tu-154M	Atlant-Soyuz	std
RA-85760	Tu-154M	Continent	std
RA-87227	Yak-40K	Barkol	

RA-89019, RA-89020	RRJ-95LR	Gazpromavia	
RA-89049, RA-89054	RRJ-95LR	Gazpromavia	
RA-89067	RRJ-95LR	MChS Rossii	
VP-BPA, VP-BPD	B737-525	Transaero Airlines	std
VQ-BFB	CRJ200ER	Rusline	
VQ-BNA	CRJ100ER	Rusline	

Stored elsewhere

EI-CXR	B737-329	Transaero Airlines	
RA-65919	Tu-134A-3	ex Kosmos (Yamal c/s)	
VP-BPA, VP-BPD	B737-525	Transaero Airlines	

Vologda Airport

CCCP-75518	Il-18V	Aeroflot	19 April 2018
RA-22989	Mi-8T	Vologodskoye AP	
RA-24162	Mi-8T		a/w
RA-24651	Mi-8T	Vologda Avn Ent.	
RA-40605	An-2R	Lukiaviatrans	
RA-87334	Yak-40D	Bylina	std
RA-87380	Yak-40	Jet Express	std
RA-87669	Yak-40	Vologda Air	std
RA-88231	Yak-40	Vologda Air	
RA-88251	Yak-40K	Vologda Air	
RA-88308	Yak-40	Bylina	a/w, std
RA-87400	Yak-40	Volga Dnepr c/s	
RA-87905	Yak-40K	Vologda Air ?	
1 x	Mi-2 ?		

Today I did some spotting/photography around Moscow-Vnukovo airport while most people of our group spent the day at the Monino museum. At the end of the afternoon we met each other again in the departure hall for the evening flight to Vologda with a Vologda Air Enterprise Yak-40 (RA-88251). At the time we disembarked our plane we started shooting at Vologda airport. This was unfortunately discontinued by an unprecedented stressed woman on duty. On previous trips, I encountered no problems because I do not have the idea they have something to hide here at this old-fashioned airfield.

Kostroma Airport

RA-07317	An-2P	Kostroma Avn Ent.	20 April 2018
RA-14354	Mi-2	pres, ex Kostroma AE	
RA-20008	Ansats-GMSU	Kostroma Air	
RA-20352	Mi-2	Kostroma Avn Ent.	
RA-26081	An-26B-100	Kostroma Airlines	
RA-26595	An-26B	Kostroma Airlines	
RA-26133	An-26B-100	Kostroma Airlines	
RA-27210	An-26-100	Kostroma Airlines	
1x	An-2	fuselage (CCCP-)	
1x	An-2	next to the terminal (RA-)	
1x	Mi-2	(no rotor)	

Yaroslav Airport

RA-07317	An-2P	Kostroma Avn. Ent.	20 April 2018
VQ-BYH	ERJ170SU	S7 Airlines	

Maintenance/storage area

12195	An-12BK	SibNIA	
EW-286TL	An-74-200	Grodno Aviakompania	
EZ-F424	Il-76TD	Turkmenistan Airlines	
EZ-F425	Il-76TD	Turkmenistan Airlines	std
RA-06123	Mi-8T	Barkol (no rotors)	
RA-07317	An-2P	Kostroma Avn Ent.	
RA-24708	Mi-8T	Turukhan	
RA-74016/UNO304P	An-74TK-100	United Nations	
RA-74048	An-74D	Uktus	
1x	An-72	Angola Air Force	std

EZ-F425 was seen with one engine missing and a grey An-72 of the Angolan Air Force, was seen on jacks without undercarriage and no visible registration.

St. Petersburg–Pulkovo 20 April 2018

A6-EGM	B777-31HER	Emirates	
A7-AHR	A320-232	Qatar Airways	
A7-CEI	BD700-1A11	Qatar Executive	
B-5960	A330-343	Sichuan Airlines	
B-6527	A330-343	Hainan Airlines	
CCCP-25865	Mi-8T	Aeroflot	std

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EW-276PJ	CRJ200ER	Belavia
OH-ATF	ATR72-212A	Nordic Regional Airlines
P4-KDC	A321-271N	Air Astana
RA-02811	BAe 125-700A	Weltall-Avia
RA-09001	Falcon 900	Gazpromavia
RA-09006	Falcon 900EX	Gazpromavia
RA-09600	Falcon 900LX	Gazpromavia
RA-22768	Mi-8AMT	
RA-22992	Mi-172	Vityaz-Aero
RA-24136	Mi-8T	KomiAviaTrans
RA-24181	Mi-8PS	Spark Avia
RA-24233	Mi-8T	Aerogeo
RA-24477	Mi-8T	Baltic Airlines
RA-26133	An-26B-100	Kostroma Airlines
RA-42343	Yak-42D	Izhavia
RA-42378	Yak-42D	Saratov Airlines
RA-47697	An-24RV	Pskovavia
RA-64059	Tu-204-300	RSTC
RA-67229, RA-67239	CRJ200LR	Severstal
RA-74015	An-74D	VSV
RA-85343	Tu-154B2	
RA-89036	RRJ-95LR	Azimuth
RA-89069	RRJ-95LR	Yamal Airlines
RF-01016, RF-01071	Mi-8MTV-1	Russian Customs
RF-28978	Mi-8T	Rostov Police
RF-32755, RF-32781	Mi-8MTV-1	MChS Rossii
RF-32800	Ka-32A11BC	MChS Rossii
SE-RES	B737-7BX	SAS
T7-GSA	B737-8JM	ACASS Canada
VP-BBH	A321-231	Ural Airlines
VP-BBN	A320-232	Yamal Airlines
VP-BFX	A321-211	Aeroflot
VP-BHL	A319-114	S7 Airlines
VP-BKU, VP-BKV	B737-505	Nordavia
VP-BME	A320-214	Aeroflot
VP-BNK	CRJ100ER	Rusline
VP-BRK, VP-BRN	B737-5Y0	Nordavia
VP-BTF	A319-112	Ural Airlines
VP-BTV	A319-114	S7 Airlines
VP-BWZ	A320-232	Red Wings
VP-BXU	B737-524	UTair
VP-BXW	B767-3Q8ER	Azur Air
VQ-BAS	A319-111	Rossiya
VQ-BHM	A321-211	Aeroflot
VQ-BJO	B737-524	UTair
VQ-BRD	A320-214	S7 Airlines
VQ-BRS	A321-231	Red Wings
VQ-BSJ	A320-214	Aeroflot
VQ-BWG	B737-8LJ	Pobeda
YL-BAQ	DHC-8-402Q	Air Baltic
YL-RAD	An-26B	RAF-Avia
4K-AZ67	ERJ190AR	Buta Airways

VQ-BAS is painted in the FC Zenit Sint Petersburg livery.

Hub traffic

Rossiya A319-100, A320-200, B737-800

The next day we were already getting up early for our three hour busride to the airport of Kostroma a nearby city. You can compare it with the airport of Vologda but here the reception was much more friendly. Our visit here was two-fold, first we had a return ticket to Yaroslav airport in a beautiful chartered Kostroma Avn. Enterprise An-2 (RA-07317) and second a one way flight in a An-26 (RA-26133) to Pulkovo airport. To our surprise, the small airport of Yaroslav contained a number of interesting aircraft in maintenance or stored.

Just for our departure back to Kostroma we had to wait for some time inside the An-2, the only scheduled service to Yaroslav today (S7 Airlines) was already descending for landing, probably a lot of stress in the control tower! At Pulkovo where it is much busier with airplanes we did some spotting/photography outside the terminal. Eventually we flew back to Vnukovo with UTair B737 (VP-BXU) because the next day the main reason of our trip was on the program.

