

**488**

January 2020

# Scramble

*Ocean Sky 19  
Dubai Air Show  
Triptease central Russia*

DUTCH AVIATION SOCIETY



*After fourteen years of service with China Airlines as B-18802 this Airbus A340 went to Victorville for storage. After three years it was sold to the Government of Swaziland and is operating since April 2018 as 3DC-SDF. (Denpasar, 19 October 2019, Pascal Simon)*



*Due to the new service to Martinique and Guadeloupe, Air Belgium has repainted Airbus A340 OO-ABB with dual titles. On the left side you see Martinique and on the right Guadeloupe. (Brussels South/Charleroi, 15 December 2019, Steven Picalausa)*



*The Air Belgium Airbus A340 OO-ABB is not the first aircraft which wears the dual titles Guadeloupe/Martinique. In the early nineties you could also find them on DC-10 F-GGMZ. (Brussels South Charleroi, 18 December 2019, Jochem Jottier)*

## Editorial

We have closed the doors on 2019 and welcome you all to 2020. We wish you a very healthy Happy New Year with lots of aviation fun !!!

November 30, 2019 was a date to remember, as we organized our annual Aviation Day. This was held in the Skydeck hangar at Teuge airport. It comprised the Air Fete and the Dutch Spotters Championships (NSK/Nationale Spotters Kampioenschappen). The Air Fete was attended by lots of enthusiasts, looking for that small bargain buy or a missing piece in their collection. The 30th edition of the NSK was -as always - a very challenging one. Scramble participated with two teams. Most years, the Scramble teams are always competitive to win the NSK and so they did!! It was a very close finish, but Scramble Team 1 won with just three points difference from number 2 in the contest which turned out to be ... Scramble Team 2. With two teams in the top three, we have the honour to organize the NSK in 2020!!

This month pretty much all sections are accounted for and we have one article. A report of exercise Ocean Sky 19, which was held at Gando Air Base on Las Palmas island in October 2019.

The front cover of this issue is a spectacular picture of a Belgian Air Force F-16. We are proud to announce our latest publication, the 6th Edition of the F-16 Fighting Falcon reference book. The book contains a stunning 244 pages and 80 colour pictures together with a complete overview of all airframes produced and their respective squadron histories. The book has been compiled by our editor Bjorn Claes, who performed a monk's job, to make the ultimate F-16 reference book.

New Scramble publications in 2020 will be: SWAF 2020, SMS Europe 2020 and a new edition of the SMT, the Scramble Military Transport reference guide. We expect these publications will be ready for sale in the early Spring, so again keep a close - and regular - eye on our webshop section and Social Media to prevent missing the opportunity to order one, before we run out of copies.

## Cover Photo



Photographed on 16 September 2019 near Sanicole (Belgium) by Patrick Vercauteren.

## Important dates

Scramble 489	
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## Contents

Movements Netherlands.....	2
Movements Belgium.....	15
Military Movements Elsewhere.....	20
Civil News.....	34
Manufacturers News.....	34
Airliner News.....	34
Jetliners.....	37
Commuters.....	42
Propliners.....	43
Fokker News.....	43
Bizjets.....	43
Bizprops.....	47
Soviet Updates.....	47
PH register.....	51
Wrecks & Relics.....	53
Warbirds.....	57
Dustpan & Brush.....	59
Military News & Updates.....	65
Showreports.....	95
Triptease.....	104
Miscellaneous	
Ocean Sky 19.....	118

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Please check [www.scramble.nl/shop.htm](http://www.scramble.nl/shop.htm) for ordering from outside the Netherlands. We offer PayPal and credit card services. Check our website for details on prices for subscribers and non-subscribers.

<b>Scramble World Airline Fleets 2019</b>	<b>243</b> pages
<b>Scramble F-16 Fighting Falcon - 6th edition</b>	<b>244</b> pages
<b>SMS Europe 2019</b>	<b>139</b> pages
<b>SMS North America 2019-2020</b>	<b>183</b> pages
<b>Scramble Military Transports 2017</b>	<b>87</b> pages

# Movements Netherlands



China Cargo Airlines has been operating this Boeing 747 since September 2007. B-2426 was repainted recently in these slightly whiter colours. (Amsterdam- Schiphol, 4 November 2019, Robert Eikelenboom)

## Amsterdam - Schiphol

November 2019			
01.9A-JSD	Ce525A	Jung Sky	JSY015C/016C
9H-VFH	CL-605	VistaJet Malta	02 VJT534
A6-EPJ	B777-31HER	Emirates	f/v UAE145/6
B-20AA	B787-9	China Southern	f/v CSN307/8
D-CFAZ	Lj60	FAI rent-a-jet	dep IFA1558
D-CQQQ	Ce560XLS+	DC Aviation	dep DCS709
D-CSCB	Ce560XLS+	Silver Cloud Air	SCR187
D-ISUN	Ce525A	Excellent Air	02 ECA5C
EC-MTY	A330-223	Evelop Airlines	dep SLM993
G-SONE	Ce525A	Centreline Air Charter	CLF188
LX-WEB	Ce525B	Jetfly Aviation	dep JFA43E
LX-WJD	HA-420	WiJet	FYL51JD/52JD
N29DE	Cirrus SF50	Deny Airlines	dep
N29DE	Cirrus SF50	Deny Airlines	06
N910RW	TBM-910	Redwood	dep
OO-MMT	Ce560XLS	Air Service Liège	dep
PH-HXN	B737-8K2	GOL	dep TRA051
PH-WTC	Falcon 2000S	Cartier Europe	f/v
SE-RMB	Ce525B	Svenskt Industriflyg	dep
SE-RMB	Ce525B	Svenskt Industriflyg	12
YU-PZM	Ce560XLS+	Air Pink	de
02.9H-PGS	A340-642X	Malet-Aero (a/w)	SLM9940/3004
9H-VFH	CL-605	VistaJet Malta	03 VJT534
A6-BND	B787-9	Ethihad Airways	f/v ETD77/8
D-CNUE	Lj60	FAI rent-a-jet	04 IFA1555/347
D-FEND	PC-12/47E	Miklan	
EC-MTY	A330-223	Evelop Airlines	SLM994/3
EC-NEI	B787-9	Air Europa	f/v AEA1093/4
OH-JRJ	PC-12/47E	Hendell Aviation	
OK-RLV	G280	Avcon Jet	03
SU-GDU	A330-343E	Egypt Air	MSR757/8
VQ-BAG	A320-214	Ural Airlines	f/v SVR743/4
03.9A-JSD	Ce525A	Jung Sky	04 JSY037C/038C
9H-ART	CL-601-3A	Air CM Global	f/v RJR004
9H-VJC	Global 6000	VistaJet Malta	04 VJT720
D-AGBB	Falcon 8X	Volkswagen	WGT2B
EC-MTY	A330-223	Evelop Airlines	SLM994/3
ES-SAQ	A320-214	Smartlynx Estonia (a/w)	EXS205/6
G-ESNA	EMB550	Air Charter Scotland	EDC046R
HB-IVJ	G650	ExecuJet Europe	VCN1
LX-FPF	Ce525B	Flying Group Luxemb.	FYL61F/62F
N515TJ	Beech 400A	Blackburn Int'l	
OE-FWF	Ce510	GlobeAir	04 GAC534M/238A
OE-GIE	Ce525B	Airlink	JAR31
OE-GTE	Ce560XLS+	Porsche Air Service	04
OO-MMT	Ce560XLS	Air Service Liège	06
SE-RRP	B737-8JP	Norwegian	f/v NAX1258/9
SU-GDT	A330-343E	Egypt Air	f/v MSR757/8
04.023	C295M	8.BLTr (13.el)	PLF032
4L-GAA	CL-850	Georgia Government	TGZ1703/4
9H-VFG	CL-605	VistaJet Malta	VJT547
B-209X	B787-9	China Southern	f/v CSN307/8
B-602V	Global 6000	Jingye Group	f/v 05
C-GNDN	G650	Skyservice Aviation	07 SYB2224/5
EC-GZA	CRJ200ER	Iberia Regional	ANE5673
EC-MTY	A330-223	Evelop Airlines	SLM994/3005
F-GZTP	B737-71B	ASL Airl. France	f/v FPO869/870F
G-NEOW	A321-251NX	British Airways	f/v BAW434/5
I-KERE	Falcon 2000	Leader	LSA201/2
LZ-BHM	A320-232	BH Air	f/v TVF4010/1
M-NTOS	Ce525C	Selementos	05
OE-FUX	Ce525A	Bairline	06
OE-LTF	G650	Avcon Jet	f/v 05 AOJ98F
OO-JAY	B737-8K5	TUI Belgium	JAF058F/TFL7307
OO-JAY	B737-8K5	TUI Belgium	06 TFL076P/905
TC-LLF	B787-9	Turkish Airlines	f/v THY1953/4
UP-SJ001	RRJ95LR	Comlux KZ	f/v UPSJ001
05.098/YO	EMB121AA	EAT00.319	CTM1762
9H-JDV	Ce525	NextGen Aviation (Malta)	f/v 06
9H-VCE	CL-350	VistaJet Malta	06 VJT474
9H-VFB	CL-605	VistaJet Malta	06 VJT598
B-20CJ	B787-9	China Southern	f/v CSN307/8
C-GASE	EMB545	Airsprint	f/v 07 ASP846
D-CAPO	Lj35A	Jet Executive	JEI424
D-CFHZ	EMB505	DAS Private Jets	
D-CZZZ	Ce560XLS+	DC Aviation	DCS707
EC-LXA	A330-343E	Evelop Airlines	f/v 06 SLM3006/993
G-HCSA	Ce525A	Bookajet	dep BOO113
LX-FPF	Ce525B	Flying Group Luxemb.	FYL63F/14F
LX-VMF	Ce560XL	Luxaviation	dep LXA15P
M-DMBP	Lj40	Ven Air	06
N18CZ	Global 6000	Exec. Jet Management	f/v 06 EJM18
N515TJ	Beech 400A	Blackburn Int'l	08
OE-FWF	Ce510	GlobeAir	GAC756L/534N
OE-GCA	Ce560XL	Goldeck Flug	GDK05CA
06.B-1128	B787-9	China Southern	f/v CSN307/8
C-FEDG	CL-300	Skyservice Aviation	12 SYB668
D-CFLY	Ce560XLS+	Air Hamburg	07 AHO474U
D-CSCE	EMB505	Luxaviation Germany	07 LXG55CE
HB-IVJ	G650	ExecuJet Europe	VCN1
LX-VMF	Ce560XL	Luxaviation	09 LXA15P
LX-WJD	HA-420	WiJet	07 FYL32JD/71JD
M-IFFY	Ce510	Xead Aviation	13
N600AR	G450	North Holdings	07
OE-FIT	Ce510	GlobeAir	GAC054Y/698M
OE-GCA	Ce560XL	Goldeck Flug	08 GDK06CA/08CA
OE-GMG	Ce650	Tyrolean Jet Service	dep
OE-GLS	Ce650	Tyrolean Jet Service	arr
OK-CTP	PC-12/47E	NetFlight	07 NTF533
OO-DTE	EC120B	Heliventure	
OO-JAY	B737-8K5	TUI Belgium	07 TFL906/923
P4-KDF	A321-271N	Air Astana	f/v KZR903/4
T7-VIP	CL-604	Elit'Avia San Marino	f/v 08
VP-BIE	A320-214	Ural Airlines	f/v SVR743/4
07.0110	B737-86X	1. BLTr	2x PLF110
9H-ILA	CL-850	VistaJet Malta	VJT602
9H-VCL	CL-350	VistaJet Malta	VJT418
9H-VFE	CL-605	VistaJet Malta	VJT569
D-CSOS	Lj45	Jetcall	JCL1
EC-LXA	A330-343E	Evelop Airlines	SLM994/3005
EC-MUA	B777-212ER	Privilege Style	08 SLM3004/993

G-HCSA	Ce525A	Bookajet	BOO113	OO-EYP	EC-120B	Heliventure	
G-YVIP	Beech B200	Capital Air Ambulance	EGL02	OO-XLS	Ce560XLS+	Air Service Liège	12
M-BHBH	G650	Aerofinance		SE-RRB	B737-8JP	Norwegian	f/v NAX4257/8
N616CM	TBM-850	Kilo Aviation		12.B-1242	B787-9	China Southern	f/v CSN307/8
OE-GGO	EMB505	M Jet	MJF279	D-AOLH	Fokker 100	Avanti Air	AFR9375/1693/1792/9377
OE-HED	G200	Avcon Jet	AOJ73D	D-CAGA	EMB505	Luxaviation Germany	LXG55GA
OO-JAY	B737-8K5	TUI Belgium	08 TFL924/557	D-CEIS	Ce680	Eisele Flugdienst	EFD6S
PH-HXO	B737-8K2	GOL	dep TRA051	D-CHRE	Ce680	Hahn Air	HHN909
VP-CIO	Lj60XR	Nexus Flight Operations	f/v 2x	D-CRON	Ce560XLS	Silver Cloud Air	SCR762
08.81	EMB121AN	28F	CTM1762	F-HBLK	ERJ190STD	HOP!	f/v AFR9370/1793
9H-VCB	CL-350	VistaJet Malta	VJT453	G-HCSA	Ce525A	Bookajet	13 BOO116
A6-BNA	B787-9	Ethihad Airways	f/v ETD77/8	LX-VMF	Ce560XL	Luxaviation	14 LXA15P
D-AGBH	Falcon 7X	Volkswagen	11 WGT8H	M-OCOM	CL-604	Shino Aviation	13
D-CVAA	PC-24	Volkswagen	WGT3C	N1TS	B737-7JY	First Virtual Air	
D-IOHL	Ce525A	Excellent Air	12 ECA3C	N60GM	Ce421C		f/v
F-GKOM	Falcon 900B	Dassault Aviation	DSO08MO	N100QS	Global 5000	NetJets	13
G-FXKR	Beech 400XT	Flairjet	dep FLJ53	N212WQ	Global 7500	One Campus Drive Services	f/v
G-WIRG	ERJ135BJ	Air Charter Scotland	EDC053	OE-FWF	Ce510	GlobeAir	13 GAC318U/207V
OE-FWF	Ce510	GlobeAir	GAC276W/054Z	OO-MMT	Ce560XLS	Air Service Liège	19
PH-HXK	B737-8K2	GOL	dep TRA051	SE-RMB	Ce525B	Svenskt Industriflyg	19
SE-ROT	A320-251N	Scandinavian	f/v SAS553/4	SE-ROS	A320-251N	Scandinavian	f/v SAS547/8
09.D-AGBB	Falcon 8X	Volkswagen	WGT2B	SP-OSA	Ce680	Jet Story	JD191Z
EC-MUA	B777-212ER	Privilege Style	SLM994/3	13.9H-ILZ	CL-850	VistaJet Malta	VJT683
N762MS	G650ER	WalMart	11	D-CHRE	Ce680	Hahn Air	HHN909
N887TM	G550	Airflite	dep	D-CSOS	Lj45	Jetcall	JCL1
OO-JAY	B737-8K5	TUI Belgium	10 TFL558/539	G-HCSA	Ce525A	Bookajet	BOO116/1104
OO-MMT	Ce560XLS	Air Service Liège	12	M-GGAL	Falcon 7X	Charter Air	f/v 14
OY-SKK	Falcon 8X	Air Alsie	f/v 10 MMD6527	M-JJTL	PC-12/47E	JJTL Partners	XCH364G
PH-HSA	B737-8K2	GOL	dep TRA053	N400BC	Global 6000	Ball Corp.	14
SU-GDT	A330-343E	Egypt Air	MSR757/8	N481SC	G-IVSP	Presidential Air	f/v 14 PRD81
VP-BCI	B747-467F	Sky Gates Airl.	div f/v 10 SAY9784	N890DA	G550	Craig Protein Division	15
VP-CHJ	Global 6000	Salzburg Jet Aviation	f/v	OE-FAT	Ce510	GlobeAir	14 GAC403P/591S
VQ-BCZ	A320-214	Ural Airlines	f/v SVR743/4	OE-IGL	Global 6000	Glock Aviation	14 GCK18
10.V-11	G-IV	334sq	NAF11	OK-KUK	Ce510	Aero Partner	DFC1FX
EC-MUA	B777-212ER	Privilege Style	SLM994/3	OO-JAY	B737-8K5	TUI Belgium	14 TFL906/923
N77UF	Global XRS	Fertitta Entertainment	11	PH-BKD	B787-10	KLM	del KLM9878
OE-FAT	Ce510	GlobeAir	11 GAC347E/863B	14.V-11	G-IV	334sq	NAF11
OE-FCB	Ce510	GlobeAir	11 GAC987T/834P	9H-IGH	Global 6000	VistaJet Malta	15 VJT775
OO-JAY	B737-8K5	TUI Belgium	13 TFL540/905	D-CROG	EMB505	Air Hamburg	15 AHO221T/292R
SU-GDU	A330-343E	Egypt Air	MSR757/8	D-CXLS	Ce560XLS+	Air Hamburg	AHO394T
T7-MMZ	Ce525	Avcon Jet San Marino	f/v	D-IAAY	EMB500	Arcus Air	15 AZE69QY/61QY
11.9H-ALL	Ce525A	Luxwing	LWG191/102	EC-MUA	B777-212ER	Privilege Style	15 SLM994/3
9H-JLK	Falcon 7X	TAG Aviation Malta	TEU11	G-HCSA	Ce525A	Bookajet	17 BOO1104/117
9H-VCB	CL-350	VistaJet Malta	VJT453	N1RP	G550	Penske Jet	
D-CMMP	EMB505	Luxaviation Germany	LXG55MP	OE-IKH	G550	Avcon Jet	f/v 17 AOJ92H
D-IAAY	EMB500	Arcus Air	AZE391F/311F	OO-JAY	B737-8K5	TUI Belgium	15 TFL924/557
D-INOB	Ce525A	Atlas Air Service	ATL3Z	OY-JZJ	B737-82R	Jet Time	f/v IBK3540/1
EC-MUA	B777-212ER	Privilege Style	13 SLM994/3	15.0110	B737-86X	1. BLTr	PLF110
N625SC	Global 5000	Stryker		D-AGBH	Falcon 7X	Volkswagen	18 WGT8H
N770KF	Global 6000	West Coast Wine Ventures	13	D-CROG	EMB505	Air Hamburg	16 AHO221T
OE-FCB	Ce510	GlobeAir	12 GAC834Q/584T	D-IAAY	EMB500	Arcus Air	AZE62QY/79AR
OE-FIT	Ce510	GlobeAir	GAC911T/406H	N887TM	G550	Airflite	20
OE-FZD	Ce510	GlobeAir	GAC517G/403N	OE-HRS	CL-350	Avcon Jet	AOJ78R
OE-GCA	Ce560XL	Goldeck Flug	15 GDK11CA/15CA	OO-JAU	B737-8K5	TUI Belgium	JAF950F/9501



OM-IEX had been leased to SmartWings for the summer of 2019. It retained the tail colours of that airline when the Boeing 737 was returned to AirExplore and subsequently leased to El Al. (Amsterdam- Schiphol, 24 November 2019, Paul Zegers)



The Jingye Group is a multi-industrial company mainly specialized in iron and steel. Global 6000 B-602V was delivered to the group in December 2018. (Amsterdam- Schiphol, 4 November 2019, Jeroen Westram)

SE-RRN	B737-8JP	Norwegian	f/v NAX4257/8	YU-PCC	Ce560XLS+	Air Pink	f/v
TC-DAK	Ce560XLS+	TAHE	17	20.9H-PLM	Ce650	Luxwing	21 LWG801
16.EC-MUA	B777-212ER	Privilege Style	SLM994/3003	B-3233	G450	Yinvest Holdings	f/v 24
F-HBLL	ERJ190STD	Air France / HOP	f/v AFR1792/3	D-CAPB	Ce560	Aerowest	
G-UZLI	A320-251N	EasyJet	f/v EZY2157/8	D-CHRT	EMB505	Dietz Aviation	f/v 24
LX-JFB	PC-12/47E	Jetfly Aviation	17 JFA81C/64G	D-CRON	Ce560XLS	Silver Cloud Air	22 SCR762
OO-ABE	A340-313E	Air Belgium	17 SLM3006/993	D-ICAO	Ce525	Lothringen Aero Service	21
OO-JAY	B737-8K5	TUI Belgium	17 TFL558/539	D-ISJP	Ce525A	Excellent Air	21 ECA1C
SU-GDT	A330-343E	Egypt Air	MSR757/8	HB-JSU	Falcon 900DX	Int'l Jet Management	22 IJM612
17.D-CANG	Ce560XLS+	Air Hamburg	AHO348Q	M-ALFA	EC-145	Starspeed	f/v
LX-VMF	Ce560XL	Luxaviation	27 LXA15P	N194ER	Ce510	Blue Sky Aviation	
N843GX	N843GX	Global Express	19	N996MS	Falcon 7X	Astro Air (Hong Kong)	f/v 21
OE-FPP	Ce510	GlobeAir	GAC471Q/360R	OE-FZC	Ce510	GlobeAir	21 GAC578Y/467Z
OO-JAY	B737-8K5	TUI Belgium	19 TFL540/921	OO-ABB	A340-313E	Air Belgium	f/v SLM3006/993
SP-TTA	Beech 400A	Smart Jet	SAH59P	OO-JAY	B737-8K5	TUI Belgium	21 TFL520/923
SU-GDT	A330-343E	Egypt Air	MSR757/8	OO-MMT	Ce560XLS	Air Service Liège	21
T7-DSD	G150	ICS Aero	f/v 18	SE-RMB	Ce525B	Svenskt Industriflyg	24
18.9H-JLK	Falcon 7X	TAG Aviation Malta	21 TEU11	SP-OSA	Ce680	Jet Story	21 JDI91Z
D-AGBE	Falcon 7X	Volkswagen	WGT5E	SP-TTA	Beech 400A	Smart Jet	SAH59P
D-CSOS	Lj45	Jetcall	19 JCL1	VQ-BRE	A320-214	Ural Airlines	f/v SVR743/4
D-FAAA	PC-12/47E	IKA-Werke	f/v	21.9H-JLK	Falcon 7X	TAG Aviation Malta	28 TEU11
D-IOHL	Ce525A	Excellent Air	19 ECA3C	9H-VFE	CL-605	VistaJet Malta	22 VJT001/569
LX-PCA	PC-24	Jetfly Aviation	19 JFA97P/38A	C-GJDU	CL-350	Execaire	
M-ABCC	Global 6000	Airinc Direct	20	D-CAHO	Ce560XLS+	Air Hamburg	AHO417C/445D
M-NTOS	Ce525C	Selementos		D-CGGG	Lj31A	Jetcall	22 JCL3
M-OCOM	CL-604	Shino Aviation	19	D-ITRA	Ce525	Transavia Flug	
N206FS	G280	Jet Edge	f/v 19 EDG206	D-IUVH	Ce510	Haacke LTIF	
N988CV	CL-604	MAC Air Group	f/v 20	F-HMAU	EMB500	Lei Moa	
OO-ABE	A340-313E	Air Belgium	SLM994/3005	G-SHUI	Ce680A	Air Charter Scotland	EDC005R/087
OY-SKK	Falcon 8X	Air Alsie	MMD6527	M-INNI	Lj60XR	M-INNI Aviation	f/v
19.9H-VCD	CL-350	VistaJet Malta	22 VJT467	N194ER	Ce510	Blue Sky Aviation	
9H-VFF	CL-605	VistaJet Malta	21 VJT551	OE-FZC	Ce510	GlobeAir	22 GAC467B/621U
D-AHGN	Global 6000	Windorse Air	QGA986R/987R	OE-FZD	Ce510	GlobeAir	GAC337K/567Z
D-CANG	Ce560XLS+	Air Hamburg	20 AHO394T/489B	OO-ABB	A340-313E	Air Belgium	SLM994/3
D-CAPO	Lj35A	Jet Executive	JEI424	OO-JAY	B737-8K5	TUI Belgium	22 TFL024/047P
D-CBBB	Ce560XLS+	DC Aviation	DCS703	OY-JZI	B737-83N	Jet Time	IBK3540/1
D-CRON	Ce560XLS	Silver Cloud Air	SCR762	22.9H-ILY	CL-850	VistaJet Malta	VJT630
D-CSTU	Lj60	FAI rent-a-jet	f/v 20 IFA720	9H-VJK	Global 6000	VistaJet Malta	VJT836
D-FTON	PC-12/47E			CS-LTM	Ce680A	NetJets Europe	f/v 23 NJE6EQ
G-HCSA	Ce525A	Bookajet	27 BOO117/9	D-AGBE	Falcon 7X	Volkswagen	26 WGT5E
HB-LUT	P180	Greenwings	20	D-CRON	Ce560XLS	Silver Cloud Air	24 SCR762
I-FEDN	Falcon 2000LX	Sirio	20 SIO615	D-CTWO	Lj35A	Air Alliance Express	AYY108
M-FROG	Raytheon 390	Sam Sports & Marketing	21	D-ITAN	Ce525	Transavia Flug	
M-JJTL	PC-12/47E	JJTL Partners	20 XCH365G	EJ-CORE	ERJ135BJ	Gain Jet Ireland	GJ165R
M-NTOS	Ce525C	Selementos		M-OEPL	Falcon 7X	Auburn Oak Nigeria	
N405QS	G450	Netjets	21	N887TM	G550	Airflite	30
N421SC	Falcon 2000LX	Stryker	20	OE-FCB	Ce510	GlobeAir	GAC342U/V
N524EA	G650ER	Landmark Aviation	21	OE-GBD	IAI1125SPX	Tyrol Air Ambulance	23 TYW432/1
N546QS	G550	NetJets	20	OH-ADM	CL-350	Jetflite	JEF88
N747RL	Falcon 7X	Lewis Aeronautical	f/v 20	OO-MMT	Ce560XLS	Air Service Liège	
N900FH	TBM-900	HTG Trading		SP-MRB	Saab 340A	SkyTaxi	24 IGA726/8
OE-FPP	Ce510	GlobeAir	GAC448J/337J	23.F-HICU	BAe125-900XP	Airlec	f/v ARL127
OO-JAY	B737-8K5	TUI Belgium	20 TFL922/519	OO-ABB	A340-313E	Air Belgium	SLM994/3
OO-SKS	Ce560XLS	Luxaviation Belgium	AAB507	OO-MMT	Ce560XLS	Air Service Liège	25
OO-XLS	Ce560XLS+	Air Service Liège	24	SU-GDS	A330-343E	Egypt Air	MSR757/8
SE-RMB	Ce525B	Svenskt Industriflyg	20	24.9H-VJM	Global 6000	VistaJet Malta	26 VJT850
SP-OSA	Ce680	Jet Story	JDI91Z	D-CROG	EMB505	Air Hamburg	25 AHO298K
VP-CLL	ERJ135BJ	Burgan Bank	22	D-CRON	Ce560XLS	Silver Cloud Air	26 SCR762