Moscow-Vnukovo		21 April 2018
RA-73000	B737-76N	Gazpromavia
RA-89018	RRJ-95LR	Gazpromavia
VQ-BIZ	B737-86N	Yakutia Airlines

FSB-area

RA-61707, RA-61719	An-148-100
RA-61720	An-148-100
RA-64523	Tu-214VPU
RA-85084	Tu-154M

Government/VIP terminal

RA-96019	Il-96-300	RSTC
1x	Tu-214 ?	

Ulyanovsk-Vostochny

RA-26088	An-26	Lyotnyye proverki
RA-64038	Tu-204-300	Vladivostok Avia
RA-64045	Tu-204-300	Roskosmos
RA-64150	Tu-204SM	OAK
RA-65995	Tu-134A-3	Kosmos
RA-76511	Il-76TD-90	Volga-Dnepr
RA-78762	Il-76MD	Russian Air Force
RA-82033	An-124-100	Russian Air Force
RA-82043	An-124-100	Volga-Dnepr
RA-82046	An-124-100	Volga-Dnepr
RA-89112	RRJ-95B	in primer
RF-00125, RF-00126	L-29	
RF-00130	L-29	
RF-76773, RF-78766	Il-76MD	Russian Air Force



Still in basic old Aeroflot colours this Tupolev is most probably being operated by Kosmos. RA-65995 was previously being operated by the FSB for the Border Guards. (Vnukovo, 21 April 2018, Andre Alders)

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RF-78791, RF-78809
 RF-86901
 VQ-BFA
 VQ-BLJ
 1x
 02 ye, 07 ye, 14 ye, 15 ye
 17 ye

Runway storage area

RA-64019 Tu-204-100 Red Wings
 RA-64020 Tu-204-100 Red Wings
 RA-64040 Tu-204-300 Vladivostok Avia
 RA-82024 An-124 ex Russian AF no engines
 RA-82075 , RA-82080 An-124-100 Polet no engines
 10 bk (RA-82026) An-124-100 Polet, ex Russian AF

Ulyanovsk–Museum of Civil Aviation 21 April 2018
 no code Il-28 ex Soviet Air Force
 04 Blue MiG-25P ex Soviet Air Force
 125 RED L-29 Rost/DOSAAF
 CCCP-06132 Il-14P MRP Gorki NII (Aeroflot)
 CCCP-15154 M-15-01 Aeroflot/N.Kavkaz-Mai
 CCCP-17411 Mi-1M Aeroflot
 CCCP-21866 Mi-6 Aeroflot/Krasnoyarsk
 CCCP-23855 Mi-2 Kremenchug Fl.Sch.
 CCCP-25564 Mi-8T Aeroflot/Tyumen
 CCCP-35227 Mi-4A Aeroflot/Uzbekistan
 CCCP-42322 Tu-104 Aeroflot
 CCCP-46761 An-24 Aeroflot/Moscow SPiMVL
 CCCP-45017 Tu-124Sh TVVAU (Aeroflot c/s)
 CCCP-48104 An-32A Yeniseiski Merid.
 CCCP-65748 Tu-134AK Aeroflot/UShVLP
 CCCP-67252 L410A Aweoflot/Yakutiya-Magan
 CCCP-74250 Il-18D Aeroflot/Domodedovo
 CCCP-76462 Tu-116 ex Soviet AF (Aeroflot c/s)
 CCCP-76490 Tu-114 ex Soviet AF (Aeroflot c/s)
 CCCP-77110 Tu-144S MAP LII Zhukovski
 CCCP-86650 Il-62 Aeroflot
 CCCP-91588 Il-14M Aeroflot/Kazakhstan
 CCCP H-317 Ant-4 Aviaarktika
 RA-15122 M-101T UVAU GA
 RA-26503 An-26 UVAU GA
 RA-40561 An-2TP Aeroflot
 RA-42539 Yak-42 Karat
 RA-44251, RA-44292 Yak-18T UVAU GA
 RA-85061 Tu-154B Ulyanovsk HFS
 RA-85470 Tu-154B-2 UVAU GA
 RA-86062 Il-86 Atlant-Soyuz
 RA-86507 Il-62M Magadan Airlines
 RA-87229 Yak-40 Aeroflot
 RA-87357 Yak-40 Volga-Dnepr
 RA-87653 Yak-40 UVAU GA
 1x Yak-18T ?

Hangar

CCCP-1988 Po-2/Y-2 Russian Air Force
 CCCP-56360 Yak-12M Aeroflot
 R-RDAX AK-1 Dobrolet
 Ulyanovsk-Baratayevka 21 April 2018
 CCCP-65078 Tu-134A Aeroflot/Ulyanovsk HFS
 CCCP-76503 Il-76 Aeroflot/Ulyanovsk HFS
 CCCP-85617 Tu-154M Aeroflot/Vnukovo
 RA-26025 An26B Ulyanovsk HFS
 RA-26513 An-26 TyumenAviaTrans
 RA-26544 An-26 Ulyanovsk HFS
 RA-85315 Tu-154B2 Ulyanovsk HFS no engines
 RA-85609 Tu-154M UVAU GA
 RA-85765 Tu-154M UVAU GA
 RA-85774 Tu-154M Gazpromavia
 RA-87315 Yak-40 Ulyanovsk HAS GA

Nowadays Alrosa is the last airline within Russia flying a sole Tu-134 and two Tu-154s on scheduled services with the result that more initiatives are being taken within this country to fly one of these classics one more time. Although there are still enough Tu-134s flying in military service, there are only a handful of Tu-134s in service with charter companies as business jets. This Saturday we boarded a chartered Kosmos

Tu-134A3 (RA-65995) which was built in 1984 and a former former KGB-, FSB/Boarder Guards Tupolev on our way to Ulyanovsk-Vostochny. We visited the Museum of Civil Aviation at Baratayevka airport and flew back to Vnukovo at the end of the afternoon. I already visited the museum last year so I had much time left to see what airplanes were stored at Baratayevka. With the help of some other spotters we read/identified eleven Russian airplanes at this closed airport. We also managed to read more airplanes at Vostochny but taking pictures was again strictly forbidden.

Moscow–Vnukovo 22 April 2018
 EI-FSE A330-243 I-Fly
 EI-GCZ A330-223 I-Fly
 HA-LYT A320-232 Wlzz air
 M-YBBJ B737-7HE (BBJ) Global Jet Austria
 P4-MES B767-34AER Global Jet Luxembourg
 RA-64032 Tu-204-100C AviaStar-TU
 VP-BAL B767-224ER UTair
 VP-BEP B737-8Q8 Yakutia Airlines
 VQ-BNB, VQ-BND CRJ100ER Rusline
 VQ-BPY B757-236PCF Yakutia Cargo
 4K-AZ81 B767-32LER AZAL Azarbaijan Airlines
 4L-TGO B737-737-7CT Georgian Airways a/w

Russia State Transport Company

RA-09090 Falcon 7X
 RA-22305, RA-22323 Mi-8MTV-1
 RA-22325 Mi-8MTV-1
 RA-25538 Mi-8MTV-1S
 RA-25540, RA-25635 Mi-8MTV-1
 RA-27015, RA-27016 Mi-8MTV-1
 RA-61720 An-148-100
 RA-64515, RA-64526 Tu-214SR
 RA-64527, RA-64528 Tu-214SR
 RA-65905 Tu-134A-3
 RA-73026 A319-115CJ
 RA-85979 Tu-134A-3 FSB no engines
 RA-87968, RA-87972 Yak-40
 RA-89039 RRJ-95B