Although registered to Lock Haven Aircraft Sales Cessna 550 N501RL was ferried through Rotterdam by a company called Wings of Eagles Aircraft Delivery while on its way to its new owner in Tunisia. (Rotterdam - The Hague, 22 November 2019, Kees van Boven)

PH-TXA	Ce510	JetNetherlands	dep	D-IXRK	P180	Winair	arr
03. D-IHUB	Ce525A	Sylt Air	04 AWU503E/4E	OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW431/2
I-ARFX	ERJ135BJ	Sirio	dep SIO411	10. CS-PHG	EMB505	NetJets Europe	11 NJE6KY/929D
M-OCNY	CL-350	RCR Jets		N616CM	TBM-850	Kilo Aviation	
M-PIRE	P180	Northside Aviation	arr	OY-GDA	ERJ195LR	Great Dane Airlines	GDE972
OE-IEN	Falcon 2000EX	Global Jet Austria	GLJ93EN	PH-KFB	DA42NG	KLM Flight Academy	2x *KLM7906
PH-BBJ	Ce560XLS+	ASL	06	11. 9H-JLK	Falcon 7X	TAG Aviation Malta	dep TEU11
SP-AST	Ce525	AMC Aviation	04	CS-PHG	EMB505	NetJets Europe	12 NJE280A/981U
04. CS-CHA	CL-350	NetJets Europe	NJE533T/355Q	D-IKOE	Ce510	Reederei Köpping	12
D-CSCB	Ce560XLS+	Silver Cloud Air	SCR187	D-ISAR	Raytheon 390	Euroflug Frenzel	12
D-IAAH	Beech C90A	Volkman		G-FLYW	Beech 200	Fly Wales	PYN01
EC-KPB	Ce560XLS	Boluda Corporacion Marítima	07 2x	HB-FOW	PC-12/45	Future Wings	
OE-FRM	Ce510	GlobeAir	GAC606F/224B	OO-HCY	R44	Heli & Co	12
PH-VBG	Falcon 2000EX	JetNetherlands	dep	OO-IDE	Ce525	Air Service Liège	dep
05. D-IJET	P180	AirGo Flugservice	XGO1RD/MN	OO-XLS	Ce560XLS+	Air Service Liège	dep
D-ITWL	Ce425	Konstage		12. CS-LTF	Ce680A	NetJets Europe	NJE899W/804W
F-HOLI	PC-12/47E	Voldirect	06	D-AJOY	CL-850	AirX Charter (Germany)	AXG1213/2
HB-JKP	G650	Jet Aviation Business Jets		D-CAWB	Ce680	Aerowest	
LX-RSQ	Lj45XR	European Air Ambulance	LRQ777G	D-CFAZ	Lj60	FAI Rent-A-Jet	13 IFA1576/5
M-CITY	Ce525B	Iniala Jet	06	D-FWIT	PC-12/47E	Air Alliance	2x
PH-HVB	EC135T2+	ANWB - MAA	Lifelinero1	G-BJNZ	PA-23-250	J.A.D. Richardson	15
PH-JTJ	Ce680	Exxaero	XRO627	M-ABGS	CL-605	ExecuJet UK	
PH-TXA	Ce510	JetNetherlands	06	N620CM	Ce510	Relay Securities	13 2x
PH-VBG	Falcon 2000EX	JetNetherlands	11	OE-FCB	Ce510	GlobeAir	GAC584T/473U
S5-ACJ	ERJ145LU	Amelia International	AEH471F/471	OO-HCY	R44	Heli & Co	13
YU-PBB	Ce560XLS+	Air Pink		PH-HVB	EC135T2+	ANWB - MAA	Lifelinero1
06. CS-DUB	BAe125-750	NetJets Europe	NJE4AL/971F	PH-VBG	Falcon 2000EX	JetNetherlands	18
D-CAMB	Lj31A	Jetcall	JCL4	PH-WRW	EC120B	Heli Holland Holding	
D-ISAR	Raytheon 390	Euroflug Frenzel		13. CS-DLH	Falcon 2000EX	NetJets Europe	NJE202D/3ND
HB-JVU	ERJ190LR	Helvetic Airways	OAW8462/1463	D-ASEE	A320-214	Sundair	SDR832F/8235
N36JE	G-IV	Ajeton	08	D-CAWB	Ce680	Aerowest	
OO-ACO	Ce510	Air Service Liège	28	D-CHLR	EMB505	Atlas Air Service	ATL9K
OO-AMR	Ce525A	Air Service Liège		G-FLYW	Beech 200	Fly Wales	PYN01
PH-BBJ	Ce560XLS+	ASL	08	G-JBLL	BAe125-800B	Sovereign Business Jets	RHK37A/B
PH-JTJ	Ce680	Exxaero	XRO627	N103AB	SF-50	Cirrus Design	14
SE-RMT	Global 6000	SAAB		N312AF	Global 6000	Jet Avn Flight Services	14 JAS626
07. V-11	G-IV	334sq	NAF11	OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW431/2
D-FWIT	PC-12/47E	Air Alliance	2x	OY-GFS	Falcon 2000LXS	Air Alsie	14 MMD4738/615
LX-WJD	HA-420	WiJet	FYL52JD/33JD	14. CS-LTM	Ce680A	NetJets Europe	22 NJE102E/6EQ
OE-EAU	PC-12/47E		08	F-HXRG	Global XRS	Ondina Strategies	IXR514G
OE-IBK	ERJ135BJ	Avcon Jet	AOJ84K	G-ZNTH	Lj75	Zenith Aviation	BZE07A/B
OO-AMR	Ce525A	Air Service Liège	11	PH-LAB	Ce550	NLR - TU Delft	
PH-CMW	Ce525	Uniwest	dep	15. CS-LTL	Ce680A	NetJets Europe	16 NJE458H/5DY
PH-TXA	Ce510	JetNetherlands		D-ATOP	ERJ135BJ	Air Hamburg	AHO889Z
S5-ACJ	ERJ145LU	Amelia Int'l	08 AEH472/831F	D-BEAR	Ce750	AirX Charter (Germ.)	17 AXG1507/707
08. V-11	G-IV	334sq	NAF11	M-JCBB	G650	JC Bamford Excavators	JCB1
D-ILHE	Ce525	European Flight Academy	*DLH9980	OY-GFS	Falcon 2000LXS	Air Alsie	MMD4615
F-GSLZ	Falcon 100	Harmony Jets	HMJ208	PH-LAU	Falcon 900EX	Exxaero	XRO656
HB-JVU	ERJ190LR	Helvetic Airways	OAW1464/8465	PH-TCN	P180	JetNetherlands	18
LX-PCA	PC-24	Jetfly Aviation	JFA17A/8A	RA-67428	Ce525	Jet Travel Club	div 17
N188W	G650	Alexier	09	S5-CGC	PA-31-350	Geodetski Zavod Slovenije	
N888SF	Ce680	Steiner Film Aviation		16. T7-MBH	ERJ135BJ	Empire Aviation Group	20
P4-RMK	ERJ135BJ	Russian Copper Company	09 f/v	17. CS-DLB	Falcon 2000EX	NetJets Europe	18 NJE670B/5NP
PH-HVB	EC135T2+	ANWB - MAA	Lifelinero1	D-CCCA	Lj35A	Jet Executive Int'l Charter	JEI272/62
09. V-11	G-IV	334sq	NAF11	D-CQAJ	Lj35A	Quick Air	QAJ2586
D-HGVB	R44	Rotavisie		M-OEPL	Falcon 8X	Auburn Oak Nigeria	

PH-BBJ	Ce560XLS+	ASL	18	D-ILHC	Ce525	European Flight Academy *DLH9977
PH-HVB	EC135T2+	ANWB - MAA	Lifeline01	N116MA	Lj36A	Skyline Aviation
PH-LAU	Falcon 900EX	Exxaero	20 XRO656/83	OE-FZE	Ce510	GlobeAir
18.CS-DLG	Falcon 2000EX	NetJets Europe	19 NJE2PH/934R	OY-CLY	ATR72-212A	Alsie Express
D-CDOC	Lj45	Jetcall	JCL2	PH-ELP	EC135T2	ANWB - MAA
D-IGWT	Ce525A	Sylt Air	AWU718G	PH-ULP	EC135T2	ANWB - MAA
F-GZTZ	B737-8K5	ASL Airl. France	19 FPO818F/817	YU-PBB	Ce560XLS+	Air Pink
G-THFC	ERJ135BJ	Luxaviation UK	19 LNX27TC	26.CS-LTE	Ce680A	NetJets Europe
N585JC	G-V	Executive Jet Management	EJM585	CS-LTJ	Ce680A	NetJets Europe
N671LE	G550	Polaris Aviation Solutions		D-CFMI	EMB505	GEMÜ-Gebrüder Müller
PH-MYX	Ce650	JetNetherlands	arr	D-FWIT	PC-12/47E	Air Alliance
T7-APG	HA-420	Alpha Golf Aviation	19 f/v	D-GVCC	DA42	Rent-A-Plane
19.D-ATOP	ERJ135BJ	Air Hamburg	AHO889Z/333	N900FH	TBM-900	HTG Trading
D-GGWB	DA42	Rhein-Main Aviation	2x	N979TX	Ce525 (M2)	Textron Aviation
D-ILHE	Ce525	European Flight Academy *DLH9972		OY-CLY	ATR72-212A	Alsie Express
LX-JFY	PC-12/47E	Jetfly Aviation	JFA03Y/52F	PH-VBG	Falcon 2000EX	JetNetherlands
OE-FCB	Ce510	GlobeAir	GAC296D/E	27 02	C-37B	Washington
PH-FIS	Ce525	JetNetherlands	dep	9H-AEQ	A320-214	Air Malta
PH-TCN	P180	JetNetherlands	20	9H-CLG	CL-850	AirX Charter
PH-VBG	Falcon 2000EX	JetNetherlands	21	CS-DXG	Ce560XLS	NetJets Europe
20.CS-CHA	CL-350	NetJets Europe	NJE5KZ/512L	CS-DXX	Ce560XLS	NetJets Europe
D-CDOC	Lj45	Jetcall	JCL2	CS-EJA	Ce560XLS	EJME (Portugal)
F-GZTZ	B737-8K5	ASL Airlines France	FPO818/818F	CS-LTM	Ce680A	NetJets Europe
M-POWR	Beech C90A	Northside Aviation	21	G-POWK	A320-233	Titan Airways
N236PS	G200	Solairus Aviation	21	N900FH	TBM-900	HTG Trading
OE-FZB	Ce510	GlobeAir	GAC918N/P	N979TX	Ce525 (M2)	Textron Aviation
PH-TCN	P180	JetNetherlands	22	PH-DAM	P180	JetNetherlands
PH-TXA	Ce510	JetNetherlands	23	PH-MAA	EC135T2+	ANWB - MAA
21.CS-DXT	Ce560XLS	NetJets Europe	NJE6UA/046W	28.CS-PHD	EMB505	NetJets Europe
D-FWIT	PC-12/47E	Air Alliance	2x	G-JZBE	B737-800	Jet2
D-ICBA	Ce525A	ProAir Aviation	22	HB-JSS	Falcon 7X	CAT Aviation
G-MOCL	CL-604	Luxaviation UK	LNX20CL	N194ER	Ce510	Blue Sky Aviation
VP-BNW	BAe125-850XP	Sirius-Aero	22 CIG1671/2	OE-FWF	Ce510	GlobeAir
22.Q-05	AH-64D	301sq	*Redskin41	PH-HVB	EC135T2+	ANWB - MAA
D-ASSK	A319-111	Sundair	f/v SDR8050	PH-TCN	P180	JetNetherlands
D-ASSK	A319-111	Sundair	SDR8051/853F	SE-MBJ	PA-34-220T	AKRUS
D-CAGA	EMB505	Luxaviation Germany	LXG55GA	29.CS-LTL	Ce680A	NetJets Europe
D-CQAB	Lj45	Quick Air	QAJ1110	F-HRCA	Ce525	RC Air
N501RL	Ce550	Wings of Eagles Aircraft Delivery		N315ML	Beech 350	Sky West Aviation
OE-FMI	Ce525	Fly Tirol	23 FTY2	OO-CCJ	Ce525	Air Service Liège
OE-GXL	Ce560XL	Speedwings	SPG069	OO-CEJ	Ce525	Air Service Liège
PH-ADT	CRJ900LR	SAMCO Aircraft Maint.	div SX11958	OO-CEJ	Ce525	Air Service Liège
PH-LAB	Ce550	NLR - TU Delft		OO-MMT	Ce560XLS	Air Service Liège
PH-VBG	Falcon 2000EX	JetNetherlands	25	PH-BBJ	Ce560XLS+	ASL
23.9A-JIP	Ce525A	Air Pannonia	26			
CS-DXZ	Ce560XLS	NetJets Europe	24 NJE189U/5QJ			
D-GGWB	DA42	Rhein-Main Aviation	2x			
F-HSFJ	Ce680A	Astonjet	ASJ660			
G-HAFG	Ce340A	BH Avn Flight Services	24			
PH-MFX	Ce650	JetNetherlands	25			
24.D-ICBA	Ce525A	ProAir Aviation				
D-IGWT	Ce525A	Sylt Air	27 AWU724G/7G			
I-MLPA	Beech B200	Aelia				
PH-HVB	EC135T2+	ANWB - MAA	Lifeline01			
PH-TCN	P180	JetNetherlands	27			
25.CN-RBS	BAe125-900XP	Sarah Airways	26 SRA272			
D-CQAB	Lj45	Quick Air	QAJ3646			

Helvetic Airways operated a football charter for BSC Young Boys on the 6th. The return flight took place two days later. The Cirrus on the 13th was on a delivery flight to Poland. The Cessna 525 on the 15th was an Amsterdam diversion. The Hondajet on the 18th was also on a delivery flight and visited Rotterdam for customs reasons. The Cessna 550 on the 22nd was on its way to Tunisia on delivery. On that same day a former Adria Canadairjet on its way to Maastricht diverted to Rotterdam. The Partizan Belgrado team was transported to Rotterdam using an Air Malta Airbus on the 27th.

Credits: Rotterdam Airport, Airnieuws, Rotterdam The Hague



This Embraer was delivered to the Russian Copper Company Holding as M-RCCH in December 2016. The ERJ135BJ was reregistered as P4-RMK in October 2019 with Flight Holdings as the official operator but judging by the logo on its tail it is still with the Russian Copper Company Holding. (Rotterdam - The Hague, 9 November 2019, Cor Mout)



Delivered to easyJet in October 2004 as G-EZEU, acquired by Sky Airline in Chile as CC-AFX this Airbus A319 ended up with Sundair in September 2019 as D-ASSK. (Rotterdam - The Hague, 22 November 2019, Cor van Gent)

Airport Aviation (Facebook group), Scramble MB.

## Maastricht - Aachen

		November 2019	
01.4K-SW008	B747-4R7F	Silk Way West Airlines	AZG256/1784
D-AXAY	A320-271N	VivaAerobus	dep AIB167C
D-CSCB	Ce560XLS+	Silver Cloud Air	02 SCR187/8
D-IBJJ	Ce525A	Air Hamburg	02 AHO182N/24Z
D-ICMF	Ce425	Air Charter Lübeck	
LX-SCV	B747-4R7F	Cargolux	CLX7135
N762MS	G650ER	Wal-mart Stores	dep
OM-GTG	B737-84P	Corendon (a/w)	CAI596/5
02.PH-DWS	ERJ135LR	Air Charters Europe	dep JNL052
PH-TXA	Ce510	JetNetherlands	
03.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG4252/3
D-IAAY	EMB500	Arcus Air	04 AZE51HI/79AJ
LX-ECV	B747-4HQERF	Cargolux	CLX7656
N194ER	Ce510	Blue Sky Aviation	
OE-HZA	ATR42-300F	Zimex Aviation Austria	dep
PH-BBJ	Ce560XLS+	ASL	
04.40-VIP	EC120B	HeliFlight	
5B-DDB	Fokker 70	Tus Airways	arr CYF125
9H-QCS	B737-8AS	Malta Air	f/v RYR3SB/6ZH
G-PKHA	PC-12/47E	Pilatus Beheer	2x
HB-JCA	CS300	Swiss	17 SWR5186/95
OE-FMJ	Ce525A	Heron Aviation	HRN122
OO-TNC	B737-8K5	TUI Belgium	JAF920F/9200
PH-DWA	ERJ145LR	Air Charters Europe	dep JNL785
05.D-AVXU	A321-271NX	Airbus Industrie	dep AIB054C
D-AVYK	A321-271N	Airbus Industrie	12 AIB971B/C
06.D-CJPG	Lj35A	Quick Air	QAJ2864
OO-JBG	B737-8K5	TUI Belgium	JAF9300/940F
PH-DWA	ERJ145LR	Air Charters Europe	09 JNL785/029
07.LX-GCL	B747-467F	Cargolux	UAE9962
LX-MCL	B747-4HAERF	Cargolux	f/v CLX7613
P4-KCE	ERJ190LR	Air Astana (a/w)	tst KZR1387, KZR1388
08.9H-QCB	B737-8AS	Malta Air	f/v RYR3SB/6ZH
CS-PHN	EMB505	NetJets Europe	09 NJE2TN
LX-YCV	B747-4R7F	Cargolux Italia	CLX7135
OE-FWF	Ce510	GlobeAir	GAC047A/276W
OO-ECB	EC120B	Modularte	arr
OO-NEY	EMB545	Air Service Liège	
S-441	AS532U2	300sq	*NAF441
09.LX-KCL	B747-4HAERF	Cargolux	f/v CLX7615
TC-ACM	B747-428ERF	Saudia	10 SVA3042/37
10.4K-SW800	B747-4R7F	Silk Way West Airlines	f/v AZG4250/1
LX-FCL	B747-467F	Cargolux	CLX7656
PH-TXA	Ce510	JetNetherlands	
11.OO-NEY	EMB545	Air Service Liège	
P4-GVV	G550	ABS Jets	
P4-KCE	ERJ190LR	Air Astana (a/w)	tst KZR1387
PH-BBJ	Ce560XLS+	ASL	
12.D-AOLH	Fokker 100	Avanti Air	13 AFR9377/ATV301
D-CXLS	Ce560XLS+	Air Hamburg	AHO438W/386H
PH-DWA	ERJ145LR	Air Charters Europe	15 JNL115/848
13.LN-AGR	Falcon 7X	Sundt Air	17 AKK7
	PH-FJK		
	PH-LAB		
14.LX-GCL	B747-467F	Ce525B	
LX-LCL	B747-4HAERF	Ce550	
OK-GLX	G200	B747-467F	
15.CS-PHJ	EMB505	Cargolux	UAE9962
LX-TCV	B747-4R7F	Cargolux	f/v CLX7613
OE-FCB	Ce510	Eclair Aviation	17 ECC301/2
PH-ADO	CRJ900ER	NetJets Europe	NJE9FF/203F
PH-FJK	Ce525B	Cargolux Italia	CLX7135
SP-MSG	EMB505	GlobeAir	GAC264M/N
VQ-BEJ	A320-214	SAMCO Aircraft Maint.	dep SX11600
16.F-GUSA	R44	JetNetherlands	
LX-JCV	B747-4EVERF	Agata	17
17.D-AOLH	Fokker 100	Aeroflot	26 AFL7722/3
HB-JCB	CS300	Eurofly Communication	arr
LX-WCV	B747-4R7F	Cargolux	CLX7615
OE-FGI	Ce525	Avanti Air	18 ATV304/AFR9375
PH-DWA	ERJ145LR	Swiss	29 SWR5194/85
18.9H-QAJ	B737-800	Cargolux	CLX7656
D-AAAX	CL-604	Pink Sparrow	SOW2
N405QS	G450	Air Charters Europe	28 JNL848/622
N543GL	Global 6000	Malta Air	f/v RYR3SB/6ZH
P4-KCE	ERJ190LR	Air Independence	
VP-BCI	B747-467F	NetJets	19
19.CS-DXH	Ce56XLS	Skechers USA	
D-AOLH	Fokker 100	Air Astana (a/w)	dep KZR1387
LX-GCL	B747-467F	Sky Gates Airlines	div 19 SAY9305
N139LE	L-39ZO	NetJets Europe	NJE814N/514M
SP-IAF	EMB500	Avanti Air	20 AFR9378/ATV305
TC-ACG	B747-481(F)	Cargolux	UAE9934
TC-ACM	B747-428ERF	Skyline Aviation	22 tdy
TC-MCT	B747-412F	Jet Story	
20.SP-TTA	Beech 400A	Saudia	20 SVA3024/5
21.CS-LTJ	Ce680A	Saudia	SVA3028/9
ER-BAJ	B747-412(F)	Saudia	SVA3030/1
LX-GCL	B747-467F	Smart Jet	SAH59P
LX-UCV	B747-4R7F	NetJets Europe	NJE805C/3JF
22.G-CKUB	Ce560XLS+	Uni-Top Airlines	22 ATG8890/1
LX-SCV	B747-4R7F	Cargolux	UAE9962
PH-ADT	CRJ900LR	Cargolux	CLX7613
PH-FJK	Ce525B	Air Charter Scotland	EDC93
23.D-AOLH	Fokker 100	Cargolux	CLX7135
LX-VCV	B747-4R7F	SAMCO Aircraft Maint.	arr SX11958
OE-FZC	Ce510	JetNetherlands	
PH-DWA	ERJ145LR	Avanti Air	25 ATV306/AFR9372
T7-MSP	EMB505	Cargolux	CLX7615
24.LX-JCV	B747-4EVERF	GlobeAir	GAC510W/416N
25.9H-QBZ	B737-8AS	Air Charters Europe	tst JNL644
D-AOLH	Fokker 100	Tulip Wings	24
D-AYAH	A321-271N	Cargolux	CLX7656
D-CDCM	Ce560XLS+	Malta Air	f/v RYR3SB/6ZH
HA-LTI	A321-231	Avanti Air	26 AFR9374/ATV307H
HA-LXB	A321-231	Airbus Industrie	arr AIB042B
OK-SLN	ERJ135BJ	Air Hamburg	AHO490D
P4-GVI	G650ER	Wizz Air	div WZZ1641
PH-DWS	ERJ135LR	Wizz Air	div WZZ3071
		ABS Jets	ABP713/5
		ABS Jets	26
		Air Charters Europe	30 JNL510/490

26.G-PKHA	PC-12/47E	Pilatus Beheer	
N510MD	Ce510	Michael Delazun	27
OO-IDE	Ce525	Air Service Liège	
S5-CNN	Ce501	Janez Let	28 2x
SP-ESE	B737-8Q8	Enter Air	ENT54NA/58GM
SP-ESG	B737-8Q8	Enter Air	28 ENT53RK/548
27.9A-JIP	Ce525A	Air Pannonia	
EC-GXJ	SA226TC	Flightline	
SP-IAF	EMB500	Jet Story	
28.02	C-37B	Washington	C202
D-ISCH	Ce525A	Gerhard Schubert	
ES-ACP	CRJ900	Nordica (a/w)	dep EST9002
LX-GCL	B747-467F	Cargolux	UAE9962
LX-MCL	B747-4HAERF	Cargolux	CLX7613
OE-FMU	Ce525	Pink Sparrow	SOW1
PH-CJM	Ce680	ASL	
S5-BSA	Ce550 Bravo	SkyX	29
SP-ESE	B737-8Q8	Enter Air	ENT577/578
29.Q-23,Q-21	AH-64D	301sq	*Redskin13,14
D-AOLG	Fokker 100	Idealtours	ATV308H/029G
D-CHZF	Ce550 Bravo	Tyrol Air Ambulance	TYW211F/2F
HB-JBE	CS100	Swiss	arr SWR5184
LX-TCV	B747-4R7F	Cargolux Italia	CLX7135
VP-BMZ	A220-300	GTLK	arr SXA591
30.ES-ACM	CRJ900	Nordica (SAS c/s)	dep EST9003
LN-WDG	DHC-8-402	Widerøe	arr WIF9018
PH-CJM	Ce680	ASL	arr

The VivaAerobus departing on the 1st is scheduled to become XA-VIT. The Boeing 737 operating for Corendon was previously leased to Enter Air. The Swiss on the 4th arrived in special colours but departed in regular Swiss colours. The TUI Boeing and the Embraer on that same day were KRC Genk charters. On the 5th two aircraft were seen, both destined for JetBlue. On the 6th again two charter related to KRC Genk. The Astana Embraer on the 7th has lost its colours and is now all white. The Avanti Air Fokker on the 12th operated a charter for Andre Rieu. The Aeroflot Airbus on the 15th was repainted into special CSKA Moscow colours. That same day a former Adria Canadairjet departed to Cotswold Airport. The previously mentioned Andre Rieu charter returned on the 17th. The Sky Gates Airlines Boeing on the 18th was a Hahn diversion. Avanti Air operated another Andre Rieu charter on the 19th. On the 22nd another former Adria aircraft arrived via Rotterdam. An Airbus destined for Indigo arrived on the 25th. That same day two Wizz Air aircraft diverted while on their way to Eindhoven. A former Scandinavian Canadairjet departed all white on the 28th on delivery to Nordica.

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

## Groningen - Eelde

Additions		September 2019
22.N133CA	P2012	Cape Air
N244CA	P2012	Cape Air



Airbus A320 VQ-BEJ, since January 2010 active with Aeroflot, was repainted at Maastricht to become the latest flying advertisement for CSKA Moscow. (Maastricht - Aachen, 26 November 2019, Bjorn van der Velpen)

For some reason we did publish a photo of one of the two Tecnam Travellers while on their delivery flight from Italy to the USA but forgot to mention them in the September movements.

			November 2019
02.SP-TBM	TBM-930	PLEK2	07
03.G-KARE	PC-12/47E	Flexify Aircraft Hire	
OY-NPE	SA227DC	North Flying	NFA127/127P
05.84-00165	C-12U-3	1-214th AVN	DUKE39
D-IOLO	BN-2B-20	OFD	2x *
HB-FVD	PC-12/47E	Air-Corviglia	06
PH-BGQ	B737-7K2	KLM	tst KLM9851
PH-DOC	H135	ANWB - MAA	tdy 18
06.D-CGFC	Lj35A	GFD	GFD51
D-HYAM	H145	ADAC	CHX26
G-XJCI	Ce550 Bravo	Xclusive Jet Charter	XJC956
HB-FVD	PC-12/47E	Air-Corviglia	tst
N266CA	P2012	Cape Air	07
N29DE	SF-50	Deny Airlines	arr
OO-AMR	Ce525	Air Service Liège	
PH-TXA	Ce510	JetNetherlands	
07.EI-GPP	ATR72-212A	Stobart Air (a/w)	f/v STK4VV/635
LX-LAA	Lj45	Luxemb. Air Rescue	08 LRQ785E
08.HA-YFH	Beech 400A	Jetstream	JSH2AMB
LX-ONE	Lj45XR	Luxemb. Air Rescue	LRQ399J
OE-FGI	Ce525	Pink Sparrow	SOW2
09.D-IAWG	Ce425	Aerowest	2x
11.D-HYAM	H145	ADAC	CHX26
12.D-FAAA	PC-12/47E	Air Alliance	
PH-CYP	PC-12/47E	SMT Shipping	
14.OY-NPE	SA227DC	North Flying	NFA124P
PH-WIS	Ce525C	KNSF Flight Services	2x
17.D-FWIT	PC-12/47E	Air Alliance	
D-IHKW	Ce525	ProAir Aviation	18
18.D-IHKW	Ce525	ProAir Aviation	
PH-BGU	B737-7K2	KLM	tst KLM9851
19.HB-FVD	PC-12/47E	Air-Corviglia	21
LX-ONE	Lj45XR	Luxemb. Air Rescue	LRQ802B
21.G-SUGR	ERJ135BJ	Air Charter Scotland	EDC955
22.SE-DHO	Lj35A	SAAB Nyge Aero	Skinner45
23.N707SN	SF-50	Vision Jet	arr
PH-CGN	Do228-212	Kustwacht	
25.EC-MSL	CRJ1000	Air Nostrum	26 ANE3187/8
OO-EUR	Ce525	Air Service Liège	
26.SE-DHO	Lj35A	SAAB Nyge Aero	
27.PH-DOC	H135	ANWB - MAA	arr

The new ANWB helicopter arrived on the 5th for some local training. On the 6th another Cape Air P2012 was seen, on a delivery flight. The latest addition for Stobart Air was spotted during its first visit on the 7th. On the 25th Air Nostrum operated a charter. The helicopter on the 27th arrived shortly before it started operating as Lifeliner04, replacing PH-MMT.

Credits: GEAS, FlyGRQ.



The French Air Force currently operates 27 CN-235 aircraft. 128/64-1K on this photo is a -200 series. The aircraft is being operated by ET01.062. (Eindhoven, 19 November 2019, Stephan Lodewijks)

## Deventer-Teuge

November 2019			
01. N323FL	PA-46-310P		
PH-KIO	P2006T	Kavel 10	07
03. PH-ATT	H269C	Heli Holland Holland	
04. PH-BSU	Ce208B	Paracentrum Texel	arr
05. PH-ECE	EC120B	Heli Holland Holding	
06. M-BETS	RC695A	Aldersey Aviation	arr
PH-HCD	Cabri G2	HeliCentre	
08. PH-DTS	DA42	Wings over Holland	
10. N323FL	PA-46-310P		
11. N9018Z	Ce208B	Mission Aviation Fellowship	16
13. LX-JFB	PC-12/47E	Jetfly Aviation	
N525BQ	Ce525	Frog Flugservice	
PH-TWN	P2006T	Zelf Vliegen	
14. PH-PXZ	AW139	Nationale Politie	
16. D-FIPS	PC-6/B2-H4	KIAS Airlines	arr
N9018Z	Ce208B	Mission Aviation Fellowship	26
PH-PXC	EC135P2+	Nationale Politie	
17. PH-PXD	EC135P2+	Nationale Politie	
18. PH-HCC	Cabri G2	HeliCentre	
19. N9018Z	Ce208B	Mission Aviation Fellowship	tst
PH-HCF	Cabri G2	HeliCentre	
PH-RBC	EC120B	HeliAir	
21. N9018Z	Ce208B	Mission Aviation Fellowship	tst
22. PH-ENK	R44	Bear Helicopters	29
23. OO-FSV	DA62	Degroote Trucks & Trailers	
26. N2648X	Ce501	T.S. Aviation	
OO-SPA	Ce208B	Skydive Center Spa	dep
27. PH-PXC	EC135P2+	Nationale Politie	
29. PH-AVV	R44	A. F. C. van Westerop	
30. G-APLO	DHC-1	P.M. Luijken	
N1944S	PT-13D	J. Harcourt	

Last month we listed the MAF Cessna as departing to Africa on the 18th but we were mis-informed. It actually departed to Norway and returned to Teuge on 11 November. It finally departed to Africa on the 26th with a first stop in Budapest.

Credit: Teuge Airport, Teuge Airport Group (Facebook).

## Eindhoven

November 2019			
01. CH04	C-130H	20sq	BAF651
PH-CJM	Ce680	ASL	dep
02. 9H-QAC	B737-800	Malta Air	f/v RYR6505/6
PH-CJM	Ce680	ASL	03
03. OO-PKX	Ce750	Air Service Liège	dep
OO-PKX	Ce750	Air Service Liège	05

PH-HWM	CL-605	JetNetherlands	05
04. 1x	PC-7	131EMVOsq	*Diamond09
1x	AH-64DN	301sq	*Bat75
03	C-17A	HAW	Bartok66
<u>Q-23</u>	AH-64DN	301sq	*Redskin51
T-264	KDC-10	DMO/334sq	dep NAF64
PH-CGN	Do228-212	Kustwacht	*NCG03
05. Q-18	AH-64DN	301sq	*Bat74
Q-23	AH-64DN	301sq	*Redskin51
S-441	AS532U2	300sq	*Wolfhound11
CS-PHG	EMB505	NetJets Europe	NJE816K/809F
D-IAAS	EMB500	Arcus Air	AZE41BU/42BU
PH-CJM	Ce680	ASL	06
N645GT	B767-324ER	Atlas Air	GTI8443
06. FB14	F-16BM	2w	*BAF235
L-03	PC-7	131EMVOsq	*
<u>Q-18</u>	AH-64DN	301sq	*Redskin52
D-IHVQ	Ce525	ProAir Aviation	08
G-KLNV	Ce510	Saxonair	2x SXN51D
OO-MMT	Ce560XLS	Air Service Liège	
OO-PKX	Ce750	Air Service Liège	
PH-CJM	Ce680	ASL	08
PH-FJK	Ce525B	JetNetherlands	dep
PH-HWM	CL-605	JetNetherlands	11
PH-LAU	Falcon 900EX	Exxaero	XRO642
TC-TJO	B737-86N	Corendon Airlines	CND929P/929I
07. OO-PKX	Ce750	Air Service Liège	
PH-PXE	EC135P2+	Nationale Politie	*ZXP05
08. S-441	AS532U2	300sq	*
N194ER	Ce510	Blue Sky Aviation	
OE-FZE	Ce510	GlobeAir	09 GAC731J/591P
PH-FJK	Ce525B	JetNetherlands	11
PH-MYX	Ce650	ASL	10
TC-TJO	B737-86N	Corendon Airlines	CND9292/929P
09. 9H-QBP	B737-8AS	Malta Air	f/v RYR3475/6
OO-MMT	Ce560XLS	Air Service Liège	
10. LX-NMX	Ce525B	Jetfly Aviation	JFA67D/68D
OO-PKX	Ce750	Air Service Liège	13
PH-LAU	Falcon 900EX	Exxaero	XRO642
11. <u>LX-N90445</u>	E-3A	NAEW&CF	*Nato01
<u>S-441</u>	AS532U2	300sq	*Demon4
CS-DVJ	Ce525B	EverJets	12 EVJ328/6
D-CYKP	Ce550 Bravo	Tyrol Air Ambulance	TYW524P
N194ER	Ce510	Blue Sky Aviation	
PH-CJM	Ce680	ASL	18
PH-FJK	Ce525B	JetNetherlands	13
12. J-009	F-16AM	322sq	*Polly01
<u>J-646</u>	F-16AM	312/313sq	*NAF311
S-440	AS532U2	300sq	*
PH-CGN	Do228-212	Kustwacht	*

PH-HWM	CL-605	JetNetherlands	20	26.FB14	F-16BM	2w	*BAF261
13.023	C295M	13.el	14 PLF032	D-CYES	Lj35A	Air Alliance	AYY107
PH-PXZ	AW139	Nationale Politie	*ZXP26, GLV-V	OO-XLS	Ce560XLS+	Air Service Liège	27
OO-PKX	Ce750	Air Service Liège	15	PH-CGC	Do228-212	Kustwacht	*NCG03
14.1x	AS532U2	300sq	* <u>Demon4</u>	PH-HWM	CL-605	JetNetherlands	05
<u>LX-N90445</u>	E-3A	NAEW&CF	*	UR-CSI	An-12A	Cavok Air	arr CVK7081
<u>PH-PXZ</u>	AW139	Nationale Politie	*ZXP26, GLV-V	27.9H-VCG	CL-350	VistaJet Malta	VJT480
D-CSOS	Lj45	Jetcall	JCL1	CS-TKU	A321-211	Galistair	WHT8922/9921
LX-EMO	Falcon 900EX	Flying Grp Luxembourg	FYL81G/82G	OK-PCC	PC-12/47E	T-air	
OY-NPE	SA227DC	North Flying	NFA124	PH-CJM	Ce680	ASL	28
15. <u>J-512</u>	F-16AM	312/313sq	* <u>Tiger02</u>	28. <u>L-05</u>	PC-7	131EMVOsq	* <u>Razor02</u>
<u>L-04</u>	PC-7	131EMVOsq	* <u>Diamond04</u>	<u>L-12</u>	PC-7	131EMVOsq	* <u>Diamond06</u>
L-06	PC-7	131EMVOsq	* <u>Diamond11</u>	9A-DWA	Ce525A	Winair	
PH-FJK	Ce525B	JetNetherlands	21	RA-76842	Il-76TD	Aviacon Zitotrans	29 AZS7002/3
PH-PXC	EC135P2+	Nationale Politie	*ZXP03	29.79+32	NH90-TTH	THR30	*GAM07
16.9A-JSC	Ce525A	Jung Sky	JSY167C/8C	Q-21	AH-64DN	301sq	*Redskin13-form
N900FZ	TBM-900	Cavok		Q-23	AH-64DN	301sq	*Redskin13-form
17.F-HRFL	Falcon 200LXS	Dassault Aviation		S-419	AS532U2	300sq	* <u>Demon2</u>
M-FLIG	Global 5000	Faraotis Holdings	18	9H-VCO	CL-350	VistaJet Malta	01 VJT449
OO-PKX	Ce750	Air Service Liège	19	CS-TKU	A321-211	Galistair	04 WHT9922/8191
SP-RKA	B737-8AS	Ryanair Sun	f/v RYR5892/1	G-OOBA	B757-28A	TUI Airways	TOM8426/843F
18.L-06	PC-7	131EMVOsq	* <u>Diamond14</u>	M-ABJA	Lj45XR	Ryanair	
D-ASSK	A319-111	Sundair	f/v SDR8015/813F	OO-PKX	Ce750	Air Service Liège	30
D-CFIV	Lj35A	Air Alliance	AYY118	OO-XLS	Ce560XLS+	Air Service Liège	02
19.128/64-IK	CN235M-200	ET01.062	2x CTM2007	30.9H-QCL	B737-8AS	Malta Air	f/v RYR4535/6
HB-JSG	CL-605	Robert Bosch		OE-GBE	IAI1125SPX	Tyrol Air Ambulance	01 TYW315/4
PH-CJM	Ce680	ASL	26				
PH-TXA	Ce510	JetNetherlands	20 2x				
20. <u>84007/847</u>	Tp84	71sq	<u>SVF817</u>				
D-CBEN	Ce560XLS+	Adolf Würth	21				
OO-EUR	Ce525	Air Service Liège	2x				
PH-HWM	CL-605	JetNetherlands	21				
PH-TXA	Ce510	JetNetherlands					
21.146/XR	TBM-700A	ET00.041	CTM0032				
G-275	C-130H-30	336sq	dep NAF30				
G-781	C-130H	336sq (spec mks)	dep NAF35				
G-988	C-130H	336sq	dep NAF39				
F-HBZA	Ce550	Valljet	VLJ59AZ/50AG				
OE-GDF	EMB505	Speedwings	22 SPG934				
PH-HWM	CL-605	JetNetherlands	22				
22.02	C-17A	HAW	Bartok35				
<u>L-02</u>	PC-7	131EMVOsq	* <u>Diamond04</u>				
OE-FZC	Ce510	GlobeAir	GAC621U/510V				
PH-FJK	Ce525B	JetNetherlands	23				
SP-RKG	B737-800	Ryanair Sun	f/v RYR5892/1				
23.9H-QBT	B737-8AS	Malta Air	f/v RYR3475/6				
9H-QCY	B737-8AS	Malta Air	f/v RYR4535/6				
PH-FJK	Ce525B	JetNetherlands	29				
24.CS-CHH	CL-350	NetJets Europe	25 NJE047W/210D				
OO-PKX	Ce750	Air Service Liège					
PH-HWM	CL-605	JetNetherlands					
25.1x	TBM-700	AdIA	CTM0031				
FB22	F-16BM	2w	*				
HA-LTI	A321-231	Wizz Air	WZZ3668/1642	01.J-882	F-16BM	312sq	November 2019
HA-LXB	A321-231	Wizz Air	WZZ871/495	PH-PXC	EC135P2+	Nationale Politie	*Bonzo01
RA-76842	Il-76TD	Aviacon Zitotrans	26 AZS4004/7001	05.L-03	PC-7	131EMVOsq	*ZXP03

Eindhoven said goodbye to 334sq resident T-264 on 4 November 2019 as the KDC-10 was heading for San Antonio (TX), receiving heavy maintenance prior to its new service with Omega Air Tankers. The French CASA 235 flew a mission Orleans-Eindhoven-Evreux-Eindhoven-Orleans on 19 November and three of the four C-130Hs of 336sq departed for Yuma (AZ) on 21 November, arriving there on the 24th as part of Desert Bull training. Late November the first visit of F-35A F-009 was expected however Eindhoven had to wait until the first week of December. On the 5th Atlas Air operated a military charter. Corendon Airlines operated a charter for PSV. The team returned two days later. Sundair operated a charter on the 18th. The two Wizz Air on the 25th diverted to Maastricht but later continued to Eindhoven. Galistair operated a charter for PSV on the 27th. The team returned two days later. The aircraft is being operated by White. TUI Airways operated a charter on the 29th.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

## Gilze-Rijen

01.J-882	F-16BM	312sq	November 2019
PH-PXC	EC135P2+	Nationale Politie	*Bonzo01
05.L-03	PC-7	131EMVOsq	*ZXP03
			*Diamond15



Since March 2019 this Global 5000 has carried registration M-FLIG. Its owner is listed as Faraotis Holdings but the bizjet is being operated by Avon Jet. (Eindhoven, 17 November 2019, Toon Cox)



Following a cancelled merger between Red Wings and Nordavia the latter rebranded itself and was renamed Smartavia. The company added this former Jet Airways to its fleet in July 2019 as VP-BDD. (Woensdrecht, 15 November 2019, Johan Havelaar)

L-04	PC-7	131EMVOsq	*Diamon08	19.N116MA	Lj36A	Skyline Aviation	29 Dawg01
06.N-277	NH90-NFH	860sq	Trident04	21.SE-DHO	Lj35A	Saab Nyge Aero	29 TGT01
08.G-988	C-130H	336sq	*NAF78	22.6047	L-159T1	213.VLT	02 CEF352
PH-ULP	EC135T2	ANWB - MAA	*Lifliner2	6067	L-159T1	213.VLT	02 CEF351
12.OE-FDK	SC-7	Pink Air	13 Sherpa1	6077	L-159T1	213.VLT	02 CEF351
13.G-781	C-130H	336sq (spec mks)	2x NAF76	0454	C295M	242.TSL	CEF6020
N-319	NH90-NFH	860sq	Neptune03	26.CE02	ERJ135LR	21sq	
PH-MAA	EC135T2+	ANWB - MAA	Lifliner3	27.CE02	ERJ135LR	21sq	BAF615
PH-PXZ	AW139	Nationale Politie	ZXP26				
14. <u>ZJ190</u>	Apache AH1	663sq/3Regt	15 Villain-form				
<u>ZJ194</u>	Apache AH1	663sq/3Regt	15 Villain-form				
ZJ230	Apache AH1	663sq/3Regt	15 Villain-form				
<u>ZZ393</u>	Wildcat AH1	1Regt	15 Villain-form				
<u>ZZ524</u>	Wildcat AH1	1Regt	15 Villain-form				
PH-PXZ	AW139	Nationale Politie	*ZXP26				
15. <u>L-04</u>	PC-7	131EMVOsq	*Diamond04				
<u>L-06</u>	PC-7	131EMVOsq	*Diamond11				
<u>L-08</u>	PC-7	131EMVOsq	*Diamond09				
22. <u>L-05</u>	PC-7	131EMVOsq	*Diamond05				
24.79+32	NH90-TTH	THR30	25 GAM27				
26.PH-PXY	AW139	Nationale Politie	ZXP25				
28.79+32	NH90-TTH	THR30	29 Sonic3/GAM07				

On 14 November 2019 Leeuwarden had the privilege to mark the first visits of the Royal Navy F-35B, making their visit after a training round at the Cornfield range. As part of Orange Warden the Czech delegation visited Leeuwarden with three L-159s and a supporting CASA 295.

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

## Lelystad

			November 2019
01.PH-DOC	H135	ANWB - MAA	tst
PH-OOP	H145	RAV Fryslân – MAA	
02.D-GLBA	DA42	European Flight Training Center	
G-KIMI	PA-46-500TP	M. Konstantinovic & S. N. Mitchell	03
PH-ENK	R44	Bear Helicopters	tst
PH-HGB	R44	HeliiAir	tst
PH-HVB	EC135T2+	ANWB - MAA	Lifliner01
05.PH-ANO	Ce560XLS	JetNetherlands	
PH-DOC	H135	ANWB - MAA	dep
08.PH-OOP	H145	RAV Fryslân – MAA	
PH-PXD	EC135P2+	Nationale Politie	ZXP04
09.PH-DKI	P68C	Zeeland Air	
PH-KFA	DA42	KLM Flight Academy	
14.LN-LTI	Beech B200	Luftransport	arr
PH-KIO	P2006T	Kavel 10	
15.Q-18	AH-64D	301sq	
Q-23	AH-64D	301sq	
G-KION	Ce525	Air Charter Scotland	
PH-PXZ	AW139	Nationale Politie	ZXP26
18.PH-DOC	H135	ANWB - MAA	27
20.PH-WPB	PC-12/47E	Bonita Aviation	
SE-LTR	Fokker 50	Amapola Flyg (a/w)	arr APF800P
22.PH-DOC	H135	ANWB - MAA	tst
PH-WPB	PC-12/47E	Bonita Aviation	
27.PH-HVB	EC135T2+	ANWB - MAA	arr Lifliner01
PH-TTR	H135	ANWB – MAA	dep Lifliner01
PH-ULP	EC135T2	ANWB - MAA	dep
30.PH-TXA	Ce510	JetNetherlands	

The Beech in yellow Ambulance colours for work by SATYS arrived on the 14th. This Beech will change ownership in the future and will take up registration PH-SLE. On the 20th a Fokker 50 arrived also for work by SATYS, which meant work on the Beech had to wait until the Fokker was finished. The ANWB helicopter on the 22nd was first noted that day with

The AAC formation of Apaches and Wildcats could be deciphered thanks to the help of EWAS. The German Army NH90 flew various training missions with 298sq CH-47D and 300sq AS532U2.

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

## De Kooy

			November 2019
12.N-319	NH90-NFH	860sq	arr Neptune13
22.1x	AS532U2	300sq	
RN03	NH90-NFH	40sq	
PH-HHJ	AS355F2	Heli Holland Holding	
PH-PXC	EC135P2+	Nationale Politie	*ZXP03
2-PLAY	TBM-700C1		
27.L-04	PC-7	131EMVOsq	Diamond0

The NH90 on 12 November was arriving from Woensdrecht after receiving maintenance at that location.

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

## Leeuwarden

			November 2019
04.FB22	F-16BM	2w	BAF251/223
06.PH-PXZ	AW139	Nationale Politie	ZXP26
14.ZM144/010	F-35B	617sq	*Doom21
ZM146/012	F-35B	617sq	*Doom22
18.D-106	CH-47D	298sq	Grizzly80



This former Air Europa Boeing 737 was ferried to Woensdrecht early September 2019. Early November 2019 it performed some testflights already in these basic Jet2 Holiday colours. As such it departed to the UK on delivery registered as G-DRTM. (Woensdrecht, 20 November 2019, Johan Havelaar)

the well known ANWB striping.

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

### Volkel

November 2019			
04.J-136	F-16AM	312/313sq	arr NAF313
12.J-009	F-16AM	322sq	Polly01
13.J-005	F-16AM	312/313sq	arr Cowboy01
Q-18	AH-64DN	301sq	*Redskin33
14.FB24	F-16BM	10w/OCU (spec mks)	*BAF501
15.J-001	F-16AM	312sq	dep Bonzo01
19.PH-LAB	Ce550	NLR - TU Delft	20
20.J-201	F-16AM	322sq	21 Saw03/MiG03
J-881	F-16AM	322sq	21 Saw04/MiG04
N116MA	Lj36A	Skyline Aviation	21 Dawg31
21.10-0219	C-17A	62nd AW	RCH332
22.J-020	F-16AM	312sq	dep Metal21
25.84-0126	C-21A	76th AW	Falcon41
26.J-055	F-16AM	313sq	arr NAF312
28.S-419	AS532U2	300sq	*Demon02

The 76th AW C-21A Learjet stands out during the November visitors at Volkel. Various local F-16s transferred between Volkel, Woensdrecht and SABCA/Charleroi for maintenance.

Credits: SGVolkel Message Board, Scramble MB.

### Woensdrecht

November 2019			
01.J-882	F-16BM	312sq	Bonzo
PH-HXN	B737-800	Transavia	dep TRA052
PH-PXC	EC135P2+	Nationale Politie	ZXP03
04.Q-14	AH-64DN	301sq	arr Redskin06
PH-HSA	B737-8K2	Transavia	06 TRA051/052
06.EC-KCG	B737-85P	Jet2 (basic c/s)	tst
PH-HSI	B737-8K2	Transavia	11 TRA059/052
07.Q-18	AH-64D	301sq	*Redskin31
08.EC-KCG	B737-85P	Jet2 (basic c/s)	tst
11.N-319	NH90-NFH	860sq	tst Neptune13
EI-REM	ATR72-212A	Stobart Air	18 STK71P
F-HBAL	A319-111	DVB Bank (AAF c/s)	arr
LY-CHF	B737-31S	KlasJet	dep KLJ1200
PH-HSG	B737-8K2	Transavia	13 TRA051/052
12.N-319	NH90-NFH	860sq	tst + dep Neptune13
13.J-005	F-16AM	312/313sq	dep Cowboy01
PH-HXB	B737-8K2	Transavia	22 TRA051/052
14.S-440	AS532U2	300sq	*Demon4
15.J-001	F-16AM	312sq	arr Bonzo01
VP-BBD	B737-8AL	SmartAvia	13 AUL9205/6
18.N676AC	A320-214	ACG/Austrian Airlines	arr
19.D-667	CH-47D	298sq	tst Grizzly92

20.D-667	CH-47D	298sq	tst Grizzly92
G-DRTM	B737-85P	Jet2	dep
22.Q-18	AH-64DN	301sq	*Redskin43
PH-HXC	B737-8K2	Transavia	TRA051/052
9H-LOL	A319-112	Hi-Fly Malta	arr HFM001P
25.D-667	CH-47D	298sq	tst Grizzly92
26.D-667	CH-47D	298sq	tst Grizzly92
27.D-667	CH-47D	298sq	tst Grizzly92
28.D-664	CH-47D	298sq	arr Grizzly91
PH-LAB	Ce550	NLR/TU Delft	
29.D-667	CH-47D	298sq	tst + dep Grizzly92

On the military side Woensdrecht did not encounter any visitors from outside The Netherlands during November 2019. Most mil traffic was related to LCW. On the civil side a little more variety; various Transavia B737-800s visited prior their winterleases for a quick check-up. A former Air Europe B737 transferred to Jet2 in basic Jet2 Holidays colours. A former Stobart Air ATR72 visited following a couple months of storage in Mönchengladbach and departed all white. On 15 November a former Jet Airways B737-800 arrived in the colours of its new owner; Russian airline SmartAvia. This is the successor of Aeroflot-Don and is working on fleet renewal, replacing their aged B737-500s by B737-800s. On 18 November a former Avianca A320 arrived, destined to join Austrian Airlines. A former Hi-Fly Malta A319 arrived on 22 November and will continue its career at Turkish Airlines.

Credits: Johan Havelaar, Scramble MB.

### Texel

November 2019			
05.PH-PXZ	AW139	Nationale Politie	ZXP26/NCG04
08.G-988	C-130H	336sq	*NAF78
10.N8233	DH.82A	Oskam	
14.D-102	CH-47D	298sq	*Grizzly83
D-HANS	R44	Heli & Co	
OO-NHX	AS365N3	N.H.V.	*CG08
15.PH-HCE	R66	HeliCentre	
16.PH-CGN	Do228-212	Kustwacht	NCG01
18.PH-PXC	EC135P2+	Nationale Politie	ZXP03
19.PH-SHP	AW139	CHC Helic. Netherl.	HNL10A
23.OO-NHV	AS365N3	Netherlands Coastguard	CG06
PH-DKI	P68C	Zeeland Air	24
PH-KTM	R44	HeliAir	
24.N748D	Beech 76	Ö. Satir	

Credit: Texel Airport.