Riga International Airport 22 April 2018
 D-AIPZ A320-211 Lufthansa
 EI-DHB, EI-FZE, EI-FZR B737-8AS Ryanair
 HA-LWP, HA-LYJ A320-232 Wlzz Air
 LN-DYT B737-8JP Norwegian
 OH-ATF ATR72-212A Nordic Regional Airlines
 RA-89102 RRJ-95B Aeroflot
 SP-LDE ERJ170LR LOT Polish Airlines
 VQ-BPR B737-524 UTair
 YL-RAB An-26B RAF-Avia
 YL-RAE Saab 340B RAF-Avia

Hub traffic

Air Baltic B737, CS300, DHC-8

Storage area

F-GRJQ CRJ100ER Brit Air no engines
 VP-BAO CRJ100ER Iraero no engines
 VP-BVK CRJ100ER Rusline no engines
 VP-BVS B737-524 VIM Airlines no engines
 VQ-BCB EMB120 Rusline
 VQ-BNL CRJ100ER Rusline no engines

Riga Air Museum

CCCP-24057 Ka-26 Aeroflot/GosNII GA
 CCCP-31449 Mi-4A Aeroflot/Rizhski II GVF
 CCCP-32418 An-2 Aeroflot/Latvia fus. only
 CCCP-38342 Yak-18T Aeroflot/RKIIIGA
 CCCP-42328 Tu-104A Aeroflot/RKIIIGA cockpit
 CCCP-45052 Tu-124B Aeroflot cockpit only
 CCCP-46346 An-24B Aeroflot KShVLP cockpit
 CCCP-46400 An-24B Aeroflot/Latvia-RIX
 CCCP-65698 Tu-134B Aeroflot/Latvia-RIX cockpit
 D-EMEH Ce150A
 ES-1022 Let L-13
 OK-ZKC Let Z-37 Air Special
 RA-65717 Tu-134A-3 Aeroflot
 01 An-14 ex Soviet Air Force

06 rd	MiG-21UM	ex Soviet Air Force
09 rd	Mi-6	ex Soviet Air Force
10 ye	MiG-21SMT	ex Soviet Air Force
16 rd	MiG-23MF	ex Soviet Air Force
14 rd	MiG-15	ex Soviet Air Force
17 rd	Mi-17	ex Soviet Air Force
17 ye	Mi-1M	ex Soviet Air Force
20 rd	Mi-24A	ex Soviet Air Force
21 rd, 22 rd	PZL Mi-2	ex Soviet Air Force
22 rd	Yak-28R	ex Soviet Air Force
22 ye	An-2	ex Soviet Air Force
22 bl, 26 rd	L-29	ex Soviet Air Force
27	Su-7BKL	ex Soviet Air Force
34 rd	MiG-25	ex Soviet Air Force
38 bl	L-29	ex Soviet Air Force
40 ye	MiG-21SMT	ex Soviet Air Force
43 rd	Su-7U	ex Soviet Air Force
52 bl	MiG-29UB	ex Soviet Air Force
53 rd	Tu-22M	ex Soviet Air Force
58 ye	MiG-15UTI	ex Soviet Air Force
60	MiG-27	ex Soviet Air Force
72	L-13	DOSA AF
74 rd	MiG-23ML	ex Soviet Air Force
76 ye	MiG-21	ex Soviet Air Force
92 rd	L-29	ex Soviet Air Force
94 ye	MiG-21UM	ex Soviet Air Force
1x	Mi-8	cockpit only

Sunday morning I flew back to Amsterdam with UTair B737 (VQ-BPR) with a stopover at Riga Airport to visit the museum. This small but interesting museum is located near the control tower. It is easy to get access but I had to ring at the closed gate. The Aeroflot Tu-134 is part of the museum but is unfortunately not exhibited within the museum's fence. Finally the Air Baltic CS300 (YL-CSG) to Amsterdam was the very first time I flew this type of aircraft.

Credit: Andre Alders.

Military trips

Poland

I took the opportunity to combine the Tiger Meet at Poznan with a two weeks trip through Poland. I went with my family and we travelled in our Viano camping car. We started on a Friday afternoon after work and with modest traffic arrived without delay at our first destination (a lake nearby Jelenia Gora). Of course I paid a night visit to the preserved MiG-23 short after the Polish-German border:

Pokrzywnik 18 May 2018
461 MiG-23MF Polish AF preserved

The next morning after breakfast I visited the airfield of

Jelenia Gora. No problem to look into the hangars after a polite request to do so.

Jelenia Góra 19 May 2018

Interesting aircraft in hangar 1 comprised:

SP-AAM Yak-12M ex Polish AF 774

In Hangar 2 were seen:

SP-MIX PC-12/47E AMJ SP u
D-FOOO TBM-700A Buchhole

Lomnica 19 May 2018

The radar collection here is gone as well as Mi-2 4518 which used to be here. (Should have moved to a new location in Jelenia Gora). The rest of the day we spent hiking and sightseeing in the southwest of Poland. In the evening we continued to Poznan, passing the w&r location at Zerniki en route:

Wroclaw-Zerniki 19 May 2018

7101 MiG-21PFM pres, ex Polish AF
306 TS-11 pres, ex Polish AF

We arrived at Poznan at 9PM and to our great surprise the museum was open for some reason and a lot of people were visiting on that warm evening. Many of the aircraft were open for closer inspection much to the pleasure of my little son!

Poznan-Muzeum Wyzwolenia Miasta 19 May 2018

Preserved

1419	Lim-5	Polish AF
4245	Su-20	Polish AF
(9863)	An-2T	Polish AF
4	Il-28R	Polish AF
3649	Mi-2R	Polish AF
01	MiG-15	Polish AF
4106	MiG-21PFM	Polish AF
2018	SM-1WSz	Polish AF
710	TS-11	Polish AF
998	Yak-12M	Polish AF

We did a sightseeing tour in the city of Poznan after visiting Kobylnica airfield and some W&R locations in Poznan. In the evening at about 5PM I went to Lawica airport as many attending aircraft of the airshow were scheduled to leave in the evening. As I am not that keen in walking with hundreds of thousands of people I went to the small spotting mound in the south side near the civil terminal.

Poznan-Kobylnica 20 May 2018

0856	An-2T	Polish AF	std
6814	MiG-21MF	pres, ex Polish AF	
SP-NEH	An-2T		
SP-RWE	An-2TPS		
SP-ULC	Tecnam P2006	Smart Aviation	



JSC Izhevsk is the national airline of the Udmurt Republic of Russia. The airline was formed in 1992 from the Aeroflot Izhevsk Division and was originally known as Izhevsk Air Enterprise. Yak-42D RA-42343 is active for the airline since May 2012. (Izhevsk, 18 april 2018, Andre Alders)

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This An-2P was first noted at Kostroma on 27 May 2007 repainted in blue/white colours with red trim and 'Kostromskoye aviapredpriyatiye' titles. RA-07317 is operated by Kostroma Air Enterprise. (Kostroma, 20 April 2018, Andre Alders)

SP-WKA	An-2T	ex Polish AF 0862	std
SP-FIX	An-2T		std

Hangar near An-2s

SP-ABE	Yak-12M	ex Polish AF 971	std
SP-AWL	Yak-12M	ex Polish AF 729	
Poznan town (Gimnazjum 50)		20 May 2018	
0626	TS-8	pres, ex Polish AF	
Poznan-Politechnika		20 May 2018	
4604	Su-22M-4	presd, ex Polish AF	
Poznankiew Centrum Edkacji Ustawicznej i Praktycznej		20 May 2018	
3509	Su-22M-4	Polish AF	GIA
SP-ASE	Z142		GIA
SP-KCM	Ce152		GIA

Poznan-Lawica 20 May 2018
See Showreports.

The next day of course it was time to go to the airbase. It was a real success for me, nearly all of the Tiger Meet participants flew and returned until noon.

Poznan- Krzeziny 21 May 2018
See Showreports.