### Twente

November 2019			
06.CS-DXV	Ce560XLS	NetJets Europe	NJE173K/561W

08. CS-PHF	EMB505	NetJets Europe	NJE455R/780W	N9006	13	N9021H	02
11. CS-PHA	EMB505	NetJets Europe	NJE064T/700T	N5007E	06, 25	N9025B	01, 11
CS-TOK	A330-223	TAP Air Portugal	arr TAP9731	N8027D	04, 08	N9029F	15
12. CS-PHI	EMB505	NetJets Europe	17 NJE043N/591U	N8030F	18	N12028	22
14. CS-LTL	Ce680A	NetJets Europe	NJE657F/204T	N9008U	16	N70020	20, 23
24. D-IEFD	Ce525 (M2)	E-Aviation	EFD2F	N9013A	09		
27. LN-RPK	B737-783	Scandinavian	arr SAS9121				
28. CS-DXT	Ce560XLS	NetJets Europe	30 NJE318K/472T				

The two arrivals on the 11t and 27th are both for disposal by AELS.

Credit: EHTW spotters.

### Flamingo (Bonaire, Dutch Caribbean)

November 2019			
01. HI1007	Beech 1900D	Sky High Aviation	
HK-5139	B737-476(F)	AerCaribe	
N389KA	Lj35A	Fundashon Mariadal	30
02. HK-5255	Lj45	SARPA	03
PZ-TFB	Fokker 70	Fly Allways	
05. HI985	Ce680	Helidosa	
08. HI1007	Beech 1900D	Sky High Aviation	
HK-5139	B737-476(F)	AerCaribe	
N356DC	Ce525B	Zephyr Air	11
09. HK-5255	Lj45	SARPA	10
10. N546MM	G150	Excel Group Services	13
14. N876RA	Ce560XL	Parminter Investments	15
15. F-ZBGN	Beech 350ER	Douanes Françaises	
HI1007	Beech 1900D	Sky High Aviation	
16. HK-5013	EMB120RT	SARPA	17
19. PZ-TFA	Fokker 70	Fly Allways	
20. HK-4411	BAe3201	SARPA	
N686NG	PC-12/47E	Pilatus Business Aircraft	21
PH-FBH	AW139	DCCG	
21. N2333K	CeU206G		24
PZ-TFA	Fokker 70	Fly Allways	
22. HI1007	Beech 1900D	Sky High Aviation	
N356DC	Ce525B	Zephyr Air	25
N777SJ	Falcon 7X	Jon L. Stryker	30
23. HK-5013	EMB120RT	SARPA	24
26. N604PV	CL-604	Meridian Air Charter	30
27. PZ-TFA	Fokker 70	Fly Allways	
29. HI1007	Beech 1900D	Skt High Aviation	
30. HK-5013	EMB120RT	SARPA	

#### Air Antilles Express:

F-GPYF	07 <sup>2</sup> , 09 <sup>2</sup> , 11 <sup>2</sup>
F-OIXD	06 <sup>2</sup> , 08 <sup>2</sup> , 10 <sup>2</sup> , 13 <sup>2</sup> , 15 <sup>2</sup> , 17 <sup>2</sup> , 20 <sup>2</sup> , 21 <sup>2</sup> , 23 <sup>2</sup> , 29 <sup>2</sup>
F-OIXE	02 <sup>2</sup> , 04, 12 <sup>2</sup> , 14 <sup>2</sup> , 28 <sup>2</sup>
F-OIXH	01, 02, 04 <sup>2</sup> , 05 <sup>2</sup> , 16 <sup>2</sup> , 18 <sup>2</sup> , 19 <sup>2</sup> , 22 <sup>2</sup> , 24 <sup>2</sup> , 25 <sup>2</sup> , 27 <sup>2</sup>
F-OIXO	26 <sup>2</sup>

#### American:



Initially delivered to Austian in February 2000 as OE-LAP this Airbus A330 was added to the TAP Portugal fleet in September 2007. CS-TOK took to the skies for the last time on 11 November 2019 when it was ferried to Twente where Rene Liebe captured it on camera.

N9006	13	N9021H	02
N5007E	06, 25	N9025B	01, 11
N8027D	04, 08	N9029F	15
N8030F	18	N12028	22
N9008U	16	N70020	20, 23
N9013A	09		

#### Aruba Airlines:

C-FEYG	02, 09, 19, 21, 23, 24, 26, 30
P4-CRA	03, 05, 07, 10, 12, 14, 16, 17, 28

#### Delta:

N551NW	09	N6706Q	02
N672DL	16	N6709	23
N674DL	30		

#### TUI Airlines:

PH-TFK	02, 08, 09, 19, 21, 26	PH-TFM	07, 12, 15, 16, 23, 29
PH-TFL	01, 05, 14, 22		

#### United:

N737US	29	N37290	09
N4005X	30	N37471	16 <sup>2</sup>
N8009T	27	N62883	09 <sup>2</sup>
N12221	30	N66897	23 <sup>2</sup>
N14235	16	N68836	02 <sup>3</sup>
N27421	30	N69835	03
N33289	23	N76503	02

Left out were KLM, Divi Divi Air (BN-2 and DHC-6) and EZ Air (BN-2 and Beech 1900) unless operating on a non-scheduled flight.

The month started nicely with a flower transporter from Colombia. The 15th brought a nice visitor of the French Customs from Cartagena to Fort de France. Surinamese Fokkers of Fly Allways passed by from Cali to Paramaribo on the 2nd, from Barranquilla on the 19th and from Las Americas, Santo Domingo enroute to Paramaribo on the 21st and from Tabarre, Haiti on the 27th, probably all ad-hoc fuelstops as Bonaire is not a destination on their website.

Credit: Danny de Kiewit.

# Movements Belgium



CGG Aviation is an Australian subsidiary of Austrian company CGG Data Services. Cessna 208B VH-FHY was transferred from a Canadian subsidiary in January 2018. (Antwerp, 8 November 2019, Walter Van Brempt)

## Antwerp

November 2019				OE-FWF	Ce510	GlobeAir	12
01.LX-NEW	PC-12/47E	Jetfly Aviation	02	OO-IDE	Ce525	Air Service Liège	14
OO-STR	AS350B3	Stephex Stables		PH-CJM	Ce680	ASL	
02.OO-GEE	PC-12/47E	Blue Sky Aviation	06	PH-DWS	ERJ135LR	Air Charters Europe	21
PH-TXA	Ce510	ASL	05	PH-TXA	Ce510	ASL	
03.F-HIPE	EMB505	Pan Europeene Air Service		12.D-CYKP	Ce550 Bravo	Tyrol Air Ambulance	
M-ARTY	PC-12/47E	Creston (UK)		D-GGWB	DA42	Rhein Main Aviation	arr tdy
OO-ACO	Ce510	Air Service Liège	05	13.CS-LTD	Ce680A	NetJets Europe	
PH-MFX	Ce650	JetNetherlands		D-CCGM	EMB505	Rhein-Mosel-Flug	
04.2-RBTS	Ce525B	Ortac	06	D-IEAH	Beech C90A	Fuchs & Partner	
D-ILUI	Ce525A	Proair Aviation	f/v	M-ARTY	PC-12/47E	Creston (UK)	
OO-MSH	Fokker S.11-1	P. Verkuijlen	f/v	OK-PCC	PC-12/47E	T-Air	
VP-CSB	Global 5000	Marco Polo Aviation		PH-TXA	Ce510	ASL	19
05.D-HBWH	Bo105S	Air Lloyd		14.M-ARTY	PC-12/47E	Creston (UK)	
EC-GPS	SA227AC	Flightline	06	OK-AST	Ce560XL	Air Bohemia	
OE-GCG	Ce560XL	Goldeck Flug	f/v	OO-PCM	PC-12/47E	EAPC	
OO-AAR	R44	AA Rent	08	OO-WEG	CL-350	Luxaviation Belgium	15
PH-TXA	Ce510	ASL		SE-LSK	Ce208B	Nordflyg Logistik	f/v 15
06.9H-ALL	Ce525A	Luxwing	07	15.CS-LTC	Ce680A	NetJets Europe	
D-FAST	Ce208	Business Wings	07	D-CBEN	Ce560XLS+	Adolf Würth	
EC-GPS	SA227AC	Flightline	08	D-CSUN	Ce560XLS+	Air Hamburg	
G-LUBB	Ce525	Surrey Heli Charters	07	OK-AST	Ce560XL	Air Bohemia	16
07.CS-LTC	Ce680A	NetJets Europe	f/v 08	16.OO-WEG	CL-350	Luxaviation Belgium	
D-ICCC	CeF406	Air Taxi Europe	08	17.CS-CHC	CL-350	NetJets Europe	
OE-FZC	Ce510	GlobeAir		CS-LAU	Ce680A	NetJets Europe	18
OO-NEY	EMB545	Air Service Liège	08	OO-PCK	PC-12/47E	EAPC	
OO-PCK	PC-12/47E	EAPC		OO-STR	AS350B3	Stephex Stables	
PH-TXA	Ce510	ASL	09	PH-HGB	R44	HeliAir	f/v
08.D-BOOK	Falcon 2000LXS	Bertelsmann	f/v	SP-KPG	Saab 340A	SprintAir	21
D-CSCA	Ce525B	Silver Cloud Air	10	18.D-IATE	CeF406	Air Taxi Europe	19
D-HBWH	Bo105S	Air Lloyd		F-GPKL	PA-46-350P	Le Moulin	f/v
D-IFFF	CeF406	Air Taxi Europe		F-HSBL	EMB500	Pan Europeene Air Service	
EC-GPS	SA227AC	Flightline	11	G-TWOP	Ce525A	Centreline Air Charter	
LX-JFR	PC-12/47E	Jetfly Aviation		M-ARTY	PC-12/47E	Creston (UK)	
N721FH	Falcon 900EX	Freeman Jet	f/v 09	OK-PCC	PC-12/47E	T-Air	
OO-STR	AS350B3	Stephex Stables		VQ-BFD	Falcon 8X	Squadron Aviation Services	
PH-CJM	Ce680	ASL		19.CS-PHK	EMB505	NetJets Europe	20
VH-FHY	Ce208B	CGG Aviation	f/v 09	D-CMDH	Ce680	E-Aviation	
09.CS-DOI	Ce525	Taespejo Portugal	10	EC-GXJ	SA226TC	Flightline	20
CS-LTI	Ce680A	NetJets Europe		N127QR	Beech 300LW	A. Ruijgrok	tst
D-CHRT	EMB505	A. Schodl	f/v 10	OE-GDF	EMB505	Speedwings	
N600J	G550	Johnson & Johnson	10	OK-PCC	PC-12/47E	T-Air	
PH-TXA	Ce510	ASL	10	OO-JOE	R44	J & G	
10.9H-ALL	Ce525A	Luxwing	11	YU-BST	Ce525	Eagle Express	
CS-LTA	Ce680A	NetJets Europe		20.CS-PHA	EMB505	NetJets Europe	
OE-FAT	Ce510	GlobeAir		G-04	Ce182Q	Federale Politie	
OO-PCK	PC-12/47E	EAPC		HB-IGV	Falcon 50EX	VF International	
OO-STR	AS350B3	Stephex Stables		OK-PCC	PC-12/47E	T-Air	21
PH-MYX	Ce650	JetNetherlands	14	OO-GEE	PC-12/47E	Blue Sky Aviation	
11.LX-EBE	Ce560XLS+	Flying Group Luxembourg	30	OO-IDE	Ce525	Air Service Liège	24
OE-FOG	Ce510	GlobeAir	f/v	OO-JOE	R44	J & G	
				21.D-BFIL	EMB545	Atlas Air Service	
				D-CULT	Do228-212	Business Wings	

D-IATE	CeF406	Air Taxi Europe		D-INCS	Ce525	Jetkontor
F-GLNE	Beech 1900D	Twin Jet		ES-SAK	A320-214	SmartLynx Est. 02 MYX9111/JAF1111
F-HJPH	Ce510	Air Vendee	f/v	G-OLIV	Beech B200	Dragonfly Aviation Services
OE-EPC	PC-12/45	Christian Dries	f/v	OE-FGB	Ce525A	Jet Pool Network dep
OE-FZA	Ce510	GlobeAir		YL-LCL	A320-214	SmartLynx 02 TOM546F/JAF1751
OK-PCC	PC-12/47E	T-Air	22	02.D-CRON	Ce560XLS	Silver Cloud Air dep
SE-RNR	CL-350	European Flight Service		EI-FHS	B737-8JP	Norwegian Air Int'l IBK8923/2899
22.CS-CHC	CL-350	NetJets Europe	24	EI-GBB	B737-86N	Norw. Air Int'l div 03 IBK2899/8920
D-BFIL	EMB545	Atlas Air Service		ES-SAK	A320-214	SmartLynx Estonia JAF1112/1551
N127QR	Beech 300LW	A. Ruijgrok		ES-SAK	A320-214	SmartLynx Est. 03 JAF11552/1701
OE-FZA	Ce510	GlobeAir		ES-SAO	A320-214	SmartLynx Estonia JAF706F/1013
PH-DWS	ERJ135LR	Air Charters Europe	23	ES-SAO	A320-214	SmartLynx Estonia 03 JAF1014/3015
23.F-GLNE	Beech 1900D	Twin Jet		F-HTLS	EMB500	PH Occitanie
OO-STR	AS350B3	Stephex Stables		TC-NBY	A320-251N	Pegasus Airlines PGT5637/8
SE-RFH	Ce680	European Flight Service		TC-SAB	CL-605	TAHE Havacilik
24.OE-FRM	Ce510	GlobeAir		YL-LCL	A320-214	SmartLynx JAF1752/2701
OK-PCC	PC-12/47E	T-Air	25 2x	03.D-CHRD	Ce680	Hahn Air HHN30D
OO-IDE	Ce525	Air Service Liège	26	D-IGST	Raytheon 390	Peak Air 04
PH-TXA	Ce510	ASL		ES-SAK	A320-214	SmartLynx Estonia JAF1702/1753
25.9H-ASB	Global 5000	TAG Aviation Malta	f/v 26	ES-SAO	A320-214	SmartLynx Estonia 04 JAF3016/707F
D-BEKY	Falcon 2000LX	BASF		SP-RSA	B737-8AS	Ryanair Sun f/v RYR6862/3
D-CECH	Ce560XLS+	Atlas Air Service	f/v 2x	T7-SLA	CL-850	VJet 05
26.OO-IDE	Ce525	Air Service Liège	27	YL-LCL	A320-214	SmartLynx JAF2702/702F
OO-NEY	EMB545	Air Service Liège		04.ES-SAK	A320-214	SmartLynx Estonia JAF1754/703F
OO-PCN	PC-12/47E	EAPC		LX-JNC	Global XRS	Luxaviation 06 LXA21V
27.CS-LTL	Ce680A	NetJets Europe	f/v	OM-LEX	B737-8BK	TUI Belgium 05 JAF026F/040F
D-IJOA	Ce525A	Excellent Air	28	05.0222	M-28B/PT	8.BLTr (12.el) PLF112
F-HRFL	Falcon 2000LXS	Dassault Aviation	f/v	CS-DXV	Ce560XLS	NetJets Europe 06 NJE925U/173K
G-OLIV	Beech B200	Dragonfly Aviation Services	f/v	CS-LTC	Ce680A	NetJets Europe NJE236C/582E
OE-ECP	TBM-850	Canberra Packard		D-BOBI	Falcon 2000LX	BASF
OO-STR	AS350B3	Stephex Stables		D-IAAT	EMB500	Arcus Air 07 AZE52WA/9UZ
OY-EVO	Ce550 Bravo	EVO Aviation	28	EVO-NBN	A330-243	Wamos Air JAF451F/451
SP-MRX	PA-46-350P	MRX Global	f/v	F-HFCN	ERJ145MP	VallJet (EZE c/s)
28.D-CSEB	Ce560XLS+	Adolf Würth	29	I-GURU	Lj40	Avionord VND4244/5
F-HGPG	Ce525	Valljet	arr VLJ222P	LX-WJD	HA-420	Wijet arr
M-JNJL	Global Express	Air Fleet Management	29	OK-EAS	Beech 400XTi	Time Air dep
OO-ACO	Ce510	Air Service Liège		06.10+23	A310-304	FBS BMVg
OO-NEY	EMB545	Air Service Liège		9H-DFS	Falcon 50	Harmony Jets
OY-EVO	Ce550 Bravo	EVO Aviation	29	CS-DLK	Falcon 2000EX	NetJets Europe 07 NJE565T/345U
29.D-CQAJ	Lj35A	Quick Air Service		CS-DLN	Falcon 2000EX	NetJets Europe arr
D-IAWG	Ce425	Aerowest		CS-DUA	BAe125-750	NetJets Europe arr
LX-LOE	Raytheon 4000	Flying Group Luxembourg	dep	CS-LTI	Ce680A	NetJets Europe NJE398U/956W
M-ARTY	PC-12/47E	Creston (UK)		CS-PHI	EMB505	NetJets Europe NJE81Q/44T
N127QR	Beech 300LW	A. Ruijgrok	arr	D-CQAJ	Lj35A	Quick Air Service
OO-CCJ	Ce525	Air Service Liège	f/v del	F-HOLY	AW109SP	Skycam hélicoptères
OO-GEE	PC-12/47E	Blue Sky Aviation	01	G-LEGC	ERJ135BJ	Luxaviation UK
30.LX-JFW	PC-12/47E	Jetfly Aviation	01	LX-EAA	Lj45	Luxembourg Air AmbulanceLRQ779J
OO-DTE	EC120B	Heliventure FTO		LX-WJD	HA-420	Wijet
OO-IDE	Ce525	Air Service Liège		M-UNIS	Global XRS	Lapwing dep
OO-SVG	SV-4B	J. de Block		OE-GDF	EMB505	Speedwings 07 SPG112
				SE-RMT	Global 6000	SAAB 07
				SP-KCK	Ce525A	Jet Story
				07.1257	Yak-40K	241.dlt arr
				10+23	A310-304	FBS BMVg
				258	Lj45	102sq arr
				T.18-3/45-42	Falcon 900B	451 Esc
				T-785	Falcon 900EX	LTDB arr
				CS-DUA	BAe125-750	NetJets Europe dep

The Cessna 525 on the 29th is a new addition for the Air Service Liège fleet.

Credits: ASA Belgium vzw, Luchtzak.be forum.

## Brussels

			November 2019
01.CS-LAU	Ce680A	NetJets Europe	NJE826L/387W



In 2019 the European Aircraft Private Club became the first operator of the Pilatus PC-24 in Belgium. OO-MAP was delivered to the cooperative company in July of that year. (Antwerp, 14 November 2019, Walter Van Brempt)



This former TUI Boeing 737 was withdrawn from use mid October 2019 and repainted in the new Miami Air colours. It was ferried to the USA with its new registration N735MA on 23 November 2019. (Brussels, 4 November 2019, Paul Sanders)

D-AGBH	Falcon 7X	VW Air Services		D-ACJJ	ERJ190LR	WDL Aviation	LOT2977/8
D-CCGM	EMB505	Rhein Mosel Flug	08	D-ATUG	B737-8K5	TUIfly (JTG c/s)	arr TUI857T
D-CNUE	Lj60	FAI Rent-A-Jet	arr	I-ARFX	ERJ135BJ	Sirio	26 SIO411
D-CTOR	EMB505	Luxaviation Germany	08 LXG55OR	OO-ABE	A340-313E	Air Belgium	29 ABB320P/321P
EC-NBN	A330-243	Wamos Air	JAF452/452F	25.84-00165	C-12U-3	1-214th AVN	Duke69
F-GZTA	B737-33VQC	ASL Airlines France	dep JTN9161	97-00102	UC-35A1	1-214th AVN	Duke87
F-HKIL	Ce510	Oyonnair		26. B-308L	A330-243F	Sichuan Airlines	f/v CSC8225/6
N930EN	Global Express	E Management	dep	CN-LMH	G450	Regional Air Lines	arr
OH-WII	CL-604	Jetflite	dep	D-ACJJ	ERJ190LR	WDL Aviation	EAY2975/6
OM-BYC	Fokker 100	Government of Slovakia		N517DW	G550	Colleen Corp.	arr
08. CS-DLK	Falcon 2000EX	NetJets Europe	09 NJE913N/402P	27. CN-RGQ	ERJ190AR	Royal Air Maroc	11 RAM830/8723
PH-BBJ	Ce560XLS+	ASL		LX-N90450	E-3A	NAEW&CF	arr NATO2
09. CS-DXM	Ce560XLS	NetJets Europe	NJE694Y/065E	SE-RMT	Global 6000	SAAB	28
F-HOLY	AW109SP	Skycam hélicoptères	dep	28. 5B-DDA	Fokker 70	Tus Airways	29 CYF1522/3
F-HTLS	EMB500	PH Occitanie		9H-AGU	A330-322	Hi Fly Malta	dep HFM432P
N527JC	G-IV	Taughnack Avn. Corp.	11	D-ATUG	B737-8K5	TUIfly (JTG c/s)	tst TUI111T
OE-FCB	Ce510	GlobeAir	10 GAC863N/P	29. EI-EIM	A330-302E	Aer Lingus	del EIN2533
OH-JRJ	PC-12/47E	Hendell Aviation		30. A4O-AE	G550	Government of Oman	arr
10. D-CHLR	EMB505	Atlas Air Service	11 ATL9K	CS-TXD	A321-251NX	TAP Air Portugal	f/v TAP646/3
F-HGPG	Ce525	VallJet	VLJ82AP				
F-HOLY	AW109SP	Skycam hélicoptères					
OM-BYC	Fokker 100	Government of Slovakia					
PH-BBJ	Ce560XLS+	ASL	11				
ST-PNA	ERJ135BJ	Tarco Air	12				
11. 14+04	Global 5000	FBS BMVg	arr GAF630				
L1-01	Falcon 2000EX	Slovenian Air Force	arr LSV101				
F-GZTS	B737-73V	ASL Airlines France	dep FPO101T				
OO-SFW	A330-322	Brussels Airlines	dep BEL9955				
12. D-CXLS	Ce560XLS+	Air Hamburg	AHO386H				
13. 14+04	Global 5000	FBS BMVg	arr				
N450CE	G450	Exec. Jet Management	15 EJM45				
PH-BBJ	Ce560XLS+	ASL	14				
VP-CNT	G650ER	Vistra (Cayman)	f/v				
14. EC-MAA	A330-302E	Iberia	IBE3206/3				
OK-RLV	G280	Avcon Jet	15				
15. CS-DXY	Ce560XLS	NetJets Europe	16 NJE478Y/241K				
16. OO-ABB	A340-313E	Air Belgium	20 ABB202P/SLM3006				
17. SP-RKA	B737-8AS	Ryanair Sun	f/v RYR6862/3				
18. OM-BYK	A319-115X	Government of Slovakia	SSG4				
OO-ABD	A340-313E	Air Belgium	24 ABB320P/321P				
19. EC-LNH	A330-243	Wamos Air	JAF65P/165				
20. 135L-484	ERJ135BJ	352 MMYP	arr				
99-0402	C-37A	99th AS	arr				
CS-LAU	Ce680A	NetJets Europe	NJE412Y/410U				
EC-LNH	A330-243	Wamos Air	21 JAF166/81				
TC-ATA	G550	Government of Turkey	arr				
21. 2718	L-410UVP-E20	Dopravné krídl	dep SQF11				
EC-NBN	A330-243	Wamos Air	22 JAF165P/165				
F-GVMI	Global 6000	LVMH Services	arr				
N462MK	G550	Merck Sharp & Dohme	dep				
OM-BYC	Fokker 100	Government of Slovakia	SSG004				
22. EC-LNH	A330-243	Wamos Air	JAF182/066P				
SP-ENL	B737-8CX	Enter Air	24 ENT59MW/58HB				
SP-ENV	B737-8BK	Enter Air	24 ENT52MY/55CW				
23. EC-NBN	A330-243	Wamos Air	24 JAF166/166P				
N735MA	B737-8K5	Miami Air International	dep BSK564				
24. CS-DXV	Ce560XLS	NetJets Europe	25 NJE706R/123M				

At the beginning of the month some short term leases and some summer leases ended. On the 2nd a Norwegian diversion and a replacement aircraft arrived to transport the stranded passengers to London. The AirExplore Boeing 737 on the 4th arrived from Morocco where it had been based for TUI Belgium during the summer. It departed the next day to Slovakia after some lease-end maintenance. Air Belgium visited with most of their fleet for some minor maintenance. Former TUI Boeing OO-JAH departed to its new home on the 23rd. The next day a former TUIfly Boeing arrived from Shannon in Jet Time colours. Sichuan Airlines operated their first cargo flight on the 26th. The Tus Airways Fokker on the 28th was a football charter.

Credits: Luchtzak forum, planespotters@BRU Facebook group, Spotter Alert - Brussels Airport Facebook group, Scramble forum.

### Kleine Brogel

November 2019			
04. ST44	SF260D	CC Air (grey c/s)	*
Q-23	AH-64DN	301sq	*
05. Q-23	AH-64DN	301sq	*
06. CH01	C-130H	20sq	*
13. CH13	C-130H	20sq	*
FA109	F-16AM	2w	*
ST46	SF260D	CC Air (grey c/s)	*
LX-N90443	E-3A	NAEW&CF	*
18. L-08	PC-7	131EMVOsq	*
19. CH13	C-130H	20sq	*
ST26	SF260M+	CC Air	*
L-08	PC-7	131EMVOsq	*
20. L-08	PC-7	131EMVOsq	*
21. RN06	NH90-TTH	18sq/1w	*
ST41	SF260D	CC Air (grey c/s)	*
ST43	SF260D	CC Air (grey c/s)	*



This factory fresh Aer Lingus Airbus A330 was delivered from Toulouse to Brussels for service entry maintenance on 29 November 2019. The next day Yves Deliens was able to photograph EI-EIM on the ramp at Brussels Airport.