Zerniki-Gadki		21 May 2018	
SP-KUB	L-4H	ex USAAF 43-30004	
(CA+015)	C-47D	ex Luftwaffe	

The rest of the day was time for the family - we visited Biskupan ancient village and continued towards Swidwin in the evening. Short stop at Nadarzyce. The Luftwaffe C-47D is preserved unmarked.

Nadarzyce		21 May 2018	
1242	Mi-2	ex Polish AF	

Stored in compound near gate. This one was reported as being preserved at Bydgosz as "2842" but this can not be correct. I have photoproof with the serial on the boom.

3729	Mi-2D	ex Polish AF	std
4717	Mi-2RL	ex Polish AF	std

Czaplinek		21 May 2018	
102	Lim-6M	pres, ex Polish AF	

No luck at Swidwin. The Su-22 were scheduled for nightflying, so no flying activity at the base apart from two unidentified W-3s which were doing hover exercises inside the base.

Swidwin		22 May 2018	
1613	TS-11	pres, ex Polish AF	
	Lim-5P	pres, as "1976"	

2x.	W-3A	Polish AF	
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The journey continued northbound towards the sea.
Kolobrzeg 22 May 2018

7308	Su-22M-4	pres, ex Polish AF
1807	TS-11	pres, ex Polish AF
64	Il-28	pres, as "52"
3010	SM-2	pres, ex Polish AF
(SP-BFA)	CSS-13	preserved

The CSS-13 is inside, but visible through windows.

While mum and kid enjoyed the sun at the beach I travelled to nearby Rogowo:

Rogowo Museum 22 May 2018

Preserved

103	I.22	ex Polish AF
1705	Lim-2	ex Polish AF
706	Su-22UM-3K	ex Polish AF
0710	TS-8	ex Polish AF
1411	TS-11	ex Polish AF
1806	TS-11	ex Polish AF
D-9253	SZD-32A	

Koszalin		22 May 2018
1222	TS-11	ex Polish AF

Iskra 1222 is preserved unmarked along route 6 near Koszalin.

9306	Su-22M-4	ex Polish AF
1226	TS-11	ex Polish AF
047	Yak-40	ex Polish AF

The above three are all preserved in a Koszalin museum.

5247	Mi-2D	ex Polish AF
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The Hoplite is preserved at the local barracks.

Darlowo		22 May 2018
5828	Mi-2D	Pol. Navy/44BLOT
0619	W-3WA	Polish AF/1 BLTr
08..	W-3	Polish AF/... olive overall

I found a place near Darlowo to stay overnight. While we were having a nice barbecue and enjoying a good beer three helicopters were doing curcuits from the base.

Garczegorze		23 May 2018
1316	An-2T	preserved, ex Polish AF
001	MiG-23MF	preserved, ex Polish AF

Chlapowo		23 May 2018
(102)	Tu-134A	preserved, ex Polish AF

Gniezdzewo		23 May 2018
(8553)	An-2T	preserved, ex Polish AF
	Mi-2	preserved, ex Polish AF

The An-2 at the "Labirynt w polu kukurydzy" has been joined by an unmarked and unidentified Mi-2. At the time of my visit somebody was repainting the former olive aircraft in yellow and red colours, preventing me from closer inspection. All windows were taped over during the paint job so no chance to check the identity then! Something to do for the next visitor here!

The Antonov also has been resprayed in overall red colours and placed on top of a small hill.

Gdynia			24 May 2018
"001"	TS-8	ex Polish AF	pres
2	Yak-9P	ex Navy	pres. Museum
(4017)	SM-1Wb	ex Navy	pres. Museum
414	TS-11	ex Polish AF	pres. Mus.

Gdansk			24 May 2018
9H-AUL	B737-375SF	Maleth Aero	
F-HJPH	Ce510	Gie Mustang	
M-KBSD	Global 5000	Avcon Jet	
M-KGTS	EMB505	VTS	
SN-50XP	PZL M-20	Polish Border Guards	
SP-KDW	Ce525	Sat Film	
SP-KWF	BAe3201	Jet Air	wfu

Now it was time to visit the city of Gdansk. Before I went to the airport. Luckily the Border guard M-20 arrived, but I almost missed it!

Lapino Kartuskie			24 May 2018
7507	MiG-21UM	ex Polish AF	pres
005	MiG-23MF	ex Polish AF	pres
7206	Su-22M-4	ex Polish AF	pres
W1764	TS-11	ex India AF	pres

Unfortunately, I had no chance to check the stored aircraft as the gates were already closed. Update from this location is that Mi-2 2948 is gone.

Prusz-Gdanski			24 May 2018
4543	Mi-2Tsz	49.BLot	
6003, 6004, 6005	Mi-2Ch	49.BLot	
169, 175, 209,	Mi-24D	49.BLot	
271, 272	Mi-24D	49.BLot	std
2x	Mi-24D	Polish Army	

Prusz is good for a visit at any time. The base is quite open and the helicopters are parked quite near to the fence. A perfect photo of several Mi-24 parked directly along the fence could be possible but I did not dare to do so as you are in the view of the guards at the main gate.

Anyway I do not know if they care about it. A housing area is here as well and many people were around...

I saw Hinds 271, 272 and two others stored (rotors missing).

Malbork			25 May 2018
(1909)	MiG-21M	at gate as "2001"	
(510)/8	TS-11	ex Polish AF	pres. town

After remaining overnight near the Russian border, we went the following day to Malbork. The airbase did not show any flying activities, but at least the big castle in town could be visited.

While driving through the beautiful Masurian landscape, on the road to Wolfsschanze (Wolfs Lair), I passed some wrecks and relics en route:

Orneta			25 May 2018
8704	MiG-21M	ex Polish AF	pres
Ketrzyn			25 May 2018
2213	Mi-2Ch	ex Polish AF	pres
0845	MiG-21bis	ex Pol. Navy	pres

The gates of the airfield were locked, but there is a small road leading to the opposite side, from where the two aircraft can be easily seen.

Mragowo			25 May 2018
8745	MiG-21bis	ex Polish AF	pres
9345	MiG-21bis	ex Polish AF	pres
Grajewo			25 May 2018
3303	MiG-15UTI	ex Polish AF	pres
Monki			25 May 2018
1405	TS-11-bis DF	ex Polish AF	pres

The next two days were reserved for the National Parks near the Belarus border.

Bialystok			26 May 2018
SN-44YG, SN-45YG	PZL-104MF	Pol. Border Guards	
SP-ZUS	PZL M-18B		

A small wooden shed held, among some other small civil stuff two Border Guard Wilgas. They can be fairly easily seen through some very small windows in the door, even when the hangar itself is closed. The airport itself is undergoing some construction work. A new ramp is presently built, the old big main hangar was not in use.

Bialystok town			26 May 2018
I searched for the second hand car garage with the preserved MiG-21. In fact this aircraft is gone, as well as the garage itself. After that we travelled westbound again in the direction of Warsaw.			

Minsk Mazowiecki			28 May 2018
105, 108	MiG-29A	Polish AF	
3x	MiG-29A	Polish AF	

Three MiGs departed just as I arrived. We placed ourselves in the 27 approach area and another two MiGs departed. To my great disappointment none of them did return...

Warsaw-Muzeum Wojska Polskiego			28 May 2018
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Preserved

1602	An-26	Polish AF
011	Avia B33	Polish AF
21	Il-2M3	Polish AF
204	M-93K	Polish AF
013	Mi-24D	Polish AF
1449	Mi-2P	Polish AF
614	Mi-8P	Polish AF
0615	MiG-21PF	Polish AF
4111	MiG-29G	Polish AF
18	PZL-130	Polish AF
8512	Su-22M-4	Polish AF
(409)	TS-8	Polish AF
101	TS-11-bis A	Polish AF
8	Tu-2S	Polish AF
23	Yak-9P	Polish AF
044	Yak-40	Polish AF
	Pe-2FT	Soviet AF

Stored

	Mi-2	forward fuselage
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Exactly as per EMOOS, with the addition the Mi-2 front section.

Warsaw-Bemowo			28 May 2018
Parked outside in front of the Wojskowa Akademia Techniczna were:			

6820	MiG-21MF	GIA, ex Polish AF
8817	Su-22M-4	GIA, ex Polish AF
1620	TS-11-bis DF	GIA, ex Polish AF
042	Yak-40	GIA, ex Polish AF

Bigger aircraft on the airport itself included:

SP-MPP	EC120
SP-INW	R44
SP-NST	Pa-34-220T
SP-ZZB	PZL M-18B

Warsaw town			28 May 2018
7810	MiG-21MF	ex Polish AF	pres

Warsaw-Muzeum Katynski			29 May 2018
Still the same as published in EMOOS, with exception of the			

two stored aircraft (Su-20 6252 and Su-22 4606) which were not seen.

Warsaw-Frederic Chopin			29 May 2018
0110	B737-86X	1.BLTr	
0915	W-3A	1.BLTr	
HA-LPO	A320-232	Wizzair	
HA-LXM	A321-231	Wizzair	
LX-MMB	Ce560XLS	Global Jet Luxemburg	
M-OLEG	Legacy 600	Hermitage Air	
OM-GTE	B737-8AS	Air Explore	all white c/s
SP-ARK	Falcon 2000S	M.P.S.	
SP-RSA	B737-8AS	Ryanair Sun	
SX-DNC	A320-232	Aegean	
UR-DNW	EMB145LR	Dnipro Avia	std

Spotting at Warsaw International is relaxed and easy. I opted for the spotting hill next to the dumped IL-14. Besides EMB145 UR-DNW there is another Embraer 145 stored.

Kleszewo			29 May 2018
1226	Lim-5	ex Polish AF	pres
Legionowo			29 May 2018
0627	Mi-2	ex Polish AF as "Desch"	pres

it is not any longer in the blue/white colour scheme, as written in EMOOS, but overall olive drab.

Lipsko			29 May 2018
1411	Lim-5	ex Polish AF	pres
Skarzysko Kamienna			29 May 2018
1526	Lim-2	ex Polish AF	pres
635	Lim-6MR	ex Polish AF	pres
1001	MiG-17PF	ex Polish AF	pres
2401	MiG-21PF	ex Polish AF	pres
809	Su-7BKL	ex Polish AF	pres
0207	TS-8	ex Polish AF as "0401"	pres
3054	VEB-14P	ex Polish AF	pres
(21)	Yak-23	ex Polish AF	pres
Broniszew			29 May 2018
6256	Su-20R	ex Polish AF	pres
(312)	TS-11-bis A	ex Polish AF	pres

Next destination was Deblin.

Deblin			30 May 2018
7701, 7703, 7704, 7705	M346	41.BLSz	
5748	Mi-2	41.BLSz	
6619, 6620	SW-4	41.BLSz	

Deblin-Muzeum Sil Powietrznych 30 May 2018
The situation of the Deblin museum is still as described in EMOOS, with following additions:

- * TS-8 0910 was under rework in the restoration hangar;
- * MiG-23MF 140 is marked 140 again;

* Mi-4ME is now marked as "042". It is also ex serial 1717, which is visible under the paint.

Deblin town			30 May 2018
803	TS-11-bis B	ex Polish AF as "1975"	pres
The Iskra is preserved near the Muzeum Sil Powietrznych at a local school.			
Kielce (EPKA)			30 May 2018
SP-HXH	EC135P2+		
SP-ZWE	PZL M-18		
SP-AOW	An-2TPS		
SP-WEC	PZL-104		

Next city to visit was Krakow.

Krakow Bielany			30 May 2018
...	Yak-23	ex Polish AF as "1616"	pres
Krakow			30 May 2018
1008	TS-11-bis B	ex Polish AF	pres

After Krakow City sightseeing we went southbound to only Polish mountain region of Tatra. Again, time for some hiking. The two preserved aircraft can be easily seen inside the barrcks.

Zakopane			31 May 2018
606	TS-11-bis B	ex Polish AF as "1991"	pres
16	Yak-23	ex Polish AF as "1957"	pres

Krakow-Muzeum Lotnictwa 1 June 2018
The museum exhibits the same aircraft as published in EMOOS 2018, with following additions:

- * Lim-6M 606 obviously received a new paintjob and also reverted to the old serial
- * Albtros H1 10114 completed the restauration and is on display in the hangar again

Opole			2 June 2018
SP-ZUG	PZL M-18		
In hangar			
SP-AGI	PZL-104		
SP-CGK	Yak-12		
SP-MON	An-2		

Preserved		
926	Su-7BKL	ex Polish AF

Our last stop in Poland was the dinosaur park in Opole. After the visit I did my last spotting stop for that trip in the airfield of Opole. Again, no problem to visit the hangar.

After that I went on the motorway and home to Bavaria. It was a great trip - wonderful weather for two weeks many new regs and serials for me. So everybody was happy!

Credit: Alexander Lutz.



Delivered to LTU in 2006 as D-ALPH this Airbus A330 was transferred to Air Berlin and withdrawn from use in October 2017. Russian airline I-fly has added the aircraft to its fleet in April 2018 as EI-GCZ. (Vnukovo, 21 April 2018, Andre Alders)

Farnborough 2018



EA-8B VA.1B-37/01-925 taking off for the display on Friday. (Farnborough, 20 July 2018, Martin Bach)

Every two years, the Farnborough International Air Show attracts a great amount of visitors and delegations from all over the globe. It is a trade show with both civil and military aircraft in attendance, although the main focus is on the civil side. This year, \$192 billion dollars in sales were announced, of which \$154 billion was for commercial aircraft spread over more than 1,400 aircraft.

For spotters the most interesting days to attend are the trade days. Most manufacturers' aircraft will be present from Monday until Thursday, with several of them flying. Several other aircraft from manufacturers can usually be seen during one of the trade days, such as ATR72 F-WWEN on the 18th. This year saw new flying displays by the LM-100J, Mitsubishi MRJ, Airbus A330neo and Embraer KC-390, among others. 109 aircraft attended the trade show, of which 84 were on static display. During the show, many helicopters can be seen ferrying passengers from and to the airport. Because Farnborough is a trade show, there are still a lot of bizjet movements before and after the flying display.

Below is a list of aircraft that could be seen at Farnborough during the show, sorted by civil prefix. The list and dates are by no means complete and is compiled from photos and logs received. A '*' in the remarks column depicts flying display data.