25.FB22	F-16BM	2w	*	06.D-AERO	ERJ135BJ	Air Hamburg	AHO578N
84-0126	C-21A	76th AS		D-CIRJ	Do328-120	MHS Aviation (a/w)	arr
26.ST42	SF260D	CC Air (grey c/s)	*	EC-GZA	CRJ200ER	Iberia Regional	

Credits: Toon Cox, Quinn Loots, Tim Van den Boer, Dennie Vercruisje

### Koksijde

November 2019							
05.FB24	F-16BM	10w/OCU (spec mks)	*	07.D-CIRJ	Do328-120	MHS Aviation (a/w)	arr
ST26	SF260M+	CC Air	2x *	08.C-FFCD	Global 5000	Execaire	arr
06.ST30	SF260M+	CC Air (yellow c/s, spec mks)	2x *	09.CS-PHL	EMB505	NetJets Europe	NJE153W/7RF
07.H31	A109BA	17sq/1w		OH-JRD	PC-12/47E	Fly 7 Executive Aviation	
12.FA81	F-16AM	10w	*	10.9H-VFB	CL-605	VistaJet Malta	VJT598
FA126	F-16AM	10w	*	EI-GJA	B737-800	Ryanair	div RYR1791/0071
13.FB20	F-16BM	10w/OCU	*	G-CGSJ	Global XRS	Gama Aviation	GMA914
19.ST44	SF260D	CC Air (grey c/s, spec mks)	*	LX-LGA	DHC-8-402	Luxair	div LGL8012
20.ST44	SF260D	CC Air (grey c/s, spec mks)	2x *	LX-LGC	DHC-8-402	Luxair	div LGL8852
26.H27	A109BA	17sq/1w	*	OK-JFA	Beech 400XT	Time Air	TIE816J
13-08134	CH-47F	1-214th AVN	*	PH-EZC	ERJ190STD	KLM Cityhopper	div KLM1739
13-08432	CH-47F	1-214th AVN	*	PH-TXA	Ce510	JetNetherlands	11
13-08436	CH-47F	1-214th AVN	*	12.0002	G550	1.BLTr	2x PLF106
13-08437	CH-47F	1-214th AVN	*	N522JP	Beech C90A	Aerolease	
27.FB17	F-16BM	10w/OCU	*	OE-ILC	B747-409F	ASL Airlines Belgium	del TAY916E
				VP-CNT	G650ER	Vistra (Cayman)	f/v 13
				13.SP-YVK	S-70i	PZL Mielec	14
				18.A7-BFT	B777-F	Qatar Airways	f/v QTR8750/1
				20.32	Falcon 10MER	57S	21 FNY5560
				SE-RLX	BAe125-800XP	Grafair Flight Management	
				VP-CFE	G650ER	TAG Aviation Asia	
				22.PH-WTC	Falcon 2000S	Cartier Europe	
				23.D-CXLS	Ce560XLS+	Air Hamburg	AHO369
				24.OK-JFA	Beech 400XT	Time Air	TIE843J
				26.OK-JFA	Beech 400XT	Time Air	TIE846J

The four US Army Europe CH-47Fs where en route towards the United Kingdom.

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

### Liège

November 2019							
03.OK-JFA	Beech 400XT	Time Air	TIE805J				
04.F-GXAV	PA-31T1	Cheyenne	06				
I-CRFX	ERJ135BJ	Sirio	05SIO410				
05.OK-JFA	Beech 400XT	Time Air	TIE810J				
PH-DWS	ERJ135LR	Air Charters Europe	dep				

On the 10th some Luxembourg diversions.

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

### Ostend-Bruges

November 2019							
01.EC-JIP	SA226TC	Flightline	dep FTL75H				
ER-JAI	B747-412(F)	Aerotrans Cargo	dep ATG4462				



Toon Cox was able to catch this M28 on camera while visiting Genk-Zwartberg airport on 14 November 2019. Polish registration SP-DGR is listed on a detachable panel. This aircraft was destined for Taiwanese Global Airlines as B-58816 but that deal fell through due to paperwork issues.

M-CLAB	CL-300	Shamrock Trading	14	23.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	25
M-GETS	PC-12/47E	3FS Aviation		CS-LTM	Ce680A	NetJets Europe	NJE6EQ
PH-PXA	EC135P2+	Nationale Politie	ZXP01	24.D-ILOU	Ce525A	Sylt Air	AWU124A
04.F-HRAM	ERJ145LR	Amelia International	05 AEH131F/131	ER-BBJ	B747-412(F)	Aerotrans Cargo	26 ATG6633/2
PH-PXB	EC135P2+	Nationale Politie	ZXP02	25.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	30
06.65	EMB121AN	28F	FNJ5026	D-AIQL	A320-211	Germanwings	arr GWI6900
D-AFAN	CL-850	FAI Rent-a-jet	07 IFA6151	LY-FTL	B737-522	KlasJet	26 KLJ6127/8
D-IAAD	EMB500	Arcus-Air	AZE111Q/12IQ	OO-CFW	PC-12/47E	Nextgen Aviation	
G-ULFM	G450	Pen-Avia		OO-TCQ	A320-214	Brussels Airlines	BEL9933/1065
LY-FTL	B737-522	KlasJet	KLJ6123/4	SP-KPC	Saab 340A	SprintAir	26 SRN231/2
07.ER-BBJ	B747-412(F)	Aerotrans Cargo	08 ATG4464/5	26.LX-JFV	PC-12/47E	Jetfly Aviation	27 -/JFA95X
SP-ESG	B737-8Q8	Enter Air	ENT53RE/53NK	OO-AMR	Ce525A	Air Service Liège	
08.EC-GJM	SA227BC	Flightline	11 FTL952/911	PH-NNX	Ce750	JetNetherlands	
LX-JFR	PC-12/47E	Jetfly Aviation	JFA54B	UR-82072	An-124-100M	ADB	02 ADB550F/339F
LY-FTL	B737-522	KlasJet	16 KLJ6125/6126	27.ER-JAI	B747-412(F)	Aerotrans Cargo	28 ATG4470/1
SU-GFD	A220-300	Egyptair	f/v del MSR3330	OO-AMR	Ce525A	Air Service Liège	
10.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	18	OO-TCQ	A320-214	Brussels Airlines	BEL1066/9934
N341DT	SA341G	Xavier De Tracy		28.ER-JAI	B747-412(F)	Aerotrans Cargo	29 ATG4470/1
11.ER-BBJ	B747-412(F)	Aerotrans Cargo	12 ATG6622/3	OO-CFW	PC-12/47E	Nextgen Aviation	
PH-NNX	Ce750	JetNetherlands		OO-JWB	PC-12/47E	Nextgen Aviation	
UR-82008	An-124-100	ADB	12 ADB5223/254F	SP-KPC	Saab 340A	SprintAir	SRN233
12.SP-ENG	B737-8CX	Enter Air	ENT52FE/57HU	29.CS-LTB	Ce680A	NetJets Europe	
13.EC-JIP	SA226TC	Flightline	14 FTL522/541	LY-FTL	B737-522	KlasJet	KLJ6129/6130
N604EP	CL-604	Engineers & Planners Company		UR-82029	An-124-100	ADB	ADB350F/5250
OO-OMG	EC120B	Helibusiness		30.9G-NHG	AS365N3	NHV	arr
14.D-CHRE	Ce680	Hahn Air	15 HHN40E	G-CKUE	Spitfire Mk.XVI	G.F.T. van Eerd	*
ER-JAI	B747-412(F)	Aerotrans Cargo	15 ATG4463/4	OO-JWB	PC-12/47E	Nextgen Aviation	
OO-CLA	Ce525C	Luxaviation Belgium		UR-82029	An-124-100	ADB	ADB5251/521F
PH-NNX	Ce750	JetNetherlands					
15.D-CKJE	EMB505	Air Hamburg	AHO262F				
UR-82008	An-124-100	ADB	17 ADB5235				
16.M-CLAB	CL-300	Shamrock Trading	arr				
17.SU-GFB	A220-300	Egyptair	f/v del MSR3330				
18.CS-DLB	Falcon 2000EX	Netjets Europe	NJE5NP				
PH-NNX	Ce750	JetNetherlands					
YL-RAG	Saab 340A(F)	RAF-Avia	MTL533P/C				
19.CS-LTC	Ce680A	NetJets Europe	NJE4XQ				
EW-483TI	An-12BK	Ruby Star	RSB1001/2				
20.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	23				
D-IKGT	Raytheon 390	Karl Georg Theurer					
21.CS-DKK	G550	Netjets Europe	NJE8GB/427G				
LX-TWO	Lj45XR	Luxemb. Air Ambulance	LRQ805E				
PH-NNX	Ce750	JetNetherlands					
22.81	EMB121AN	28F	CTM1765				
108/YW	EMB121AA	EAT00.319					
CS-DVZ	Ce550	Taespejo	TES152				
D-ILOU	Ce525A	Sylt Air	23 AWU122A				
F-HCEV	B200GT	DGAC	NAK083				

#### EgyptAir Cargo:

SU-GCE 02, 03, 14, 16, 19, 21, 23, 24, 26, 27, 29  
 SU-GCJ 07, 09, 10, 12, 13, 17, 19, 21, 22, 23, 24, 26, 30

#### TUI Belgium:

OO-JAF 01 – 30  
 OO-JAS 01 – 03,03  
 OO-JAV 01  
 OO-JBG 29  
 OO-JEB 03<sup>2</sup>, 04<sup>2</sup>, 05  
 OO-JEM 02  
 OO-JVA 01, 27<sup>2</sup>, 28<sup>2</sup>, 29, 29<sup>2</sup>, 30<sup>2</sup>  
 OO-TEA 05<sup>2</sup> - 07<sup>2</sup>, 08, 08<sup>2</sup> - 26<sup>2</sup>

On the 4th Amelia International operated a charter for the PSG - Club Brugge football game. For the Wolfsburg - AA Gent game the charter was being operate by KlasJet on the 6th. The Egyptair 'Airbus' on the 8th was a delivery flight. A second aircraft was ferried through Ostend on the 17th. The Germanwings Airbus on the 25th is destined for Aerocircular for disposal. On that same day Brussels Airlines operated a charter for the Galatasaray-Club Brugge football game. Two days later the return flight took place.

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



This Dauphin was delivered to Noordzee Helikopters Vlaanderen as OO-NHG in late 2009. In mid 2012 it was exported to Ghana as 9G-NHG with the same operator. It was photographed when it returned to Ostend reportedly for maintenance. (Ostend, 30 November 2019, Nik Deblauwe)

# Military Movements Elsewhere



Polish Air Force PZL M28s are frequent visitors to Germany, like this 0224 on final at Ramstein Air Base. (30 July 2019, Jan Zocher)

## Germany

### Geilenkirchen

			October 2019
01. D-AOLH	Fokker 100	Avanti Air	TAY599P
D-HEGZ	AS332L1	Bundespolizei	* BPO22
D-HLTN	EC155B	Bundespolizei	* BPO6
02. G-273	C-130H-30	336sq	* NAF74
62-3506	KC-135R	117th ARS KS ANG	dep RCH449
63-8004	KC-135R	117th ARS KS ANG	dep RCH564
84-00156	C-12U-3	E/1-214th AVN	* Duke18
07. 100001	S100B	TSFE	OSY38T/11T
D-HEGD	AS332L1	Bundespolizei	* BPO10
F-HESR	ERJ-145LR	Aero4M	TAY760/5140
OO-TNN	B737-45D	ASL Airlines	TAY5072/809P
OO-TNO	B737-49R	ASL Airlines	TAY502P/8011
09. B-536	C-130J-30	Esk721	DAF6809
053	Falcon 20ECM	717Skv	NOW717F
D-HABS	EC135T1	HEER	* Heli644
11. 100001	S100B	TSFE	OSY11T/38T
F-GRGP	ERJ-135ER	Aero4M	TAY5012/598
OO-TNO	B737-49R	ASL Airlines	TAY502P/8011
14. 15+03	A319CJ	FBS BMVg	GAF887
1105	An-30	Romanian AF	18 OSY32T
63-8015/AK	KC-135R	168th ARS AK ANG	25 RCH182
63-8028/AK	KC-135R	168th ARS AK ANG	25 RCH168
15. 15+03	A319CJ	FBS BMVg	GAF887/OSY11D
16. 15+03	A319CJ	FBS BMVg	GAF887/OSY11D
60-0316	KC-135T	191st ARS UT ANG	RCH170
D-HEGD	AS332L1	Bundespolizei	* BPO22
S5-ACJ	ERJ145LU	Aero4M	17 TAY812/5073
17. 15-20743	UH-60M	A/1-214th AVN	Duke68
OE-LFB	B757-23A	ASL Airlines	TAY747/5406
21. D-HEGL	AS332L1	Bundespolizei	* BPO17
22. S-454	AS532U2	300sq	* Wildcat07
041	Falcon 20ECM	717Skv	NOW717
07-8608/RS	C-130J-30	37th AS	* HKY05
D-HEGL	AS332L1	Bundespolizei	* BPO20
23. D-ILHA	Ce525CJ1+	LFT	* LH9989
24. 60+05	P-3C	MFG3	GNV4520
28. 57-1486	KC-135R	153rd ARS MS ANG	08 RCH687
59-1453	KC-135R	153rd ARS MS ANG	08 RCH862
D-HEGZ	AS332L1	Bundespolizei	* BPO10
29. D-AOLG	Fokker 100	Avanti Air	TAY788/5015
30. 95-00123	UC-35A1	1-214th AVN	Duke36
D-AOLG	Fokker 100	Avanti Air	TAY5016/594
S5-ACJ	ERJ145LU	Aero4M	TAY767
31. OO-TNO	B737-49R	ASL Airlines	TAY502/5077

			November 2019
05. ZE700	Bae146 CC2	32(TR)sq	RRR1353
08. 84-00165	C-12U-3	1-214th AVN	* Duke39
D-HEGZ	AS332L1	Bundespolizei	* BPO20
F-GRGP	ERJ135ER	Aero4M	TAY624/5121
OE-IAR	B737-4M0	FedEx	TAY605/5123
11. 59-1483	KC-135R	121st ARW OH ANG	22 RCH554
61-0264	KC-135R	121st ARW OH ANG	15 RCH565
62-3531	KC-135R	121st ARW OH ANG	22 RCH539
13. D-CGFP	Lj35	GFD	GFD93
13. D-HEGA	AS332L1	Bundespolizei	* BPO24
13. D-HEGL	AS332L1	Bundespolizei	* BPO12
13. D-HEGL	AS332L1	Bundespolizei	* BPO105
14. D-AOLG	Fokker 100	Avanti Air	15 TAY653/5015
15. D-AOLG	Fokker 100	Avanti Air	TAY5016/633P
15. S5-ACJ	ERJ-145LU	Aero4M	TAY5054/844P
18. 60-0347	KC-135R	121st ARW OH ANG	22 RCH155
20. D-CFMD	Be350	FCS	FCK211
21. D-HEGA	AS332L1	Bundespolizei	* BPO6
25. 1x	Tomado	TLG51	Panther
26. 43+50	Tornado IDS	TLG33	Gunner
1x	Tornado IDS	TLG33	Ghost
27. 0220	M28TD	8.Bltr	28 PLF112
27. D-HSHC	EC120B Colibri	Bundespolizei	* BPO22
28. 14+03	Global 5000	FBSBMVg	GAF624
29. MM622279/41-01	P-72A	88°Gr	IAM4188
29. D-HEGO	AS332L1	Bundespolizei	
			December 2019
02. 58-0049	KC-135T	171st ARS MI ANG	20 RCH250
59-1474	KC-135R	171st ARS MI ANG	11 RCH253/167
06 (blu)	C-27J	LithuanianAF	LYF277
D-AOLH	Fokker 100	Avanti Air	TAY845/5114
D-HEGZ	AS332L1	Bundespolizei	* BPO15
OE-IAQ	B737-4M0	ASL Airlines	TAY502/5013
OE-IAQ	B737-4M0	ASL Airlines	TAY5012/501
S5-ACJ	ERJ-145LU	Aero4M	TAY847
03. 59-1512	KC-135T	171st ARS MI ANG	20 RCH251
S5-ACJ	ERJ-145LU	Aero4M	TAY5015/5016
OE-IAQ	B737-4M0	ASL Airlines	TAY502P/5077
04. D-ILHE	Ce525CJ1+	Lufthansa Flight Training	* LH9972
LY-FLT	B737-500	Klasjet	KLJ3259
05. 06	C-27J	LithuanianAF	LYF277
D-HSHF	EC120B	Bundespolizei	* BPO31
LY-FLT	B737-500	Klasjet	KLJ3259
06. 06	C-27J	LithuanianAF	LYF277
D-AOLG	F100	Avanti Air	TAY5115/654P
09. 97-00102	UC-35A	E/1-214th AVN	Duke33

10.S-440	AS-532U2	300sq	* NAF03	Ramstein			October 2019
60-0346	KC-135T	171st ARS MI ANG	20 RCH167/253	01.87-0029	C-5M	60th AMW	dep RCH238
11.84-00165	C-12U-3	E/1-214 AVN	Duke16	90-0532	C-17A	156th AS NC ANG	dep RCH802
12.MM62227/ 14-02		KC-767	8°Gr IAM1411	90-3119	C-17A	183rd AS MS ANG	dep RCH552
16.84-00156	C-12U-3	E/1-214 AVN	Duke31	05-5140	C-17A	729th AS AFRC	dep RCH425
D-HLTL	EC155B	Bundespolizei	* BPO22	06-6155	C-17A	60th AMW	04 RCH381/456
OE-LFB	B757-23A(PF)	ASL Airlines	TAY5014/513	07-7169	C-17A	436th AW	dep RCH937
18.84-00162	C-12U-3	E/1-214th AVN	* Duke41	900528	C-26D	AOD Sigonella	dep CNV6330
84-00165	C-12U-3	E/1-214th AVN	* Duke23	02.93/XL	TBM700A	ET00.060	CTM3832
D-HEGL	AS332L1	Bundespolizei	* BPO101	85-0005	C-5M	436th AW	03 RCH737
D-HLTL	EC155B	Bundespolizei	* BPO21	90-0532	C-17A	156th AS NC ANG	03 RCH802
F-HRAM	ERJ-145LU	Aero4M	TAY767/5015	03-3127	C-17A	62nd AW	RCH966
F-HRAM	ERJ-145LU	Aero4M	TAY5016/850P	08-8198	C-17A	437th AW	03 RCH1818
19.D-HEGL	AS332L1	Bundespolizei	* BPO107	900531	C-26D	AOD Naples	03 CNV6202
<u>Credits: Rolf Flinzner, Scramble messageboard.</u>				03.84-0062	C-5M	60th AMW	06 RCH271
Nürnberg			October 2019	87-0045	C-5M	436th AW	dep RCH333
07.07-7181	C-17A	437th AW	08 RCH144	96-0005	C-17A	137th AS NY ANG	04 RCH803
08.95-00123	UC-35A	E/1-214th AVN	Duke60	97-0041	C-17A	437th AW	04 RCH437
84+71	CH-53GA	HSG64	Shadow24	00-0183	C-17A	156th AS NC ANG	04 RCH717
09.54+02	A400M	LTG62	Dasa01	00-0185/AK	C-17A	517th AS AK ANG	04 RCH805
10.14+04	Global 5000	FBS BMVg	GAF625	01-0196	C-17A	167th AS WV ANG	dep RCH455
73+48	UH-1D	THR30	* Joker90	02-1099	C-17A	758th AS AFRC	06 RCH155/527
99-0062	C-17A	437th AW	RCH171/244	06-6160	C-17A	60th AMW	RCH103
16.16-5840/RS	C-130J-30	37th AS	Herky11	06-6160	C-17A	62nd AW	RCH603
18.14+05	Global 5000	FBS BMVg	GAF685	08-8197	C-17A	437th AW	04 RCH165
20.08-8601/RS	C-130J-30	37th AS	Herky720	10-0222	C-17A	68th AS AFRC	dep RCH679
21.82+54	EC-135T1	IHTC	GAM333	04.87-0027	C-5M	60th AMW	05 RCH409
82+55	EC-135T1	IHTC	GAM257	87-0042	C-5M	437th AW	05 RCH437
MM62157/EI-102		Do228-212	28°Gr AVES IEI2802	97-0041	C-17A	437th AW	05 RCH610
08-20172	HH-60M	C/2-1st AVN	* Army20172	97-0046	C-17A	183rd AS MS ANG	RCH237
22.04-4131	C-17A	305th AMW	23 RCH105/421	03-3113	C-17A	457th AS	05 RCH215
11-20351	HH-60M	C/2-1st AVN	* Army20351	84-0079	C-21A	437th AW	11 RCH437
23.258	Lj45	101sq	IRL258	05.97-0041	C-17A	155th AS TN ANG	RCH243
24.84-00156	C-12U-3	E/1-214th AVN	Duke23	00-0176	C-17A	156th AS NC ANG	07 RCH717/470
11-20351	HH-60M	C/2-1st AVN	* Army20351	00-0183	C-17A	155th AS TN ANG	06 RCH108
72+00	UH-1D	THR30	* Joker10	01-0189	C-17A	183rd AS MS ANG	RCH111
26.MM62158/EI-103	Do228-212	28°Gr AVES	IEI2802	03-3118	C-17A	436th AW	08 RCH294
ZH871	Hercules C4	BNTW	RRR5510	07-7175	C-17A	62nd AW	dep RCH547
27.84-00165	C-12U-3	E/1-214th AVN	Duke39	08-8200	C-17A	437th AW	06 RCH109
28.84-00165	C-12U-3	E/1-214th AVN	Duke39	09-9206	C-17A	62nd AW	06 RCH547
97-00105	UC-35A	E/1-214th AVN	Duke01	09-9211	C-17A	517th AS AK ANG	RCH805
08-20172	HH-60M	C/2-1st AVN	* Army20172	06.00-0185/AK	C-17A	62nd AW	07 RCH331
11-20351	HH-60M	C/2-1st AVN	* Army20351	01-0187	C-17A	183rd AS MS ANG	RCH111
30.97-00105	UC-35A	E/1-214th AVN	Duke01	03-3118	C-17A	729th AS AFRC	07 RCH452
31.11-20392	UH-60M	4-3rd AVN	* Army20392	05-5144	C-17A	60th AMW	07 RCH837
11-20434	HH-60M	C/2-3rd AVN	* Army20434	06-6154	C-17A	62nd AW	11 RCH547/244
			November 2019	08-8200	C-17A	62nd AW	RCH984
04.84-00162	C-12U-3	E/1-214th AVN	Duke44	10-0217	C-17A	62nd AW	RCH984
11-20392	UH-60M	4-3rd AVN	Army20392	164597/RU	C-130T-30	VR-55	09 CNV6606/6607
MM62158/EI-103		Do228-212	28°Gr AVES IEI2801	07.02	C-17A	HAW	Bartok50
05.11-20402	HH-60M	C/2-3rd AVN	* Army20402	00-0175	C-17A	305th AMW	08 RCH145
06.72+35	UH-1D	THR30	* Joker34	00-0180	C-17A	758th AS AFRC	08 RCH550
84-00165	C-12U-3	E/1-214th AVN	Duke60	06-6162	C-17A	60th AMW	RCH161
01-0040	C-40B	1st AS	07 SAM088	09-9207	C-17A	437th AW	10 RCH599
15-5831/RS	C-130J-30	37th AS	* Herky71	93-1097/GA	E-8C	128th ACCS GA ANG	10 Anarchy4
11-20395	UH-60M	4-3rd AVN	* Army20395	08.02	C-17A	HAW	10 Bartok50
07.84-00156	C-12U-3	E/1-214th AVN	Duke18	98-0056/AK	C-17A	517th AS AK ANG	10 RCH553/265
09.ZZ330	Voyager KC2	10/101sq	RRR2222/3	00-0183	C-17A	156th AS NC ANG	10 RCH470
10.ZZ330	Voyager KC2	10/101sq	RRR2226/7	00-0185/AK	C-17A	517th AS AK ANG	09 RCH190
12.84-00156	C-12U-3	E/1-214th AVN	Duke63	01-0189	C-17A	155th AS TN ANG	09 RCH108
11-20422	UH-60M	4-3rd AVN	* Army20422	02-1110	C-17A	62nd AW	RCH554
13.72+35	UH-1D	THR30	* Joker15	06-6162	C-17A	60th AMW	RCH161
84-00165	C-12U-3	E/1-214th AVN	14 Duke16	07-7175	C-17A	436th AW	09 RCH294
14.84-00162	C-12U-3	E/1-214th AVN	Duke62	10-0215	C-17A	437th AW	RCH275
15.54+18	A400M	LTG62	* GAF727	10-0217	C-17A	62nd AW	RCH984
16.MM62157/EI-102	Do228-212	28°Gr AVES	IEI2803	09.604	A319-112	MH 59. Sz.D. REB.	HuAF178
18.84-00162	C-12U-3	E/1-214th AVN	Duke79	85-0004	C-5M	436th AW	10 RCH339
19.97-00102	UC-35A	E/1-214th AVN	Duke28	82-0193	KC-10A	60th AMW	10 RCH424
21.84-00165	C-12U-3	E/1-214th AVN	Duke79	02-1110	C-17A	62nd AW	RCH554
97-00102	UC-35A	E/1-214th AVN	Duke87	06-6157	C-17A	60th AMW	RCH427
07-8614/RS	C-130J-30	37th AS	Herky11	06-6161	C-17A	60th AMW	10 RCH435
16-5840/RS	C-130J-30	37th AS	Herky12	08-8195	C-17A	62nd AW	RCH535
22.97-00102	UC-35A	E/1-214th AVN	Duke87	09-9206	C-17A	437th AW	RCH109
23.ZZ335	Voyager KC2	10/101sq	RRR2254/5	10.03	C-17A	HAW	Bartok86
<u>Credits: MAR, Scramble messageboard.</u>				99-0062	C-17A	437th AW	12 RCH244/294
				00-0172	C-17A	156th AS NC ANG	11 RCH317
				00-0176	C-17A	155th AS TN ANG	11 RCH243



An interesting visitor at Geilenkirchen for a fuel stop is this P-72 of the Italian Air Force on its way to Bodo, Norway. (MM62279, 88 Gruppo, 29 November 2019, Rolf Flinzner)