Static display

Reg	Type	Operator	Remarks
CSX2280/41-02	P-72A	Leonardo	
MT55229	M-346FA	Leonardo	
16703	C295M	Esq502	
16-010	Anka	Turkish Air Force	
WK035	Watchkeeper	British Army	
WK040	Watchkeeper	British Army	
XV666	Sea King HU5	HeliOperations	
ZA597	Tornado GR4	31sq	
ZH965	Super Lynx 21A	Leonardo	Marinha c/s
ZK337	Typhoon FGR4	1(F)sq	
ZZ105	AW101-612	Leonardo	RNoAF c/s
ZZ394	Wildcat AH1	Leonardo	
07-8609	C-130J-30	37th AS	
92-1535	C-130H-3	187th AS	Wyoming ANG
96-0205	F-15E	492nd FS	arr 13
08-05550	AH-64D	1-3rd AVN	dep 24
13-08436	CH-47F	1-214th AVN	dep 24
168433	P-8A	VP-10	

9H-MIP	A380-841	Hi Fly	arr 19
A7-ANB	A350-1041	Qatar Airways	
A7-BEV	B777-300ER	Qatar Airways	
A7-BGB	B747-8F	Qatar Cargo	
C-FFDO	A220-300	Airbus Industrie	*17
C-GIAU	CRJ900	Bombardier	Delta Connection c/s
D-CSNC	Do328-110	328 Support Services	a13/d24
D-ETPQ	G120TP	Grob Aircraft	
EC-400	A400M	Airbus Industrie	*17&18
EI-GGK	B737-8	Air Italy	arr 13
ET-AVR	DHC-8-402	Ethiopian Airlines	a14/d19
F-GCDP	Falcon 8X	Dassault Aviation	
F-HDOR	Falcon 900LX	Dassault Aviation	arr 13
F-WWKM	A330-941N	Airbus Industrie	TAP c/s
F-WWLC	ATR42-500	ATR	Silver Air N405SV, arr 14
G-BCIR	PA-28-151	Aerobility	
G-BCUO	Bulldog 122	Cranfield University	
G-BEZL	PA-31	2 Excel Aviation	
G-CLAB	B747-8F	CargoLogicAir	
G-DONE	Bell 505	Simpson Heli Charters	
G-ETPG	H125	ETPS	
G-MCGH	S-92A	HM Coastguard	chalets
G-NSYS	EC135T1	Nova Aerospace	
G-OSRA	B727	2 Excel Aviation	*16&17, *20&21
G-PICU	AW169	Specialist Aviation Services	
G-UKCS	PA-31	Oil Spill Response	
G-UZMA	A321-251NX	easyJet	arr 18
HB-FXN	PC-12/47E	Pilatus Flugzeugwerke	
HB-HZC	PC-21	Pilatus Flugzeugwerke	
I-AWCU	AW189	Leonardo	
JA23MJ	MRJ90STD	Mitsubishi Aircraft	ANA c/s, *18&19
LN-TRG	Beech B200	Sundt Air	
N215CJ	Ce525C	Textron Aviation	
N257JX	ERJ135LR	JetSuite X	arr 13
N350EE	EMB505	Embraer Executive Aircraft	arr 08
N350KF	Beech 350i	Textron Aviation	
N404E	DHC-8-402	L-3	
N425EX	Ce208B EX	Textron Aviation	
N500AF	G280	Gulfstream Aerospace	
N505GD	G500	Gulfstream Aerospace	
N511GD	G500	Gulfstream Aerosp.	Qatar Exec. c/s
N540BM	Zivko Edge	Blades	coded 24
N541HA	Zivko Edge	The Flying Bulls	
N600G	G600	Gulfstream Aerospace	
N650ER	G650ER	Gulfstream Aerospace	dep 21
N676EE	EMB550	Embraer Executive Aircraft	*17
N808GL	Global 6000	Global Flight	

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Reg	Type	Operator	Remarks	Reg	Type	Operator	Remarks
N1015B	B787-8	Boeing	Biman c/s, *16,17&19				15 July 2018
N3000B	T-6C	Textron Aviation					Remarks
N5103D	LM-100J	Lockheed Martin	*16-17, 19	EC-MLR	G650	TAG Aviation España	
N7201S	B737-MAX7	Boeing	*17	N138GL	G550	Solairus Aviation	
N8050U	AT-802L	L-3		N836BA	B737-7BC	Boeing	
OE-EGA	Ce208B EX	Grob Aircraft	unmarked, dep 24				16 July 2018
OE-FAS	Alpha Jet	Flying Bulls					Remarks
OE-FTF	DA-42NG	Diamond Aircraft		G-CEYL	Global XRS	TAG Aviation (UK)	dep
OE-VGE	DART-550	Diamond Aircraft		OE-AGT	G120TP	Grob Aircraft	
OE-VRX	DA42MPP	Diamond Aircraft					17 July 2018
OK-SGR	Bell 429	Blue SkyServices	King's titles				Remarks
PR-ZGQ	ERJ190E2	Embraer	*17, a14/d21	2-JFJC	Global Express	Volare Aviation	
PT-ZNJ	KC-390	Embraer	*17,19 dep 21	9H-ELI	Ce750	Luxwing	dep
RA-82078	AN-124-100	Volga-Dnepr	a13/d19	9H-VFH	CL-605	VistaJet Malta	dep
P2	T129	TAI	*17	9H-VJA	Global 6000	VistaJet Malta	dep
T7-ASG	P180 EVO	AlSaif Aviation		A6-AAG	CL-605	Arab Wings	
T7-RAS	HA-420	Rheinland Air Service		A6-ESH	A319-133X	Sharjah Ruler's Flight	
UR-EXP	An-178	Antonov		A6-FZZ	B737-8KN	Dubai Air Wing	dep
YL-CSI	A220-300	Air Baltic	dep 17	A6-HEH	B737-8AJ	Dubai Air Wing	
				A6-MRM	B737-8EC	Dubai Air Wing	
				DU-142	AW139	Dubai Air Wing	dep
				CS-DUA	BAe125-750	NetJets Europe	dep
				D-ANMB	Global 6000	ImperialJet Europe	
				D-CLAM	EMB-505	Liebherr Geschäftsreise Flugzeug	
				F-GYPE	ERJ135LR	Pan Européenne Air Service	
				G-EGVO	Falcon 900LX	TAG Aviation (UK)	arr
				G-FRRN	AW109	Harrier Enterprises	arr
				G-HOLM	EC135T2+	Capital Air Services	dep
				G-HUBY	ERJ135BJ	Luxaviation UK	
				G-IMEA	Beech 200	2 Excel Aviation	arr
				G-LCFC	A109S	Ceilo del Rey	dep
				G-MHAR	PA-42-720	BAE Systems	
				G-OASP	AS355F2	Helicopter and Pilot Services	
				G-ODSA	Bell 429	Starspeed	
				G-OWTN	ERJ145EP	BAE Systems	arr
				G-OXRS	Global XRS	TAG Aviation (UK)	
				G-PERG	EMB505	Air Charter Scotland	
				G-RCFC	BAe125-900XP	Saxonair Charter	dep
				G-REYS	CL-604	TAG Aviation (UK)	dep
				G-SENS	EC135T2+	Capital Air Services	dep
				G-VVBL	R44	Phoenix Helicopter Academy	
				G-WIZG	A109E	Tycoon Aviation	
				MM62209	A319-115X	306° Gruppo	arr
				M-LJGI	Falcon 7X	Ven Air	dep
				N1SG	Falcon 2000	Harvey Gulf International Marine	
				N102DZ	G-V	Executive Jet Management	
				N115QS	Global 5000	NetJets	
				N169LL	G-V	ZC Aviation	
				N512KS	Falcon 900LX	BeyondATX	dep
				N547BA	CL-650	Boeing	
				N835BA	B737-7BC	Boeing	
				N842DL	Falcon 2000LX	Mountain Aviation	dep
				N885AR	G450	Priester Aviation	

Reg	Type	Operator	Remarks
VA-1B-27	EAV-8B-22-MC+	Eslla 009	parked hangars, spare
VA.1B-37	EAV-8B-09-MC+	Eslla 009	parked hangars, 20-21
PS915	Spitfire PRXIX	BBMF	flypast 16
XP820	Beaver AL1	AACHF	weekend
XR244	Auster AOP9	AACHF	weekend
ZJ917	Typhoon FGR4	3(F)sqn	flypast 17
ZK318	Typhoon FGR4	29sqn	flypast 17
ZM145	F-35B	617sqn	flypast 16-17
F-WLXV	A350-1041	Airbus Industrie	17-20
F-WTTE	A330-941N	Airbus Industrie	17, dep 17
G-BIXL	P-51D	Robert Tyrrel	weekend
G-BSWC	PT-13D	David Jack	weekend
G-NFLA	BAe3102	Cranfield University	17, dep 19?
G-OFFO	EA-300L	2 Excel Aviation	16-17
G-ZEXL	EA-300L	2 Excel Aviation	16-17
G-ZXCL	EA-300L	2 Excel Aviation	16-17
G-ZXLL	EA-300L	2 Excel Aviation	16-17
91-0361/SP	F-16C	480th FS	21
91-0417/SP	F-16C	480th FS	18
96-0080/SP	F-16C	480th	noted 16
N25Y	P-38L	Flying Bulls	arr 16
N5308G	O-1A		weekend
N6123C	B-25J	Flying Bulls	weekend
OE-EAS	F-4U-4	Flying Bulls	21
OE-LDM	DC-6B	Flying Bulls	21
OE-XSY	Sycamore HR52	Flying Bulls	parked hangars, arr 15
VH-PPJ	Do328-110	EASP Air	17-20

Red Arrows conducted a flypast on the 16th.

Reg	Type	Operator	Remarks
4K-AZ100	Il-76TD-90VD	Silk Way	



Future Brazilian Navy Super Lynx 21A was seen at the static display at Farnborough. It was displayed by manufacturer Leonardo, still carrying its test serial ZH965. (17 July 2018, Martin Uleman)

Paris-Villaroche Air Legend



Wim Sonneveld

Villaroche Aerodrome, near Melun, south east of Paris, was chosen as location for the first Air Legend air show. Following a similar event at Habsheim-Rixheim (Alsace region) in 2016, JM Air Show turned to Paris to organise a great warbird event. Once a major site of French military testing, the Centre d'Essais en Vol (CEV) was based at Melun and many famous products of French aviation industry took to the sky from this holy ground for their first flights. The CEV has long left, but left behind its infrastructure, long runways and huge hangars, which are used nowadays by the Didier Chable/AMPAA collection and the Direction Générale de Aviation Civile (DGAC).

Air Legend was organised over the weekend of 8-9 September 2018 and attracted many interesting warbirds from France and abroad, a full list can be found below. Most of these demonstrated their characteristic sound over the weekend during the hours-long flying display programme. The organisers went long ways to enable the public to experience the legends and meet their crews. Flight lines were open for enthusiasts at a small extra fee before the main displays of the day started, with fences placed around the aircraft so views could not be obstructed by other photographers and everybody could get the best shots. The event was further boosted by the presence of the Patrouille de France, the Aeronavale and the very interesting AMPAA-collection, although the latter could not be visited by the main public. Let us hope this will be the first in a tradition of Air Legend events!

<u>Serial/registration:</u>	<u>Type:</u>	<u>Unit/previous ID:</u>	<u>Additional markings/remarks:</u>
<u>Static/flightlines:</u>			
E33/705-FJ, E42/705-TA	Alpha Jet E	EAC 00.314	"1918-2018" spec markings
160/62-IS	CN235M-200	ET 01.062	support Patrouille de France
6, 9, 21, 23	Rafale M	12 F	arr 09sep
F-AYAY	L-4A	ex 42-36375	"57-G"
F-AYZA	L-4H	ex 43-30036	"ZM-3"
F-AZBE	SNJ-4	ex Spain	"TA-127"
F-AZCV	T-6G	ex Spain E.16-191	"51-14456" AMPAA
F-AZEF	T-6G	ex France 51-14387	AMPAA
F-AZEG	F4U-5N	ex Honduras FAH600	"124724/NP-22"
F-AZES	MD312	ex 226/319-DG	
F-AZFN	AD4NA	ex Chad 11	"125716/22-DG" AMPAA
F-AZIK	Vampire FB6	ex Swiss J-1191	"10120/DU-G"
F-AZJA	TBM-3R	ex Bu85869	AMPAA
F-AZKM	OV-10B	ex Germany 99+24	"155454/26"
F-AZKU	P-40N	ex 42-105915	"Little Jeanne" AMPAA
F-AZLT	MS760	ex Aeronavale 32	
F-AZNN	Let C-11	ex Egypt	"14 wh"
F-AZOO	Vampire FB6	ex Swiss J-1127	"10017/DU-J"
F-AZOX	C-47B	ex Canada 12965	
F-AZSB	P-51D	ex Canada 9592	"411622/C-G4" "Nooky Booky IV" AMPAA
F-AZTL	T-6G	ex France 51-15102	"117207/CR-311"
F-AZVM	N2501	ex 105/62-SI	

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F-AZXJ	Fury T20	ex Iraq 316	"WH589/NW-115"
F-AZXN	PT-27	ex Canada FJ835	"N2S-3 3885" AMPAA
F-AZXR	Hurricane Mk2a	ex DR393	"P3351/K"
F-AZZF	CASA 1131E	ex Spain	"AZ+ZF"
F-AZZK	Yak-3U	(new build)	"48 wh"
F-AZZL	Lockheed 12A	also NR16020	
F-AZZM	AT-6C	ex Belgium H29	"&&-170" "Zero" look alike
F-BEJF	MS505		"BE+JF" AMPAA
F-GHIP	L-4B	ex 43-0496	"86-M"
F-ZBQI	EC145	Sécurité Civile	
(G-AWHH)	HA1112M1L	ex Spain C.4K-105	as Bf109 "-+9"
(G-AWHM)	HA1112M1L	ex Spain C.4K-99	as Bf109 "-+7"
(G-HURI)	Hurricane XII	ex Canada 5711	"P3700/RF-E"
(G-IBSY)	Spitfire FVc	ex EE602	"DV-V"
(G-MKVB)	Spitfire FVb	ex BM597	"JH-C" "Poland"
(G-OLEG)	Yak-3UA	(new-build)	
(G-ROBT)	Hurricane Mk1	ex P2902	"DX-R"
(G-RUMW)	FM-2	ex Bu86711	"JV579/F" "That old thing"
(G-THUN)	P-47D	ex 45-49192	"J-F4" "Nellie"
HB-RCF	D-3801	ex Swiss J-143	
HB-RDG	TBM-3R	ex Bu53319	"Charlie's Heavy"
HB-RYA	Yak-9UM	(new build)	"06 ye" "Москва"
N2913B	Beech D18S		
N32CS	CAC-13	ex RAAF A46-139	"Phooey"
N49AG	C-53D	ex 42-68810	AMPAA
N93	BT-13A	ex 42-42352	"Last Date - Bawls-Oot"
N9767	Canso A	ex Canada 9767/S	(AMPAA)
<u>Static:</u>			
(321)	Gomhouria Mk6	AMPAA	"DC+MV/1"
48	Mystere 4A	AMPAA	
202	Mirage 3B	AMPAA (see photo below)	ex CEV
(ex F-AZPN?)	CSS-13	nmks	"Жоэиан"
F-AYMI	Argus II	ex FZ827	
(F-AZMR)	N1001	ex France 216	"KG+FM"
F-GHLQ	J3C-65		"15243"

Patrouille de France, Alpha Jet E:

E44/1, E98/2, E119/3, E152/4, E146/5, E139/6, E113/7, E45/8, E68/9, E127/0

AMPAA hangar (not accessible for public):

9889	Bolingbroke	restoration	ex Canada
	Lysander	restoration	ex Canada?
DD-39	Avia B-33	restoration	ex Czechoslovakia
100	CM170-1	stored	"F_HKTC"
	HD-1	replica	
64	MH1521M	stored	
39?	SBD-5	dismantled	ex Aeronavale?
S1461	Spad S7	replica	
(610)	Firefly T2	dismantled	ex Ethiopia
6311	AAC-1	dismantled	ex Portugal
F-AJNQ/941/F	Latécoère 28.3	stored	
F-AZNH	HD34	stored	"1947-1997"
F-AZKG	T-28A Fennec	stored, damaged wings	ex France 82 "Big Lola"
F-AZKY	AD4NA	stored	ex Chad 37, "126937"
F-AZPO	CSS-13	stored	ex Poland, white c/s
F-AZZU	B-25J	stored	ex 45-8811 "9B"
(F-BFYY)	N1002	dismantled	ex France 242
F-BLYG	MS733	stored	ex France 110

Plus wrecks and major parts of a P-38 Lightning and a J2F Duck; three more unknown frames were in one of the side-rooms.