05-5153/HH	C-17A	535th AS HI ANG	11 RCH447	01-0187	C-17A	62nd AW	17 RCH841
06-6155	C-17A	60th AMW	11 RCH417	02-1100	C-17A	155th AS TN ANG	17 RCH722
06-6157	C-17A	60th AMW	RCH427	03-3114	C-17A	183rd AS MS ANG	17 RCH778
07-7176	C-17A	436th AW	11 RCH434	03-3117	C-17A	183rd AS MS ANG	22 RCH738/342
08-8195	C-17A	62nd AW	RCH535	04-4134	C-17A	305th AMW	17 RCH557/792
93-1097/GA	E-8C	128th ACCS GA ANG	15 Anarchy4	07-7179	C-17A	60th AMW	17 RCH683
10-20272	UH-60M	A/1-214th AVN	Duke20	07-7183	C-17A	437th AW	18 RCH337
11.00-0185/AK	C-17A	517th AS AK ANG	RCH190	07-7186	C-17A	437th AW	17 RCH792/557
06-6155	C-17A	60th AMW	12 RCH417	10-0218	C-17A	62nd AW	23 RCH279
61-0292/D	KC-135R	351st ARS	Quid88	02-5001	C-32B	486th FLTS	17 RCH588
17-03139	AH-64E	B/1-6th CAV	Army73139	57-1440/D	KC-135R	351st ARS	17 Quid12
17-03143	AH-64E	B/1-6th CAV	Army73139	17.93-0603	C-17A	89th AS AFRC	18 RCH197
17-03144	AH-64E	B/1-6th CAV	Army73139	00-0183	C-17A	156th AS NC ANG	18 RCH629
17-03154	AH-64E	B/1-6th CAV	Army73139	02-1100	C-17A	155th AS TN ANG	20 RCH722/738
17-03164	AH-64E	B/1-6th CAV	Army73164	03-3127	C-17A	62nd AW	19 RCH289/553
17-03170	AH-64E	B/1-6th CAV	Army73164	04-4131	C-17A	305th AMW	18 RCH481
17-03173	AH-64E	B/1-6th CAV	Army73164	05-5145	C-17A	729th AS AFRC	18 RCH622T
17-03175	AH-64E	B/1-6th CAV	Army73164	09-9205	C-17A	437th AW	18 RCH340
12.87-0031	C-5M	337th AS AFRC	13 RCH537	165151	C-20G	CFLSW Det. Sigonella	Catbird1
88-0266	C-17A	437th AW	RCH289	11-0550	C-37B	99th AS	18 SAM423
96-0005	C-17A	137th AS NY ANG	13 RCH344	91-0342/SP	F-16CM	480th FS	18 Maxx02/Harm01
97-0041	C-17A	437th AW	22 RCH437	91-0412/SP	F-16CM	480th FS	18 Maxx01/Harm02
00-0172	C-17A	156th AS NC ANG	15 RCH317/653	09-72098	UH-72A	JMRC	Army72098
06-6161	C-17A	60th AMW	14 RCH435	18.85-0005	C-5M	436th AW	19 RCH527/549
09-9206	C-17A	437th AW	15 RCH533	00-0174/AK	C-17A	517th AS AK ANG	19 RCH449
13.07-7178	C-17A	305th AMW	15 RCH298/299	01-0194	C-17A	89th AS AFRC	19 RCH777
08-8194	C-17A	62nd AW	14 RCH148	03-3114	C-17A	183rd AS MS ANG	19 RCH778
14.09-9206	C-17A	437th AW	15 RCH533	07-7174	C-17A	436th AW	RCH370
10-0221	C-17A	437th AW	16 RCH525	07-7179	C-17A	60th AMW	19 RCH683/142
97-0400	C-37A	99th AS	15 SAM331	08-8200	C-17A	62nd AW	19 RCH212/163
60-0313	KC-135R	22nd ARW	15 RCH418	99-0003	C-32A	1st AS	SAM421
900531	C-26D	AOD Naples	CNV6213	165158/CW	C-130T	VR-54	CNV6518
164597/RU	C-130T-30	VR-55	CNV6607	93-1097/GA	E-8C	128th ACCS GA ANG	21 Anarchy4
15.160/ABV	TBM-700B	EAAT	2x FMY8039, 8050	19.85-0004	C-5M	436th AW	21 RCH597/347
0222	M-28B/PT	8.BLTr	16 PLF114	87-0124	KC-10A	305th AMW	20 RCH609
92-3293	C-17A	437th AW	16 RCH239	00-0176	C-17A	155th AS TN ANG	23 RCH552/643
03-3116	C-17A	183rd AS MS ANG	17 RCH721	01-0191	C-17A	436th AW	20 RCH320
06-6167	C-17A	436th AW	16 RCH607	08-8203	C-17A	62nd AW	21 RCH679
07-7183	C-17A	437th AW	16 RCH337	10-0215	C-17A	437th AW	RCH275
07-7186	C-17A	437th AW	16 RCH792	20.85-0002	C-5M	436th AW	21 RCH637
08-8200	C-17A	62nd AW	17 RCH142/212	85-0005	C-5M	436th AW	21 RCH549
09-9205	C-17A	437th AW	16 RCH340	00-0183	C-17A	156th AS NC ANG	21 RCH629/983
05-1466	C-130J-30	115th AS CA ANG	18 RCH146	01-0191	C-17A	436th AW	21 RCH320
57-1440/D	KC-135R	351st ARS	16 Quid12	01-0194	C-17A	89th AS AFRC	21 RCH777
93-1097/GA	E-8C	128th ACCS GA ANG	18 Anarchy4	02-1100	C-17A	155th AS TN ANG	RCH738
16.84-0061	C-5M	436th AW	RCH800	03-3127	C-17A	62nd AW	24 RCH553/298
93-0603	C-17A	89th AS AFRC	17 RCH197	08-8200	C-17A	62nd AW	21 RCH163/107
00-0172	C-17A	156th AS NC ANG	17 RCH653	21.06-6157	C-17A	60th AMW	RCH617/553
00-0174/AK	C-17A	517th AS AK ANG	17 RCH449	08-8200	C-17A	62nd AW	22 RCH107

08-8203	C-17A	62nd AW	22 RCH679	07-7174	C-17A	436th AW	RCH544
93-1097/GA	E-8C	128th ACCS GA ANG	23 Anarch4	07-7186	C-17A	437th AW	28 RCH982
1x	F-16CM/DM	480th FS	* Noise11	08-8200	C-17A	62nd AW	28 RCH552/628
1x	F-16CM/DM	480th FS	* Strut21	97-00105	UC-35A	E/1-214th AVN	28 Duke01
84-23936	UH-60A+	C/1-214th AVN	* Duke29	165158/CW	C-130T	VR-54	CNV6527
165833	C-40A	VR-59	CNV6720	28.94-0069	C-17A	167th AS WV ANG	RCH711
22.86-0026	C-5M	60th AMW	RCH260	00-0185/AK	C-17A	517th AS AK ANG	29 RCH192
97-0047	C-17A	437th AW	RCH348	03-3126	C-17A	305th AMW	RCH554
00-0183	C-17A	156th AS NC ANG	24 RCH983	03-3127	C-17A	62nd AW	29 RCH322
02-1100	C-17A	155th AS TN ANG	RCH231	04-4132	C-17A	305th AMW	29 RCH747
07-7169	C-17A	436th AW	23 RCH328/685	06-6166	C-17A	436th AW	RCH647
07-7182	C-17A	437th AW	RCH1815	07-7179	C-17A	60th AMW	29 RCH861
13-5786	MC-130J	67th SOS	Gosh41	28.07-7186	C-17A	437th AW	arr RCH982
59-1516	KC-135R	126th ARS WI ANG	25 RCH791	09-9211	C-17A	62nd AW	29 RCH533
60-0345	KC-135T	171st ARS MI ANG	23 RCH455	900528	C-26D	AOD Sigonella	29 CNV6328
23.85-0005	C-5M	436th AW	24 RCH549/165	165158/CW	C-130T	VR-54	30 CNV6527
87-0034	C-5M	60th AMW	28 RCH341	28.93-1097/GA	E-8C	128th ACCS GA ANG	29 Anarchy4/5
02-1106	C-17A	62nd AW	24 RCH458	91-0481/SP	F-16DM	480th FS	Maxx03
02-1111	C-17A	62nd AW	24 RCH366/136	29.99-0062	C-17A	437th AW	RCH420/982
07-7169	C-17A	436th AW	24 RCH685	01-0188	C-17A	137th AS NY ANG	30 RCH537
07-7184	C-17A	437th AW	24 RCH877	03-3119	C-17A	183rd AS MS ANG	RCH554
08-8200	C-17A	62nd AW	24 RCH107/552	03-3127	C-17A	62nd AW	01 RCH322/883
01-1462	C-130J-30	115th AS CA ANG	25 RCH156	08-8193	C-17A	62nd AW	30 RCH534
93-1097/GA	E-8C	128th ACCS GA ANG	25 Anarchy4	08-8195	C-17A	62nd AW	RCH731
168071/BH	KC-130J	VMGR-252	24 Bronco31	93-1097/GA	E-8C	128th ACCS GA ANG	01 Anarchy5/4
24.00-0172	C-17A	156th AS NC ANG	25 RCH405	30.00-0172	C-17A	156th AS NC ANG	31 RCH613
03-3126	C-17A	305th AMW	25 RCH739/247	04-4132	C-17A	305th AMW	31 RCH747
04-4130	C-17A	305th AMW	25 RCH595	05-5153/HH	C-17A	535th AS HI ANG	31 RCH655
04-4137	C-17A	305th AMW	25 RCH421	08-8200	C-17A	62nd AW	01 RCH628/408
59-1461	KC-135R	126th ARS WI ANG	25 RCH792	10-0223	C-17A	437th AW	arr RCH665
25.85-0005	C-5M	436th AW	27 RCH165	31.ZE708	BAe146 CC3	32(TR)sq	RRR1583
93-1097/GA	E-8C	128th ACCS GA ANG	28 Anarchy4	02-1107	C-17A	156th AS NC ANG	01 RCH882
07-0033	CV-22B	7th SOS	Juicy81	02-1108	C-17A	62nd AW	01 RCH449
10-0052	CV-22B	7th SOS	Juicy82	06-6166	C-17A	436th AW	RCH979
26.87-0043	C-5M	337th AS AFRC	27 RCH966	07-7184	C-17A	437th AW	RCH171
00-0172	C-17A	156th AS NC ANG	27 RCH405/697	08-8193	C-17A	62nd AW	01 RCH534
01-0196	C-17A	167th AS WV ANG	27 RCH167/107	13-5778	MC-130J	67th SOS	Derma31
02-1100	C-17A	155th AS TN ANG	RCH180	07-0033	CV-22B	7th SOS	Juicy82
03-3127	C-17A	62nd AW	28 RCH540/322	10-0052	CV-22B	7th SOS	Juicy81
04-4130	C-17A	305th AMW	27 RCH595				
06-6166	C-17A	436th AW	RCH647				
07-7174	C-17A	436th AW	RCH544	01.C-215	CL-604	Esk721	November 2019 DAF6776
07-7181	C-17A	437th AW	29 RCH795	02-1107	C-17A	156th AS NC ANG	dep RCH882
27.86-0026	C-5M	60th AMW	28 RCH260	02-1108	C-17A	62nd AW	dep RCH449
93-0603	C-17A	89th AS AFRC	28 RCH438	05-5153/HH	C-17A	535th AS HI ANG	02 RCH527
00-0172	C-17A	156th AS NC ANG	29 RCH697/613	07-7175	C-17A	436th AW	RCH653
02-1100	C-17A	155th AS TN ANG	RCH180	07-7184	C-17A	437th AW	RCH171
				07-7185	C-17A	437th AW	06 RCH967



States side C-130s can often be found at Ramstein, like this C-130J-30 05-8158 of 815th Airlift Squadron from Keesler AFB (MS). (30 July 2019, Jan Zocher)

08-8193	C-17A	62nd AW	dep RCH534	07-7181	C-17A	437th AW	12 RCH802
08-8193	C-17A	62nd AW	02 RCH534	08-8190	C-17A	437th AW	11 RCH814/515
08-8200	C-17A	62nd AW	dep RCH408	11.96-0005	C-17A	137th AS NY ANG	12 Bandage37/RCH982
09-9211	C-17A	62nd AW	02 RCH533	00-0176	C-17A	155th AS TN ANG	12 RCH436
59-1516	KC-135R	126th ARS WI ANG	03 RCH545	164597/RU	C-130T-30	VR-55	dep CNV3365
93-1097/GA	E-8C	128th ACCS GAAANG	tdy 03.12 Anarchy4	164597/RU	C-130T-30	VR-55	12 CNV3365
02.017	C295M	13. ELTr	PLF040	168071/BH	KC-130J	VMGR-252	Bronco31
84-0061	C-5M	436th AW	03 RCH472	12.MM62181	KC-130J	50°Gr TM	13 IAM4673
99-0062	C-17A	437th AW	03 RCH801	86-0036	KC-10A	305th AMW	RCH531
02-1107	C-17A	156th AS NC ANG	04 RCH882/245	96-0005	C-17A	137th AS NY ANG	RCH982
02-1108	C-17A	62nd AW	04 RCH449	00-0183	C-17A	156th AS NC ANG	14 Bandage37/RCH157
03-3127	C-17A	62nd AW	RCH883	06-6166	C-17A	436th AW	14 RCH405
04-4133	C-17A	305th AMW	03 RCH407	06-6167	C-17A	436th AW	13 RCH491
06-6166	C-17A	436th AW	RCH979	10-0223	C-17A	437th AW	15 RCH639/211
07-7175	C-17A	436th AW	RCH653	84-00156	C-12U-3	E/1-214th AVN	Duke63
07-7182	C-17A	437th AW	RCH1815	13.95/XH	TBM-700A	CEAM	FAF9175
98-0002	C-32A	1st AS	03 SAM511	87-0036	C-5M	436th AW	18 RCH401
60-0339	KC-135T	92nd/141st ARW	03 RCH301	79-1947	KC-10A	305th AMW	14 Blue71/RCH161
03.85-0008	C-5M	436th AW	07 RCH203	86-0035	KC-10A	305th AMW	16 RCH161/Blue71
04-4130	C-17A	305th AMW	RCH187	96-0006	C-17A	167th AS WV ANG	RCH556
08-8200	C-17A	62nd AW	04 RCH408/617	99-0169	C-17A	437th AW	15 RCH526
10-0223	C-17A	437th AW	dep RCH617	04-4132	C-17A	305th AMW	14 RCH150
10-0223	C-17A	437th AW	04 RCH617/547	07-7182	C-17A	437th AW	17 RCH495
62-3518	KC-135R	72nd ARS AFRC	04 RCH678	07-7189	C-17A	437th AW	14 RCH425
04.2601	L-410UVP	242 tsl	CEF126	05-0932	C-40C	73rd AS AFRC	Spar15
04-4130	C-17A	305th AMW	05 RCH525	14.01	C-17A	HAW	Bartok51
04-4133	C-17A	305th AMW	RCH407	C-215	CL-604	Esk 721	DAF6935
06-6167	C-17A	436th AW	05 RCH413	93-0603	C-17A	89th AS AFRC	16 RCH523
08-8194	C-17A	62nd AW	05 Bandage01/RCH457	96-0005	C-17A	137th AS NY ANG	17 RCH805
62-3551/D	KC-135R	351st ARS	05 Quid12	96-0006	C-17A	167th AS WV ANG	RCH556
05.Z21121	C-130J-30	21sq	TUN55	00-0172	C-17A	156th AS NC ANG	18 RCH211/145
87-0029	C-5M	60th AMW	07 RCH427	01-0192	C-17A	137th AS NY ANG	RCH518
02-1100	C-17A	155th AS TN ANG	06 RCH466	02-1111	C-17A	62nd AW	Bandage01/RCH911
03-3113	C-17A	183rd AS MS ANG	06 RCH620	06-6166	C-17A	436th AW	15 RCH405
06-6167	C-17A	436th AW	06 RCH413	07-7181	C-17A	437th AW	15 RCH802
62-3551/D	KC-135R	351st ARS	06 Quid12	15.01	C-17A	HAW	16 Bartok51
165833	C-40A	VR-59	06 CNV6602	85-0007	C-5M	436th AW	16 RCH426
165352/NY	KC-130T	VMGR-452	07 Yanky94	99-0169	C-17A	437th AW	16 RCH526
06.2601	L-410UVP	242 tsl	CEF127	03-3114	C-17A	183rd AS MS ANG	16 RCH465
82-0191	KC-10A	60th AMW	07 RCH627	07-7189	C-17A	437th AW	16 RCH425
01-0188	C-17A	137th AS NY ANG	07 RCH983	10-0219	C-17A	62nd AW	19 RCH280
02-1107	C-17A	156th AS NC ANG	07 RCH245	12-9506	E-11A	430th EECS	16 Velcro4
03-3113	C-17A	183rd AS MS ANG	08 RCH620	16.ZM402/402	Atlas C1	24/70sq	RRR4540/4541
08-8190	C-17A	437th AW	07 RCH814	98-0056/AK	C-17A	517th AS AK ANG	17 RCH665
165833	C-40A	VR-59	CNV6605	01-0187	C-17A	62nd AW	17 RCH978
62-3551/D	KC-135R	351st ARS	07 Quid12	03-3125	C-17A	305th AMW	21 RCH976
07.ZE707	BAe146 CC3	32sq	08 RRR1907	05-5146/HH	C-17A	535th AS	18 RCH492
ZZ178	C-17A	99sq	RRR6736	10-0223	C-17A	437th AW	20 RCH211/109
Z21121	C-130J-30	21sq	TUN56	97-00105	UC-35A	E/1-214th AVN	Duke61
79-1710	KC-10A	305th AMW	08 RCH746	60-0314	KC-135R	72nd ARS AFRC	22 RCH557
00-0178	C-17A	89th AS AFRC	08 RCH412	17.87-0031	C-5M	337th AS AFRC	18 RCH148
00-0183	C-17A	156th AS NC ANG	08 RCH970	03-3118	C-17A	183rd AS MS ANG	21 RCH521/151
01-0188	C-17A	137th AS NY ANG	08 RCH983	03-3126	C-17A	305th AMW	18 RCH220
03-3125	C-17A	305th AMW	08 RCH976	18.96-0002	C-17A	437th AW	20 RCH205
07-7169	C-17A	436th AW	08 RCH980/420	03-3114	C-17A	183rd AS MS ANG	19 RCH465
07-7187	C-17A	437th AW	RCH607	165831	C-40A	VR-59	CNV6618
08-8190	C-17A	437th AW	08 RCH814	19.94-0065	C-17A	155th AS TN ANG	20 RCH931
165158/CW	C-130T	VR-54	CNV6507	00-0172	C-17A	156th AS NC ANG	21 RCH145
08.RF-85655	Tu-154M	Russian AF/Open Skies	*	03-3126	C-17A	305th AMW	20 RCH220
86-0026	C-5M	60th AMW	10 RCH563	20.07-7174	C-17A	436th AW	21 RCH551
87-0030	C-5M	60th AMW	09 RCH213	07-7181	C-17A	437th AW	23 RCH861/814
99-0058	C-17A	62nd AW	09 RCH141	07-7183	C-17A	437th AW	21 RCH558
00-0178	C-17A	89th AS AFRC	09 RCH412	08-8194	C-17A	62nd AW	21 RCH746
04-4138	C-17A	729th AS AFRC	09 RCH599	10-0219	C-17A	62nd AW	21 RCH280
07-7178	C-17A	437th AW	09 RCH630	10-0220	C-17A	62nd AW	RCH1125
07-7185	C-17A	437th AW	RCH967	10-0223	C-17A	437th AW	22 RCH109/861
09-9209	C-17A	62nd AW	10 RCH933	21.ZE700	BAe146CC2	32(TR)sq	RRR1921
10-0223	C-17A	437th AW	RCH547/639	111/XM	TBM-700A	ET00.043	CTM3881
02-5001	C-32B	150th SOS NJ ANG	RCH589	83-1285	C-5M	436th AW	22 RCH310
09.96-0005	C-17A	137th AS NY ANG	10 RCH147	00-0183	C-17A	156th AS NC ANG	24 RCH410
00-0176	C-17A	155th AS TN ANG	10 RCH436	02-1101	C-17A	758th AS AFRC	22 RCH830
00-0183	C-17A	156th AS NC ANG	11 RCH970/157	10-0215	C-17A	437th AW	22 Bandage35/RCH595
08-8190	C-17A	437th AW	RCH814	05-0932	C-40C	73rd AS AFRC	23 Spar15
165833	C-40A	VR-59	CNV6608	22.146/XR	TBM-700A	ET00.041	CTM3850
62-3517	KC-135R	6th ARW	10 RCH169	94-0069	C-17A	167th AS WV ANG	23 RCH166
10.07-7178	C-17A	437th AW	11 RCH630	02-1105	C-17A	62nd AW	25 RCH317/326





## Portugal

### Lajes, Azores

		October 2019	
03.90-0162	MC-130H	1st SOS	RCH1012
165151	C-20G	CFLSW Det Sigonella	Catbird1
-/404	P-3C	nb	PC404
158222	P-3C	VP-40	04 QE222
160287	P-3C	VP-40	04 QE287
162318	P-3C	VP-40	04 QE318
04.57-1493/D	KC-135R	351st ARS	* Quid53
06.1289/SU-BAV	C-130H	4sq/16sq	07 EGY1120
07.165151	C-20G	CFLSW Det Sigonella	Catbird1
162773	P-3C	VP-40	08 QE773
162776	P-3C	VP-40	08 QE776
08.177703	CC-177	429sq	10 CFC4009
C-168	CL-604	Esk721	09 DAF6634
01-0029	C-37A	76th AS	Valor29
10.CH03	C-130H	20sq	11 BAF648
MM62196/46-62	C-130J	2°Gr TM	11 IAM4600
79-1711	KC-10A	305th AMW	11 Blue31
83-0080	KC-10A	60th AMW	11 Blue41
11.1290/SU-BAV	C-130H	4sq/16sq	13 EGY1120
62-3515	KC-135R	108th ARS IL ANG	12 Blue32
58-0021	KC-135R	132nd ARS ME ANG	15 Blue42
13.2005	HC-130J	USCG	C2005
14.CN-AOJ	C-130H	Esc de Transporte	RMAF217
15.96-6042	CN235M-100	427th SOS	RCH54
16.12-3085	C-146A	910t SOW AFRC	17 RCH1043
17.83-0077	KC-10A	60th AMW	Blue71
86-0033	KC-10A	60th AMW	Blue61
165002/WL-07	AV-8B	VMA-311	19 Mazda21-23
165311/WL-311	AV-8B	VMA-311	19 Mazda11-14
165420/WL-03	AV-8B	VMA-311	19 Mazda21-23
165382/WL-12	AV-8B	VMA-311	19 Mazda11-14
165573/WL-02	AV-8B	VMA-311	19 Mazda11-14
165579/WL-06	AV-8B	VMA-311	21 Mazda11-14
165580/WL-15	AV-8B	VMA-311	21 Mazda21-23
17.79-1711	KC-10A	305th AMW	Blue81
07-7178	C-17A	305th AMW	19 RCH299
164571/WL-08	AV-8B	VMA-311	Mazda31-34
165583/WL-14	AV-8B	VMA-311	21 Mazda31-34
165427/WL-04	AV-8B	VMA-311	Mazda31-34
165567/WL-11	AV-8B	VMA-311	19 Mazda31-34
169226/QB	KC-130J	VMGR-352	18 Raider16
18.169226/QB	KC-130J	VMGR-352	21 Raider16
83-0077	KC-10A	60th AMW	Blue71
140101	CP-140	RCAF	19 CFC0487
15005	CC-150	437sq	19 CFC4359
188767/YO-L	CF-18A	401sq	19 CFC0200/201
188927	CF-18B	401sq	19 CFC0200/0201
20.140101	CP-140	RCAF	25 CFC0487
CN-AOJ	C-130H	Esc de Transporte	21 RMAF217
130612	CC-130J	436sq	21 CFC4246
79-1711	KC-10A	305th AMW	Blue81
23.54+09	A400M	LTG62	24 GAF499
4166	C-130E	6sq/21sq	24 PAAF922
00-1934	EC-130J	193rd SOS PA ANG	RCH1024
26.83-0080	KC-10A	60th AMW	28 Blue01
27.1292/SU-BEY	C-130H	4sq/16sq	EGY1121
4177	C-130E	6sq/21sq	28 AAF922
28.61-0323	KC-135R	(22nd ARW)	29 Blue92
29.1291/SU-BEX	C-130H	4sq/16sq	30 EGY1519
1292/SU-BEY	C-130H	4sq/16sq	30 EGY1121
422/F-RADB	A310	ET03.060	CTM1023
November 2019			
01.61-0292/D	KC-135R	351st ARS	
02.15-3086	C-146A	524th SOS	RCH1049
05.01-0029	C-37A	76th AS	Valor29
06.1291/SU-BEX	C-130H	4sq/16sq	08 EGY1519
14-5789	MC-130J	15th SOS	07 RCH1005
07.ZH865/865	Hercules C4	24/47sq	08 RRR5710
73-1581/DM	EC-130H	355th Wg	Axis43
08.169533/BH	KC-130J	VMGR-252	09 Otis81
10.1292/SU-BEY	C-130H	4sq/16sq	11 EGY1122
165352/NY	KC-130T	VMGR-452	11 Yanky94
14.58-0100/D	KC-135R	351st ARS	16 Quid608

59-1513/D	KC-135R	351st ARS	16 Quid609
15.15002	CC-150	437sq	16 CFC196
1292/SU-BEY	C-130H	4sq/16sq	17 EGY1122
59-1470	KC-135R	6th ARW	17 RCH71
168860/LF	P-8A	VP-16	16 Talon89
16.165831	C-40A	USN	CNV6615
168860/LF	P-8A	VP-16	17 Talon89
17.130614	CC-130J-30	436sq	19 CFC4278
58-0001/D	KC-135R	351st ARS	19 Quid611
168860/LF	P-8A	VP-16	20 Talon89
1x	P-8A	VP-4	YD92
18.930	F-35I	116sq	20 Retro51/52
932	F-35I	116sq	20 Retro51/52
84-0187	KC-10A	60th AMW	20 Blue01
165158/CW	C-130T	VR-54	19 CNV6518
1x	P-8A	VP-4	20 YD91
19.96-6042	CN235M-200	427th SOS	23 RCH54
11-3097	C-146A	524th SOS	RCH1041
168851/YD	P-8A	VP-4	YD851
20.4178	C-130E	6sq/21sq	21 PAAF928
92-0547	C-130H	192nd AS NV ANG	
15-5811	AC-130J	73rd SOS	22 RCH1004
168755/YD	P-8A	VP-4	22 YD90
169325/YD	P-8A	VP-4	23 YD325
21.G-275	C-130H-30	336sq	22 NAF30
G-781	C-130H	336sq	22 NAF35
G-988	C-130H	336sq	22 NAF39
92-0547	C-130H	192nd AS NV ANG	23 RCH101
58-0001/D	KC-135R	351st ARS	Quid44
96-6044	CN235M-200	427th SOS	23 RCH57
165349/CW	C-130T	VR-54	CNV3784
169426/YD	P-8A	VP-4	dep YD426
22.58-0009	KC-135R	126th ARS WI ANG	23 RCH202
166693	C-40A	USN	CNV4662
165831	C-40A	USN	23 CNV6622
165158/CW	C-130T	VR-54	23 CNV6522
165378/JW	C-130T	VR-62	CNV3842
168755/YD	KC-130J	VMGR-252	23 Creep55
168757/YD	P-8A	VP-4	YD90
168757/YD	P-8A	VP-4	25 YD757
169426/YD	P-8A	VP-4	YD426
23.84-0126	C-21A	76th AS	24 Falcon39
96-6042	CN-235	427th SOS	26 RCH54
169426/YD	P-8A	VP-4	24 YD426
169325/YD	P-8A	VP-4	24 YD325
24.4178	C-130E	6sq/21sq	25 PAAF928
165158/CW	C-130T	VR-54	CNV3158
169426/YD	P-8A	VP-4	27 YD426
169325/YD	P-8A	VP-4	25 YD325
168755/YD	P-8A	VP-4	26 YD90
1x	P-8A	VP-4	27 YD851
25.165159/CW	C-130T	VR-54	CNV6524
26.165831	C-40A	USN	27 CNV6726
168757/YD	P-8A	VP-4	27 YD757
168755/YD	P-8A	VP-4	27 YD90
169325/YD	P-8A	VP-4	27 YD325
169325/YD	P-8A	VP-4	28 YD325
169426/YD	P-8A	VP-4	28 YD426
28.4153	C-130E	6sq/21sq	29 PAAF930
168757/YD	P-8A	VP-4	YD757
168755/YD	P-8A	VP-4	29 YD90
168851/YD	P-8A	VP-4	YD851
169426/YD	P-8A	VP-4	29 YD426
169325/YD	P-8A	VP-4	YD325
168851/YD	P-8A	VP-4	YD851
169426/YD	P-8A	VP-4	30 YD426
169325/YD	P-8A	VP-4	30 YD325
30.1165159/CW	C-130T	VR-54	CNV6529
169325/YD	P-8A	VP-4	YD325
168757/YD	P-8A	VP-4	YD757
169426/YD	P-8A	VP-4	YD426

## United Kingdom

		October 2019	
Brize Norton			
03.ZJ221	Apache AH1	AAC	
04.XX191	Hawk T1A	100sq	Pirate25



03.ZK321	Typhoon FGR4	arr LOS15	arr TMU	12.69-0024	C-5M	436th AW	27 RCH614/106
04.1x	F-35B	Marham Wg	*	18.09-5713	MC-130J	67th SOS	Strix31
ZK437	Typhoon FGR4	WTN69	delivery	22.86-0015	C-5M	337th AS AFRC	RCH106/614
07.ZM313	Prefect T1	3FTS	CWL51	27.32	Falcon 10MER	57S	* FNY050
09.ZM521	Juno HT1	DHFS	SYS65	30.83-1285	C-5M	436th AW	RCH394
10.G-IASA	Beech B200	Cobham	CLB499	<u>Credits:</u> MAR, Scramble messageboard.			
15.ZK302/302	Typhoon FGR4	for Lossie Wg	LOS31	Farnborough			
17.91-0355/LN	F-15E	48th FW	* Railer14	October 2019			
22.ZK360/360	Typhoon FGR4		LOS14	01.A6-HHH	G650	Gvmt of Dubai	06 DUB15
23.ZK353/353	Typhoon FGR4		LOS14	03.A6-HEH	B737-8AJ	Gvmt of Dubai	17 DUB6
24.ZK424/424	Typhoon FGR4	arr 3sq	LOS17	07.A6-HHH	G650	Gvmt of Dubai	12 DUB15
28.ZM529	Juno HT1	DHFS	SYS107	A9C-BHR	G450	Gvmt of Bahrain	08 BAH4
29.ZJ950/950	Typhoon FGR4	Lossie Wg	e/ RRR9671	14.A9C-BAH	G650	Gvmt of Bahrain	22 BAH6
30.ZK424/424	Typhoon FGR4	del flight	LOS15	20.(02)-01863	C-37A	USAPAT	22 PAT63
31.ZK323/323	Typhoon FGR4	Lossie Wg	RRR9673	21.9K-GGA	G650	Gvmt of Kuwait	arr KUG8068
November 2019				22.A6-SHJ	A320-232	Gvmt of Sharjah	25 SHJ01
04.ZE700	BAe146 CC2	32(TR)sq	RRR1363	23.FAB2585	VC-99B	GTE	25 BRS076
08.ZK424/424	Typhoon FGR4	dep	LOS38	26.A6-HRS	B737-7E0	Gvmt of Dubai	27 DUB4
11.G-FFMV	DA42	Cobham	13 Nighthawk	27.A6-SHJ	A320-232	Gvmt of Sharjah	11 SHJ01
12.XX242	Hawk T1	RAFAT	* Red	28.A6-AUH	B737-8EX	Gvmt of Dubai	29 AUH08
XX278	Hawk T1	RAFAT	* Red5	November 2019			
XX319	Hawk T1	RAFAT	* Red2	03.A6-HEH	B737-8AJ	Gvmt of Dubai	04 DUB6
13.ZM145	F-35B	Marham Wg	* MRH101	A6-HHH	G650	Gvmt of Dubai	04 DUB15
ZM152	F-35B	Marham Wg	* MRH91	07.A6-MRM	B737-8EC	Gvmt of Dubai	08 DUB5
15.ZM317	Prefect T1	3FTS	* CWL69	08.A6-HEH	B737-8AJ	Gvmt of Dubai	14 DUB6
18.91-0313/LN	F-15E	494th FS	* Claw13/14	A6-HHH	G650	Gvmt of Dubai	10 DUB15
91-0317/LN	F-15E	494th FS	* Claw13/14	13.A9C-BAH	G650	Gvmt of Bahrain	19 BAH6
21.91-0332	F-15E	48th FW	* Slam31/32	04-01778	C-37B	USAPAT	15 PAT78
00-2004/LN	F-15E	48th FW	* Slam31/32	14.9K-GGB	G650	Gvmt of Kuwait	arr KUG8069
<u>Credits:</u> MAR, Scramble messageboard.				A9C-BHR	G450	Gvmt of Bahrain	15 BAH4
Fairford	October 2019			19.A6-HEH	B737-8AJ	Gvmt of Dubai	20 DUB5
04.80-1083	U-2S	99th RS	25 Dragon31/81	25.FAB2585	VC-99B	GTE	26 BRS091
08.87-0039	C-5M	337th AS AFRC	RCH551	26.A6-MRM	B737-8EC	Gvmt of Dubai	27 DUB5
10.60-0024	B-52H	20th BS	tdy dep 12.12 Brig02/01	<u>Credits:</u> MAR, Scramble messageboard.			
60-0025/LA	B-52H	20th BS	tdy dep 08.12 Brig03/02	Lakenheath			
60-0028/LA	B-52H	96th BS	tdy dep 08.12 Brig04/03	01.08-8192	C-17A	62nd AW	October 2019
61-0006/LA	B-52H	96th BS	tdy dep 08.12 Brig01	N86	CL-601	FAA	RCH293/319
22.07-7182	C-17A	437th AW	RCH1815	07.08-3176/RS	C-130J-30	37th AS	FLC86
23.87-0030	C-5M	60th AMW	* RCH605	87-0183/MO	F-15E	389th FS	HKY612
24.03-3126	C-17A	305th AMW	RCH739	87-0209/MO	F-15E	389th FS	10 Tabor11-16
26.86-0026	C-5M	60th AMW	* RCH260	87-0201/MO	F-15E	389th FS	11 Tabor11-16
November 2019				88-1667/MO	F-15E	389th FS	10 Tabor11-16
05.10-0223	C-17A	437th AW	RCH547	88-1705/MO	F-15E	389th FS	10 Tabor11-16
06.68-10337	U-2S	99th RS	arr Dragon86	88-1707/MO	F-15E	389th FS	12 Tabor11-16
07.GZ100	AW-109SP	32(TR)sq	RRR1301	09.87-0198/MO	F-15E	389th FS	11 Tabor21-26
10-0223	C-17A	437th AW	RCH547	87-0202/MO	F-15E	389th FS	11 Tabor21-26
97-00102	UC-35A	E/1-214th AVN	Duke89	87-0210/MO	F-15E	389th FS	10 Tabor21-26
				88-1678/MO	F-15E	389th FS	11 Tabor21-26



The boys from Illinois visited Prestwick airport with this KC-135R 61-0300 from 108th ARS. (23 September 2019, Jan Zocher)

89-0506/MO	F-15E	389th FS	10 Tabor21-26
90-0227/MO	F-15E	389th FS	12 Tabor21-26
10.87-0169/MO	F-15E	389th FS	12 Tabor31-36
87-0170/MO	F-15E	389th FS	12 Tabor31-36
87-0173/MO	F-15E	389th FS	11 Tabor31-36
87-0204/MO	F-15E	389th FS	11 Tabor31-36
87-0208/MO	F-15E	389th FS	12 Tabor31-36
88-1699/MO	F-15E	389th FS	12 Tabor31-36
11.10-0221	C-17A	437th AW	12 RCH525
87-0171/SJ	F-15E	4th FW	15 Trend41-46/64
87-0177/SJ	F-15E	4th FW	13 Trend41-46
87-0181/SJ	F-15E	4th FW	13 Trend41-46
87-0196/SJ	F-15E	4th FW	13 Trend41-46
87-0199/SJ	F-15E	4th FW	13 Trend41-46
88-1706/SJ	F-15E	4th FW	13 Trend41-46
12.10-0221	C-17A	437th AW	13 RCH525
13.01-0187	C-17A	62nd AW	14 RCH364
86-0187/SJ	F-15E	4th FW	20 Trend61-64
88-1670/SJ	F-15E	4th FW	15 Trend61-64
88-1700/SJ	F-15E	4th FW	15 Trend 61-64
89-0495/SJ	F-15E	4th FW	15 Trend61-64
14.10-0221	C-17A	437th AW	RCH525
15.03	C-17A	HAW	BRK53
16.03	C-17A	HAW	BRK53
94-0067	C-17A	137th AS NY ANG	17 RCH842
17.03-3127	C-17A	62nd AW	RCH289
87-0192/SJ	F-15E	4th FW	20 Trend51-56
89-0486/SJ	F-15E	4th FW	20 Trend51-56
89-0488/SJ	F-15E	4th FW	23 Trend51-56
89-0501/SJ	F-15E	4th FW	23 Trend51-56
89-0502/SJ	F-15E	4th FW	20 Trend51-56
19.85-0005	C-5M	436th AW	20 RCH549
88-1703/SJ	F-15E	335th FS	20 Trend65-66
89-0487/SJ	F-15E	335th FS	20 Trend65-66
26.60-0322	KC-135R	434th ARWAFRC	29 RCH343/Nacho81
28.07-8609/RS	C-130J-30	37th AS	HKY613

November 2019			
01.03	C-17A	HAW	BRK66
02.03	C-17A	HAW	04 BRK66
05.ZK561	Chinook HC6	7sq	SHF493
06.07-4635/RS	C-130J-30	37th AS	07 HKY732
07.ZK561	Chinook HC6	7sq	SHF537
12.11-0059	CV-22B	7th SOS	Knife73
13.06-6167	C-17A	436th AW	14 RCH491
E33/705-FJ	Alpha Jet E	EAC00.314	14 FAF6441-3
E110/705-AH	Alpha Jet E	EAC00.314	14 FAF6441-3
E114/705-RR	Alpha Jet E	EAC00.314	14 FAF6441-3
14.06-6167	C-17A	436th AW	15 RCH491
16.06-6167	C-17A	436th AW	17 RCH491
21.10-0219	C-17A	62nd AW	22 RCH332
25.97-8614/RS	C-130J-30	37th AS	E10E3

Credits: MAR, Scramble messageboard.

Lossiemouth			
October 2019			
01.ZH891	Chinook HC6A	27sq	18
ZH894	Chinook HC6A	27sq	18
ZH902	Chinook HC6A	27sq	18
ZH856	Merlin HM2	820sq	tdy 04.11
G-FRAF	Falcon 20ECM	Cobham	FRA97
10.ZK315/315	Typhoon FGR4	41sq	Rebel59
G-FRAJ	Falcon 20ECM	Cobham	FRA04/95
14.XX317/CU849	Hawk T1A	100sq	Pirate01
ZK554	Chinook HC6	7sq	18 Lifter1
G-FRAJ	Falcon 20ECM	Cobham	17 Broadway40/Rushton83
15.ZK557	Chinook HC6	7sq	18 SHF509/Lifter2
18.ZM333	Phenom T1	45sq	CWL40
20.G-GMAE	Beech B200	Gama	GMA473C
21.ZM337	Phenom T1	45sq	22 CWL44

November 2019			
01.G-FRAR	Falcon 20ECM	Cobham	07
11.ZH856	Merlin HM2		NAVY812
15.ZE701	BAe146 CC2	32(TR)sq	RRR1393
ZH862	Merlin HM2	814NAS	Tiger67
25.ZE700	BAe146 CC2	32(TR)sq	27 RRR1309
ZK382	Typhoon T3	29sq	26 Triplex61/Gunfighter71
28.ZM335	Phenom T1	45sq	CWL40

Credits: MAR, Scramble messageboard.

Mildenhall			October 2019
01.C-215	CL-604	Esk721	02 DAF6681
62-4132/OF	RC-135W	55th Wg	02 Olive56
64-14847/OF	RC-135U	55th Wg	dep Olive58
02.84-0192	KC-10A	305th AMW	RCH138
73-1585/DM	EC-130H	355th Wg	dep Axis41
60-0362	KC-135R	22nd ARW	03 RCH678
57-1459	KC-135R	336th ARS AFRC	03 RCH614
03.02-1110	C-17A	62nd AW	04 RCH747
09-5711	MC-130J	27th SOW	04 RCH1032
04.84-00156	C-12U-3	E/1-214th AVN	* Duke23
05.73-1594/DM	EC-130H	355th Wg	06 Axis25
08-8202	C-17A	62nd AW	06 RCH777
07.525	KC-135RG	GRV02.091 tdy	11 FAF4018/Merlin25
60-0362	KC-135R	22nd ARW	08 RCH199
87-0122	KC-10A	305th AMW	10 Gold63
97-00105	UC-35A	E/1-214th AVN	* Duke77
08.ZM402/402	Atlas C1	24/70sq	* Comet477
87-0039	C-5M	337th AS AFRC	09 RCH551
58-0016	KC-135R	92nd/141st ARW	09 RCH696
80-1083	U-2S	99th RS	* Dragon01
166472	KC-130J	VMGR-252	* Bronco32
09.84-0186	KC-10A	305th AMW	11 Gold63
84-00156	C-12U-3	E/1-214th AVN	2x Duke31
10.83-0082	KC-10A	305th AMW	11 RCH305
79-1950	KC-10A	60th AMW	12 Gold83
59-1508	KC-135R	92nd/141st ARW	11 RCH612
11.87-0122	KC-10A	305th AMW	13 Roma91
84-0126	C-21A	76th AS	Valor11
12.62-3528	KC-135R	77th ARS AFRC	tdy 26 RCH157
13.79-1950	KC-10A	60th AMW	15 Roma11
15.525	KC-135RG	GRV02.091	16 Merlin25/FAF4019
ZZ173	C-17A	99sq	* RRR840
58-0118	KC-135R	92nd/141st ARW	18 RCH555
16.87-0030	C-5M	60th AMW	20 RCH605
86-0037	KC-10A	60th AMW	18 Gold01
84-0126	C-21A	76th AS	* Valor21
84-00165	C-12U-3	E/1-214th AVN	* Duke23
17.ZM335	Phenom T1	45sq	* Cranwell43
83-0078	KC-10A	60th AMW	18 Gold11
62-3578	KC-135R	141st ARSNJANG	20 Gold21/Roma02
18.85-0005	C-5M	436th AW	RCH527
19.86-0037	KC-10A	60th AMW	20 Gold11/Roma01
59-1511	KC-135T	92nd/141st ARW	20 RCH103
N8200R	RO-6A	US Army	20 Grizzly46
20.86-0035	KC-10A	305th AMW	21 Gold91
85-0034	KC-10A	305th AMW	25 Gold97
21.11-5736	C-130J-30	37th AS	Herky725
22.86-0035	KC-10A	305th AMW	23 Gold91/Roma11
23.86-0038	KC-10A	60th AMW	24 RCH981
58-0023	KC-135R	191st ARS UT ANG	24 RCH550
80-1083	U-2S	99th RS	Dragon09
24.79-0434	KC-10A	305th AMW	26 Roma31
27.87-0043	C-5M	337th AS AFRC	28 RCH966
29.60-0322	KC-135R	72nd ARS AFRC	arr Nacho81
164998	C-130T	VR-53	CNV3502
30.ZJ691	Sentinel R1	5sq	* Snapshot1
08-8195	C-17A	62nd AW	31 RCH731
31.58-0071	KC-135R	6th ARW	arr RCH061
November 2019			
01.T-235	KDC-10	334sq	* NAF63
58-0071	KC-135R	6th ARW	dep RCH061
04.85-0034	KC-10A	305th AMW	05 RCH445
06.ZZ178/178	C-17A	99sq	* RRR814
07.86-0036	KC-10A	305th AMW	08 RCH531
08.86-0178/LN	F-15C	493rd FS	* Scoff01
86-0171/LN	F-15C	493rd FS	* Scoff02
17-5876	MC-130J	9th SOS	09 RCH1031
60-0322	KC-135R	72nd ARS AFRC	dep
09.60-0349	KC-135R	77th ARS AFRC	tdy 23 RCH347
10.61-0311	KC-135R	92nd/141st ARW	11 RCH140
12.ZZ173/173	C-17A	99sq	* RRR814
86-0036	KC-10A	305th AMW	19 RCH531/Roma11
13.ZJ691	Sentinel R1	5sq	Snapshot1

58-0035	KC-135R	92nd/141st ARW	14 RCH177	07-7169	C-17A	436th AW	04 RCH937
14.16-46017	KC-46A	22nd ARW	15 RCH046	168997/PD	P-8A	VP-9	10 PD059/Rider59
07-8614/RS	C-130J-30	37th AS	Herky724	169426/YD	P-8A	VP-4	18 VVYD07
16.13-5770	MC-130J	9th SOS	RCH1030	04.XX161	Hawk T1A	736NAS	17 Kraken45
63-8871	KC-135R	92nd/141st ARW	17 RCH467	XX239/CU842	Hawk T1W	736NAS	17 Kraken41/43
17.03-3126	C-17A	305th AMW	RCH220	XX256/CU846	Hawk T1A	736NAS	17 Kraken43/Spider form
18.ZM337	Phenom T1	45sq	* Cranwell36	13-00282	MC-12S-V	15th MI Bn	05 Argus68
86-0033	KC-10A	60th AMW	19 Roma11/21	N95NA	G-V	NASA JSC	06 Nasa5
85-0033	KC-10A	60th AMW	arr Roma21	05.ZM402/402	Atlas C1	24/70sq	* RRR478
73-1595	EC-130H	355th Wg	27 Axis42/3	ZH001	Defender R2	651sq	* AAC523
19.09-0540	C-40C	73rd AS AFRC	20 Spar14	01-0187	C-17A	62nd AW	06 RCH331
59-1472	KC-135R	314th ARS AFRC	20 RCH333	05-5144	C-17A	729th AS AFRC	06 RCH452E
60-0323	KC-135R	314th ARS AFRC	20 RCH334	05-5153/HH	C-17A	535th AS HI ANG	RCH310
63-8020	KC-135R	22nd ARW	20 RCH222	07-7189	C-17A	437th AW	RCH806
20.ZM335	Phenom T1	45sq	* Cranwell43	06.ZZ337	Voyager KC3	10/101sq	07 RRR2301/2788
84-0185	KC-10A	60th AMW	21 RCH547	08-8202	C-17A	62nd AW	RCH777
57-1483	KC-135R	92nd/141st ARW	21 RCH979	164597/RU	C-130T-30	VR-55	CNV6606
60-0356	KC-135R	22nd ARW	21 RCH198	07.KAF327	KC-130J	41sq	dep KAF3202
60-0360	KC-135R	92nd/141st ARW	21 RCH175	ZJ164	AS365N2	FOST	Broadway04
21.ZZ177/177	C-17A	99sq	* RRR840	98-0057	C-17A	137th AS NY ANG	RCH330
17-0080	A400M	221Filo	22 TUAFA406	01-0191	C-17A	436th AW	08 RCH647
87-0124	KC-10A	305th AMW	22 RCH707	A7-HHE	B-747-800	Gvmt of Qatar	11 QAF1
60-0331	KC-135R	314th ARS AFRC	22 RCH181	08.130614	CC-130J-30	436sq	09 CFC2519
62-3529	KC-135R	314th ARS AFRC	22 RCH336	166695	C-40A	VR-61	09 CNV4181E
22.11-5736/RS	C-130J-30	37th AS	Herky736	ZH847/CU66	Merlin HM2	820NAS	dep Dolphin72
23.85-0005	C-5M	436th AW	RCH311	84-0126	C-21A	76th AS	Valor42
64-14835	KC-135R	336th ARS AFRC	arr tdy RCH223	165833	C-40A	VR-59	09 CNV4224
26.ZM336	Phenom T1	45sq	* Cranwell31	169008/YD	P-8A	VP-4	13 VVYD09
ZM337	Phenom T1	45sq	* Cranwell33	169325/YD	P-8A	VP-4	17 VVYD22/85
17-0080	A400M	221Filo	27 TUAFA406	11.140118	CP-140	14Wg	18 CFC0486/480
64-14845/OF	RC-135V	55th Wg	27 Olive57	ZH828/CU68	Merlin HM2	814NAS	15 Tiger62
84-00162	C-12U-3	E/1-214th AVN	Duke31	12.ZJ164	AS365N2	FOST	Broadway04
				ZH894	Chinook HC6A	27sq	Onslaught02
				07-7177	C-17A	436th AW	14 RCH715
				13.15003	CC-150	437sq	CFC4107
				ZH847/CU66	Merlin HM2	820NAS	Dolphin72
				83-0076	KC-10A	60th AMW	RCH137
				97-0047	C-17A	437th AW	RCH348
				169008/YD	P-8A	VP-4	VVYD99
				14.KAF343	C-17A	41sq	16 KAF3212
				ZZ173/173	C-17A	99sq	* RRR829
				90-0534	C-17A	437th AW	18 RCH166
				15.ZH847/CU66	Merlin HM2	820NAS	Dolphin72
				95-00123	UC-35A	E/1-214th AVN	* Duke28
				16.XX324	Hawk T1A	736NAS	17 Kraken52
				84-00165	C-12U-3	E/1-214th AVN	Duke23
				03-3125	C-17A	305th AMW	RCH223
				17.130611	CC-130J-30	436sq	18 CFC2545
				84-00484	C-12U-3	OHAWOM	19 PAT396
				84-00487	C-12U-3	OHAWOM	19 PAT394
				18.KAF343	C-17A	41sq	20 KAF3212
				ZM402/40	Atlas C1	24/70sq	* Comet468
				03-3116	C-17A	183rd AS MS ANG	19 RCH202W
				62-3553	KC-135R	6th ARW	20 RCH155
				69325/YD	P-8A	VP-4	VVYD09
				19.03-3125	C-17A	305th AMW	21 RCH744
				06-6162	C-17A	60th AMW	RCH548
				07-7186	C-17A	437th AW	20 RCH803
				10-0221	C-17A	437th AW	20 RCH185
				20.62-3578	KC-135R	141stARS NJANG	21 Roma02/Gold21
				168851/YD	P-8A	VP-4	VVYD21
				21.ZM402/402	Atlas C1	24/70sq	* RRR470
				84-0087	C-21A	76th AS	Valor21
				06-6159	C-17A	60th AMW	22 RCH736
				22.90-0534	C-17A	437th AW	RCH439
				03-3115	C-17A	183rd AS MS ANG	23 RCH172
				84-00149	C-12T	OHAWOM	24 PAT400
				G-CGKE/KE	Tutor T1	UGSAS	UAJ38
				G-CGKU/KU	Tutor T1	UGSAS	UAJ39
				23.95-00090	C-12R1	6-52nd AVN	25 PAT394
				03-3117	C-17A	183rd AS MS ANG	RCH342
				24.ZM402/402	Atlas C1	24/70sq	* Comet472
				ZH847/CU66	Merlin HM2	814NAS	29 Tiger70
				ZJ950/950	Typhoon FGR4	9sq	* Lossie77
				ZZ331	Voyager K2	10/101sq	RRR2803
				99-0166	C-17A	62nd AW	25 RCH425

Credits: MAR, Scramble messageboard.