Safran:

337 Vautour 2N preserved



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Pitch Black 2018



Hans van Herk

Indian AF Su-30MKI-3 SB048 and RAAF F/A-18F A44-207 in close formation during Pitch Black 2018. Jurgen van Toor made this shot at Mindill Beach near Darwin, on 2 August 2018.

Exercise Pitch Black is a biennial three week multi-national large force employment exercise conducted from RAAF Base Darwin and RAAF Base Tindal. The 2018 edition was held from 27 July to 17 August 2018.

The main goal of this type of exercise is to ensure the Royal Australian Air Force remains ready to respond whenever the Australian Government requires. The training and integration of forces that occurs during this exercise directly supports the Royal Australian Air Force's ability to conduct operations. Pitch Black features a range of realistic, simulated threats which can be found in a modern battlespace environment and is an opportunity to test and improve our force integration, utilising one of the largest training airspace areas in the world - Bradshaw Field Training Area and Delamere Air Weapons Range.

The first Pitch Black exercises took place in 1981 between different RAAF units. In 1990, the exercise started training between Australia and Singapore, and it then expanded to other air forces with defence ties to Australia being invited. Countries unable to participate are able to send observers. Although the 2000, 2004 and 2006 exercises were held in the Northern Territory, the 2002 exercise was scaled down and held at RAAF Bases Amberley and Williamtown, on the Australian east coast. RAAF Base Glenbrook (near Sydney) is used as the command and control centre, as it would if the simulated conflict were real.

Looking at the participants and especially this year's edition it is noticeable that the exercise recognises the strong relationship Australia has with its participant nations and the high value it places on regional security and fostering closer ties throughout the Asia Pacific region.

More than 4,000 Australian and international personnel along with 140 aircraft belonging to Canada, France, Germany, India, Japan, Republic of Korea, New Zealand, Philippines, Indonesia and the US amongst others took part in the exercise. During Pitch Black 2018, RAAF's E/A-18G Growler electronic attack aircraft and C-27J Spartan battlefield airlifter debuted and a forward operating base was created at Batchelor Airfield.

In all, more than 1,120 missions were performed during the exercise and also saw the first participation of the Indian Air Force with the C-130J Hercules and Su-30MKI Flanker, as well as the French Air Force, flying with the Dassault Rafale.

The first week was mainly used for familiarisation flights, whilst the remaining two weeks participants were heavily involved in all kinds of training scenarios. At the end of the first week the RAAF created two public events. On Thursday late afternoon a sunset air show was arranged in front of

Mindil Beach in Darwin and on Saturday the base hosted an Open Day where all participating air forces could be seen up close.

The main flying force was operating out of RAAF Darwin, with almost 100 aircraft flying multiple missions each day. RAAF Tindal was the temporary home base for twelve USMC F/A-18Ds, two USMC KC-130Js and RAAF PC-9s and F/A-18A Hornets. According to the official RAAF information also two B-52Hs participated whilst operating out of Guam.

The trip to this year's Black Pitch exercise was made with 4Aviation. With a small group of aviation enthusiasts we tried our luck with photographing the exotic participants. Photography was possible at both ends of the runway during the day. Flying started early with several transport and tanker aircraft leaving the base. A spot on the northside of the runway was good for take-off shots, at that time of day the sun is in your back. Just before 09:00 hours the first fighter aircraft started their engines and soon after the first waves took to the air.

After these take-offs it was time to go to the western end for landing shots. Darwin is located at the Timor Sea and each day the wind direction is easterly in the morning changing to westerly in the afternoon. The sun turns over the runway around 3pm, after that photography is only possible on the eastern end.

Pitch Black 2020 is scheduled to be conducted in the Northern Territory in mid-2020.

The following participating aircraft were noted in the first week:

RAAF		
F/A-18A	75sq	A21-14, A21-47, A21-54 (3sq mks)
F/A-18A	77sq	A21-20, A21-36 (3sq mks), A21-40 A21-45, A21-50 (nmks) A21-53 (3sq mks), A21-54 (3sq mks)
F/A-18A	2 OCU	A21-25, A21-28, A21-56
F/A-18B	ARDU	A21-101
Plus one more classic Hornet.		
F/A-18F	1sq	A44-205, A44-206, A44-207, A44-210 (special mks), A44-211, A44-214, A44-221 A44-223, A44-224 (plus one more)
EA-18G	6sq	A46-303, A46-304, A46-308
C-17A	36sq	A41-213
C-27J	35sq	A34-003, A34-008, A34-009, A34-010
KC-30A	33sq	A39-003, A39-004
C-130J-30	37sq	A97-448, A97-467
Beech 350	38sq	A32-439
Also based:		
AP-3C	11sq	A9-662, A9-664

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The Royal Thai Air Force sent six Gripens to Darwin. One of these was (Kh20K-4/54)/70104. It belongs to 701sq 'Sharks' which is based at Surat Thani air base. (Darwin, 1 August 2018, Jurgan van Toor)



Although the markings on this legacy RAAF F/A-18A A21-54 are from 3sq, it belongs to 77sq. In December 2017, 3sq divested all of its legacy Hornets to other RAAF squadrons to prepare for the delivery of the F-35A. In September the first F-35A (A35-009) was delivered to 3sq at Luke AFB (AZ). (Darwin, 1 August 2018, Jurgan van Toor)



Singapore took part in Pitch Black with F-15s, F-16s, a G550 and KC-135. Seen here is F-16C-52-CF 642 from 143sq. (Darwin, 1 August 2018, Jurgan van Toor)

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Editorial addresses

Dutch Aviation Society
Postbus 75545
1118 ZN Schiphol
The Netherlands
Fax +31-84-738 3905
<http://www.scramble.nl>

Scramble Magazine:
ISSN 0927-3417

info@scramble.nl
subscribe@scramble.nl
mil@scramble.nl
civ@scramble.nl
milupload@scramble.nl
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There are currently three Airbus types in the fleet of Cebu Pacific Air. RP-C4114 is one of the five A321s, which were all delivered this year. (Manila-Ninoy Aquino, 2 August 2018, Ben Uffen)



The first of three new Bombardier Dash 8-400s ordered by Biman was delivered via Rotterdam-The Hague airport. S2-AJW arrived from Keflavik and departed after a very short stop to Corfu. (Rotterdam-The Hague, 19 September 2018, Maarten Visser Sr)



Azerbaijan Airlines received both of their Boeing 787 Dreamliners in December 2014. In November 2017 they ordered five additional ones. Pictured VP-BBR is seen at the gate at Baku. (17 April 2018, Andre Alders)



This photopage is dedicated to the Soesterberg Flight Event 2018. The National Military Museum opened their depots and brought out various normally hidden airplanes out for static display. We start with the sole Fokker S.14 jettrainer L-11 (Soesterberg, 25 August 2018, Mat Herben)



Dedicated to the period of 1969-1978 and the 32nd TFS "Wolfhounds" F-4E 67-0275/CR was pulled onto the apron. Manolito Jaarsma captured the Phantom in sunny conditions on 24 August 2018, just prior to the event.



We end this page with NF-5B K-4011, wearing 316sq markings and a grey scheme many fighters after the NF-5 also would be using. (Soesterberg, 24 August 2018, Dino van Doorn)