Northolt

07.GZ100 AW-109SP 32(TR)sq  
08.ZA936 Puma HC2 Benson Wg

October 2019

SHF245

November 2019

07.V-11 G-IV 334sq  
08.168204 UC-12W VMR-4  
15.ZH889/889 Hercules C5 24/47sq  
18.252 CN235M-100 101sq  
20.ZJ191 Apache AH1 AAC  
ZJ230 Apache AH1 AAC  
24.ZZ177/177 C-17A 99sq  
ZH889/889 Hercules C5 24/47sq  
PH-PXZ AW-139 Dutch Police  
25.13-08134 CH-47F B/1-214th AVN tdy Grit13  
13-08432 CH-47F B/1-214th AVN tdy Grit11  
13-08436 CH-47F B/1-214th AVN tdy Grit12  
13-08437 CH-47F B/1-214th AVN tdy Grit14  
28.01-0193 C-17A 437th AW RCH388  
163259 VH-60N HMX-1 tdy a/f in  
29.03-3126 C-17A 305th AMW RCH390  
163264 VH-60N HMX-1 tdy a/f in

Prestwick

01.130344 CC-130H 413sq  
130603 CC-130J-30 436sq  
140104 CP-140 405sq  
140116 CP-140 405sq  
ZM415/415 Atlas C1 24/70sq  
ZE701 BAe146 CC2 32(TR)sq  
ZZ331 Voyager K2 10/101sq  
97-0046 C-17A 437th AW  
10-0221 C-17A 437th AW RCH255  
58-0054 KC-135T 171st ARW PA ANG dep RCH804  
58-0117 KC-135T 171st ARW PA ANG dep RCH431  
02.140118 CP-140 405sq 04 CFC0483  
ZM411 Atlas C1 24/70sq \* RRR471  
ZZ331 Voyager K2 RRR2704/2705  
07-7182 C-17A 437th AW 04 RCH204  
01-0029 C-37A 76th AS Valor29  
168755/YD P-8A VP-4 03 VVYD02/YD96  
03.17 ATL2 23F 11 FNY5115  
28 ATL2 23F 15 FNY5280  
03-3119 C-17A 183rd AS MS ANG RCH552

25. 140101	C-17A	62nd AW	25 RCH150	11. ZH856	Merlin HM2	814NAS	Navy812
15005	CP-140	405sq	27 CFC0487	ZZ330	Voyager K2	10/101sq	RRR2100
188734/YO-H	CC-150T	437sq	27 CFC4359	06-6162	C-17A	60th AMW	12 RCH160
188766/YO-Q	CF-188A	401TFS	27 CFC0202	09-9209	C-17A	62nd AW	12 RCH933
1888927	CF-188A	401TFS	27 CFC0202	84-0085	C-21A	76th AS	Falcon99
94-00315	CF-188B	410TFS	27 CFC0202	84-00319	C-12R-1	6-52nd AVN	12 PAT400
84-0126	C-12R-1	6-52nd AVN	29 PAT396	92-13122	RC-12X	D/204th Mi Bn	Argus52
99-0166	C-21A	76th AS	Valor11	12. 164597/RU	C-130T-30	VR-55	CNV3665
07-7181	C-17A	62nd AW	26 RCH737	ZM402/402	Atlas C1	24/70sq	* Comet451
91-1231	C-17A	437th AW	RCH795	ZE707	BAe146 C3	32(TR)sq	Northolt99
91-1234	C-130H	165th AS KY ANG	26 RCH446	ZH003	Defender R2	651sq	* AAC505
91-1234	C-130H	165th AS KY ANG	26 RCH430	ZZ343	Voyager K2	10/101sq	RRR2128
61-0307	KC-135R	459th AW AFRC	27 RCH459	G-ETPK	BAe146-RJ70	QinetiQ	Tester76
G-CGKE/KE	Tutor T1	UGSAS	* UAJ39	13. 91-1231	C-130H	165th AS KY ANG	14 RCH446
26. 144615	CC-144B	412sq	27 CFC3017	910502/502	C-26D	AOD Sigonella	14 CNV6213
02-1109	C-17A	62nd AW	27 RCH150	ZE707	BAe146 C3	32(TR)sq	Northolt12
07-7179	C-17A	60th AMW	27 RCH861	14. ZE701	BAe146 CC2	32(TR)sq	Northolt12
10-0219	C-17A	62nd AW	RCH230	ZE708	BAe146 C3	32(TR)sq	Northolt99
27. ZH868/868	Hercules C4	24/47sq	29 RRR201/222	ZM416/416	Atlas C1	24/70sq	* RRR465
ZH879/879	Hercules C4	24/47sq	RRR200	16-00397	RO-6A	US Army	16 Grizzly97
57-1427	KC-135R	117th ARS KS ANG	28 RCH154	15. ZH862	Merlin HM2	814NAS	Tiger67
28. 08-8193	C-17A	62nd AW	29 RCH534	05-5144	C-17A	729th AS AFRC	16 RCH226W
10-0219	C-17A	62nd AW	RCH230	84-0087	C-21A	76th AS	Valor11
29. 130617	CC-130J-30	436sq	CFC4246	165158/CW	C-130T	VR-54	CNV6512
ZH889/889	Hercules C5	24/47sq	RRR195	G-CGKU/KU	Tutor T1	UGSAS	* UAJ42
93-0603	C-17A	89th AS AFRC	30 RCH438	16. 06-6160	C-17A	60th AMW	RCH638
94-0069	C-17A	167th AS WV ANG	RCH711	84-0087	C-21A	76th AS	Valor21
06-6157	C-17A	60th AMW	30 RCH373	63-8022	KC-135R	92nd/141st ARW	RCH107
30. CH04	C-130H	20sq	01 BAF651	ZH847/CU66	Merlin HM2	814NAS	Tiger70
130613	CC-130J-30	436sq	CFC4270	17. ZG995	Defender R2	651sq	* AAC523
17	ATL2	23F	tdy FNY5118	18. 01-0189	C-17A	164th AS TN ANG	19 RCH664
KAF343	C-17A	41sq	KAF3203	08-8204	C-17A	437th AW	19 RCH560
ZK033/FI	Hawk T2	25sq	* VYT23	19. ZH001	Defender R2	651sq	* AAC503
ZH871/871	Hercules C4	24/47sq	RRR222	ZJ691	Sentinel R1	5sq	* Snapshot1
02-1106	C-17A	62nd AW	RCH560E	86-00082	C-12J	A/6-52nd AVN	Cats65
08-8192	C-17A	62nd AW	RCH612	20. ZH868/868	Hercules C4	24/47sq	* RRR137
10-0218	C-17A	62/446AW	RCH440	ZH847/CU66	Merlin HM2	814NAS	arr tdy Tiger70
			November 2019	G-ETPL	BAe146-RJ100	QinetiQ	Tester88
01. CH04	C-130H	20sq	dep BAF651	8400488	C-12T-3	2-228th AVN	Wing85
R225/64-GY	C-160R	ET01.064	CTM2035	21. 130611	CC-130J-30	436sq	22 CFC2520
ZM419/419	Atlas C1	24/70sq	* Comet468	01-0188	C-17A	137th AS NY ANG	25 RCH536
ZH871/871	Hercules C4	24/47sq	dep RRR222/249	01-0191	C-17A	436th AW	RCH980
02-1106	C-17A	62nd AW	dep RCH560	84-0087	C-21A	76th AS	Valor99
95-0105	C-17A	137th AS NY ANG	02 RCH267	25. ZZ335	Voyager KC3	10/101sq	RRR2136
03-3118	C-17A	183rd AS MS ANG	RCH302	93-00698	RC-12X	D/204th MI Bn	Argus37
02. KAF343	C-17A	41sq	dep KAF3203	13-5778	MC-130J	67th SOS	* Strix49
ZM413/413	Atlas C1	24/70sq	* RRR472	26. KAF343	C-17A	41sq	27 KAF3217
95-0105	C-17A	137th AS NY ANG	dep RCH267	84-0087	C-21A	76th AS	Valor11
07-7178	C-17A	437th AW	03 RCH743	62-3547	KC-135R	117th ARS KS ANG	27 RCH472W
10-0218	C-17A	62nd AW	dep RCH440	27. 01-0030	C-37A	76th AS	Valor30
03. 272	KC-707 Re'em	120sq	04 IAF079	93-00701	RC-12X	D/204th MI Bn	29 Grey22
02-1106	C-17A	62nd AW	04 RCH659	16-00276	RO-6A	US Army	Grizzly34
05-5147/HH	C-17A	535th AS HI ANG	04 RCH158	28. 15002	CC-150	437sq	CFC4189
10-0218	C-17A	62nd AW	04 RCH440	ZK017/H	Hawk T2	4sq	Obi1
04. ZZ334	Voyager KC3	10/101sq	RRR2278	ZK018/I	Hawk T2	4sq	Obi2
10-0215	C-17A	437th AW	05 RCH174	ZK020/K	Hawk T2	4sq	Ninja2
01-0029	C-37B	76th AS	Valor29	ZK025/FA	Hawk T2	25sq	Ninja1
05. KAF343	C-17A	41sq	06 KAF3210	ZZ343	Voyager K2	10/101sq	RRR2120
ZE708	BAe146 C3	32(TR)sq	Northolt12	29. 15002	CC-150T	437sq	30 CFC4190
06. 06-6156	C-17A	60/349AMW	07 RCH330	ZM407/407	Atlas C1	24/70sq	* Comet474/475
07. ZM407/407	Atlas C1	24/70sq	* RRR485	ZM336	Phenom T1	45sq	* Cranwell42
ZJ924/WS-J	Typhoon FGR4	9sq	* Lossie10	ZZ334	Voyager KC3	10/101sq	RRR334
ZZ334	Voyager KC3	10/101sq	RRR2218	G-CGKU/KU	Tutor T1	UGSAS	* UAJ42
00-0185/AK	C-17A	144th AS AK ANG	08 RCH237	97-00105	UC-35A	E/1-214th AVN	Duke36
01-0030	C-37A	76th AS	Valor29	165159/CW	C-130T	VR-54	CNV6529
12-5760	MC-130J	67th SOS	* Strix40	30. 168071/BH	KC-130J	VMGR-252	* Bronco31
12-5769/FT	HC-130J	71st RQS	08 King69				
08. 17	ATL.2	23F	30 FNY5118/Ulysses01	<u>Credits:</u> MAR, Scramble messageboard.			
R202/64-GB	C-160R	ET01.064	09 CTM2017	Stansted			October 2019
130610	CC-130J-30	436sq	CFC4270	02. 01-0040	C-40B	1st AS	03 SAM097
KAF343	C-17A	41sq	10 KAF3210	10-0223	C-17A	437th AW	RCH601
59-1464	KC-135R	92nd/141st ARW	RCH736	03. A40-OMN	B747-430	Gvmt of Oman	+13 ORF1
09. 06-6156	C-17A	60th AMW	10 RCH104	04. 9K-GBB	A340-541	Gvmt of Kuwait	KUG005
06-6162	C-17A	60th AMW	10 RCH698	05. YI-ASF	B737-81Z	Gvmt of Iraq	IAW04
91-1234	C-130H	165th AS KY ANG	10 RCH430	06. A6-HHH	G650	Gvmt of Dubai	DUB15
				08. A7-AAG	A320CJ	Gvmt of Qatar	QAF4
				A7-MBK	A320CJ	Gvmt of Qatar	

09.5N-FGU	Falcon 7X	Nigerian AF	NGR002	04.ZM145	F-35B	617sq	* MRH81
10.A9C-HMH	B-767-400	Gvmt of Bahrain	BAH3	ZK379	Typhoon FGR4	41sq	* Apollo11
9M-ZZZ	G650	Gvmt of Johore		09.ZJ193	Apache AH1	AAC	Hunter1
11.09-0540	C-40C	73rd AS AFRC	Spar11	10.ZJ213	Apache AH1	AAC	* Outlaw1
A7-HHJ	A319CJ	Gvmt of Qatar		ZH889/889	Hercules C5	24/47sq	RRR5514
12.ZZ337	Voyager KC3	10/101sq	RRR2745/2776	11.ZM142	F-35B	207sq	* MRH102
16.97-0400	C-37A	99th AS	SAM331	ZM143	F-35B	Marham Wg	* MRH67
17.MAN	C-17A	Qatar AF	LHOB246	14.ZM418/418	Atlas C1	24/70sq	RRR4021
558	G-IV	4sq	MJN585	17.ZM416/416	Atlas C1	24/70sq	RRR4059
23.558	G-IV	4sq	MJN585	18.ZG845	Islander R1	651sq	AA503
25.5N-FGZ	CL-605	Nigerian AF		G-BYUX	Tutor T1	EMUAS	UAH403
26.KAF343	C-17A	41sq	28 KAF3203	21.G-MAOL	AW-109SP	32(TR)sq	RRR1219
27.A4O-AJ	A319	Gvmt of Oman	ORF6	TE311	Spitfire	BoBMF	Spitfire96
31.97-0401	C-37A	99th AS	SAM268	XX337/CM	Hawk T1A	100sq	23 Savage2
				22.ZM144	F-35B	Marham Wg	* Doom1/2
				ZM145	F-35B	Marham Wg	* Doom1/2
				XX191	Hawk T1A	100sq	Pirate22
02.5N-FGT	B737BBJ	Nigerian AF	NGR001	22.XX191	Hawk T1A	100sq	23 Pirate22/Savage1
97-0401	C-37A	99th AS	SAM266	23.ZM145	F-35B	Marham Wg	* MRH85
04.1225	C-17A	UAE AF	05 Uniforce1225	24.G-MAOL	AW-109SP	32(TR)sq	RRR1305
07.MAM	C-17A	UAE AF	LHOB243	1x	Typhoon FGR4	29sq	* Warlord13
09.A6-AUH	B737-8EX	Gvmt of Abu Dhabi	AUH06	25.2x	F-15E	48th FW	* Harley31/32
18.99-0402	C-37A	99th AS	20 SAM514	28.ZZ191	Hunter F58	HHA	Scampton35/33
20.A7-MBK	A320CJ	Gvmt of Qatar		30.ZH865/865	Hercules C4	34/47sq	* RRR198
21.UR-ABA	A319CJ	Gvmt of Ukraine	UKN8207				
22.A4O-AD	G550	Gvmt of Oman	+28 ORF3				
04-4137	C-17A	305th AMW	RCH387	05.ZM141	F-35B	617sq	November 2019
23.06-6159	C-17A	60th AMW	+24,25 RCH112,103,113	ZM152	F-35B	617sq	* Ghost11
24.14+03	Global 5000	FBS BMVg	GAF613	G-FFMV	DA42	Cobham	* Ghost12
02	Gulfstream	550	+29 25 USCGC202	11.ZA683	Chinook HC6A	18sq	Knighthawk75
26.A7-HBJ	B-747-800	Gvmt of Qatar		13.GZ100	AW-109SP	32(TR)sq	+12,13 SHF397
14+02	Global 5000	FBS BMVg	GAF613	14.ZJ187	Apache AH1	AAC	RRR1381
06-6159	C-17A	60th AMW	RCH136	18.ZJ225	Apache AH1	664sq	Blade1
27.484	ERJ-135BJ	352Mira	HAF352H	91-0303/LN+1	F-15E	492nd FS	22 Viper2
28.A4O-OMN	B747-430	Gvmt of Oman	ORF1	G-FFMV	DA42	Cobham	* Brew51/2
30.83-1285	C-5M	436th AW	RCH394	19.ZK300/300	Typhoon FGR4	29sq	Knighthawk75
85-0008	C-5M	436th AW	RCH395	ZJ213	Apache AH1	664sq	* Typhoon310
163259	VH-60N	HMX-1	Nighthawk1/2	01-2003/LN	F-15E	494th FS	22 Viper1
163264	VH-60N	HMX-1	Nighthawk1/2	20.2x	F-15E	494th FS	* Dirty52
13-08436	CH-47F	1-214th AVN	Nighthawk3	ZZ177	C-17A	99sq	* Bolar13
13-08437	CH-47F	1-214th AVN	Nighthawk4	21.ZJ225	Apache AH1	AAC	* RRR830
13-08432	CH-47F	1-214th AVN	Nighthawk8	25.ZJ128/M	Merlin HC4	846NAS	29 Junglie450
				ZZ390	Wildcat AH1	667sq	Gangster
				26.ZE701	BAe146 CC2	32(TR)sq	RRR1327
				ZH879/879	Hercules C4	24/47sq	* RRR145
				XW213	Puma HC2	Benson Wg	SHF384
				27.65	EMB121AN	28F	CTM1782
				28.XW213	Puma HC2	Benson Wg	SHF384
				ZZ511	Wildcat AH1	1Regt	Valiant62

Credits: MAR, Scramble messageboard.

Waddington

02.ZA682	Chinook HC6A	28sq	October 2019
03.ZJ179	Apache AH1	4Regt	04 Pegasus1/SHF547
ZJ181	Apache AH1	4Regt	Gangster
ZJ184	Apache AH1	4Regt	Blade1/2
ZJ187	Apache AH1	4Regt	Blade1/2
ZD983	Chinook HC6A	18sq	AA441
XW220/K	Puma HC2	QinetiQ	SHF587
			Gauntlet37

Credits: MAR, Scramble messageboard.



Italian Tonkas are regular and popular TLP participants, like this MM7070/6-71, which participated in the 19-4 edition of this exercise. (Albacete, 19 November 2019, Jose Damian Gonzalez)



On 12 December 2019, the smallest member of the new Embraer E2-family, the E175-E2 made its first flight. (Embraer)

## Manufacturers News

### Bombardier

#### Global 5500/6500

The Federal Aviation Administration (FAA) certified the Global 5500 and 6500 on 23 December 2019. This hurdle overtaken it has cleared the type for delivery to the American market for both types. Transport Canada and the European EASA administration already certified both types earlier last year.

On the same date the first Global 6500 was delivered to Hong Kong based HK Bellawings, marking the start of a future Global 6500/7500 fleet of up to thirteen ultra large business jets.

### De Havilland Aircraft of Canada

#### DHC-8-400

In addition to the report in Scramble 487, the Dubai Airshow 2019 resulted in order commitments for 37 Dash 8s in total. Additional orders came from Russia (Aurora) and Aero Capital Limited (ACAI).

### Embraer

As stated already in Scramble 487, Embraer would perform its maiden flight on the Embraer 175-E2 in December 2019. The specific date became 12 December. On the route the aircraft flew from São José dos Campos to São Paulo, honouring

the Faria Lima production side for majority of the aircraft's components. The first flight launches a flight-test and certification campaign expected to last 24 months and will include two additional prototype aircraft.

At this moment Embraer expects the first customer for the EMB175-E2 to come outside Northern America, the market where the specifications for the smallest E2 jet were customised for. The current backlog shows orders for 44 EMB190-E2s and 124 EMB195-E2s.

### UAC

The first Superjet 100 equipped with the new sabrelet winglets has been delivered to Russian airline Severstal, on 20 December 2019. RA-89135 (c/n **95181**) was built at the KnAAPO facility at Dzygomi with a first flight on 16 January 2019. For Severstal this is the fourth Superjet 100 they received so far.

On 25 December 2019 the fourth MC-21-300 airliner prototype, registered 73056, took to the skies for its first flight. Out of their facility at Irkutsk a one hour and forty minutes test flight was successfully completed. This particular aircraft is the last prototype equipped with the western PW1400G engines. From prototype number five, currently in final assembly, the domestically developed PD-14 engines will be installed.

## Airliner News

### Europe

#### The Netherlands

On 19 December, **KLM** took delivery of their last new B737-800, registered PH-BCL. It arrived non-stop from Seattle (WA) at Schiphol. Nothing special, you may be thinking, but this plane is actually the very last ever produced commercial B737NG, so an important end of an era for the manufacturer.

#### Denmark

On 28 November, **SAS** took delivery of its first of eight Airbus A350-900s. The airline will start commercial operations with

the plane on 28 January. Until that time it will be flown on route-proving flights only. From 28 January, the A350 will first be deployed on flights to Chicago-O'Hare (IL). Later on routes will be added to Beijing, New York (NY), Shanghai, Tokyo, Hong Kong and San Francisco (CA).

#### France

The Air France-KLM Group ordered ten additional Airbus A350-900s for **Air France**. The airline has now ordered a total of 38 A350-900s, of which three have been delivered so far. Air France will use the ten extra planes to accelerate the phase-out of the A340-300s by 2021 and ensure enough capacity due

to the retirement of its A380s by 2022.

Latvia

Something to look out for when spotting as [airBaltic](#) has slightly modified its livery.

Malta

Air Transport World reported on 10 December that [Air Malta](#) is to expand the fleet with two A321XLRs. The airline plans to use the new planes to open new longhaul-destinations to India and to New York (NY). Air Malta plans to lease the two planes via Medair, which is also a Maltese state-owned airline. In turn, Medair plans to source the A321XLRs from a lessor.

Turkey

[AtlasGlobal](#) resumed operations on 21 December, after suspending all flights on 26 November. It used the period to downsize the fleet to just four airplanes (two A321s and two A330s) and shore up its finances. As of now the airline will mainly focus on charter-flights as well as few selected scheduled flights.

## Africa

Congo

[Congo Airways](#) has ordered two E175s. Both planes will be used to replace its current two DHC-8-400s. Deliveries are to start in Q4 2020. The airline, which was founded in 2015, also operates two A320s.

## Asia

Afghanistan

[Ariana Afghanistan](#) has sent out a request for proposal to manufacturers of turboprops in the fifty-seat range for two aircraft, so we should expect some offers going out for either ATR-42s, MA-60s or Dash 8s.

Hong Kong

Struggling [Hong Kong Airlines](#) has seen seven of its aircraft being impounded by the Airport Authority Hong Kong recently. This move was made by Hong Kong International Aviation Leasing, a major creditor of the aircraft, to protect its financial interests. In other words, if the airline goes down, so will be the case with the value of the aircraft. These aircraft were already parked for some time, as one third of the Hong Kong Airlines fleet is currently inactive.

Indonesia

[Garuda Indonesia](#) is apparently not happy with its young fleet of sixteen CRJ1000s, as it is silently planning to retire the CRJ from its fleet. To be continued.

Kazakhstan

Following the crash of one of their Fokker 100s (UP-F1007) on 27 December, the government immediately suspended the AOC of [Bek Air](#), as well as the Certificates of Airworthiness of their remaining Fokkers, effectively grounding the airline depending the outcome of the investigation.

Pakistan

[Pakistan International Airlines](#) is looking at acquiring between six and sixteen Sukhoi Superjets. Considering the plane's reputation, this story will be continued.

Taiwan

After already going bankrupt in 2008 and re-starting operations in 2011, [Far Eastern Air Transport](#) has ceased operations for real this time. With eleven B737-8s on order, the grounding of B737 MAX did not help the airline, as operating costs for the aging MD-80 fleet were creating big issues for continuation of the airline's operations.

Vietnam

At a ceremony at Charleston (SC) on 10 December, [Bamboo Airways](#) took delivery of its first B787-9. The aircraft is registered as VN-A819. It will first be deployed on domestic routes, before venturing to international destinations next year. The Vietnamese airline is expecting 32 Dreamliners, of which two will be leased. The other 30 were ordered directly with Boeing. Currently Bamboo Airways also operates one A319, eleven A320s, three A320neos, two A321-200s and four A321neos.

## Latin America

Argentina

[Norwegian Air Argentina](#) has been a short-lived adventure, as after 14 months of scheduled services, all operations have been taken over by JetSmart Airlines in December. All three B737-800s will return to Norway.

Chile

[SKY Airline](#) ordered ten A321neos for delivery from late 2023. With these A321s, the airline intends to grow its international presence, including services to Miami (FL), which will be possible, as the A321s are XLR versions.

Surinam

On 20 December, [Surinam Airways](#), officially took delivery of their B777, registered PZ-TCU. The plane arrived from Frankfurt where it was prepared for the airline. By the time you read this Scramble, the aircraft should be in service on the Paramaribo-Amsterdam route.



*Condor was formerly the German subsidiary of the UK Thomas Cook Group Plc. After the Thomas Cook bankruptcy, the group ceased operations on 23 September, but as a German owned airline Condor was able to continue operating its own services from its Frankfurt main base, Munich hub and secondary hubs at Berlin, Cologne, Dusseldorf, Hamburg and Stuttgart. In November the airline started to remove the Thomas Cook Sunny heart logo and replace it with the former Condor logo. Boeing 767-300ER D-ABUF was the first aircraft in the fleet to wear the new Condor livery. (Munich, 9 December 2019)*



This 25 year old United Boeing 757-200 was painted in special "Her Art Here" colours in September 2019. "Her Art Here", was a contest, created to promote underrepresented women artists by providing them with a chance to have their work painted not on a canvas but on an Boeing 757. In total two United 757s are painted in "Her Art Here" colours. Seen here is Boeing 757-200 N14102 which wears a scheme designed by New Jersey native Corinne Antonelli. The colour scheme is a tribute to the New York/New Jersey region and the Newark Liberty International Airport United serves. It took 17 days, 10 colors, 250-plus gallons of paint and approximately 4,100 hours to complete the paintjob from start to finish. (Los Angeles (CA), 26 November 2019, Robert Eikelenboom)

## North America

### Canada

Air Canada took delivery of their first of 45 A220-300s on 20 December. Commercial flights with the type were to begin at 15 January and Air Canada has outfitted the aircraft with 137 seats; twelve in business class and 125 in economy class.

Harbour Air Seaplanes made global news in December, after making the first electrically powered DHC-2 test flight. The airline's goal is to make the whole fleet electrical.

### United States of America

Coulson Aviation will add five former Norwegian Air Force C-130s to its fleet to fight forest fires, which are currently in storage at Davis Monthan Air Force Base (AZ).

As part of a six-year deal with Amazon International, Sun Country Airlines will operate ten converted B737-800 freighters from the second quarter of 2020.

United Airlines has ordered fifty A321XLRs. With deliveries starting in 2024, the airline will use the long-range of the aircraft to also operate into Europe, currently operated by B757-200s. It's not certain if the people at Airbus popped some champagne, as United Airlines also postponed the first deliveries of the planned 45 A350-900s to 2027.

## Oceania

### Australia

Qantas has given an update about their Project Sunrise, the plan to conduct non-stop ultra long-haul flights. Most important news is that they have made a decision between the B777X and Airbus A350-1000, with the latter type being selected. Airbus will add an additional fuel tank and a small increase in the Maximum Takeoff Weight to ensure the required performance. At this stage no order has been placed, but Qantas and Airbus will work on finalising the terms for an order for twelve planes. However, the deal is subject to approval by the Qantas board, which is expected in March. The airline hopes to start their Sunrise flights in the first half of 2023.

## Aircraft orders

Underlining means an update compared to last month. We only report firm orders when they are officially announced by the aircraft manufacturers.

### Airbus 2019 firm orders

AerCap 5 A320neo

Aer Lingus	6	A321neo
<u>Air Arabia</u>	73	<u>A320neo</u>
	47	<u>A321neo</u>
AirAsia X Malaysia	30	A321neo
	12	A330-900
Air Austral	3	A220-300
Air China	20	A350-900
Air Tanzania	2	A220-300
Air Vanuatu	2	A220-100
	2	A220-300
All Nippon Airways	18	A320neo
Atlantic Airways	2	A320neo
American Airlines	20	A321neo
Aviation Capital Group	3	A320neo
<u>Cebu Pacific Air</u>	16	<u>A330-900</u>
China Airlines	11	A321neo
<u>CIT Leasing</u>	10	<u>A330-900</u>
DAE Capital	2	A350-900
Delta Air Lines	5	A220-100
<u>easyJet</u>	12	<u>A320neo</u>
<u>Emirates</u>	50	<u>A350-900</u>
<u>flynas</u>	10	<u>A321neo</u>
Iberia	2	A320neo
	8	A321neo
IndiGo	87	A320neo
	213	A321neo
Jetblue Airways	10	A220-300
Jetsmart	12	A321neo
Lufthansa	20	A350-900
Lufthansa Technik (for Luftwaffe)	3	A350-900
Private	1	ACJ319neo
	2	ACJ320neo
	1	ACJ350-900
Qantas	10	A321neo
Saudia	30	A320neo
Starlux	5	A350-900
	12	A350-1000
Tigerair Taiwan	7	A320neo
Uganda Airlines	2	A330-800
<u>Unidentified</u>	10	<u>A220-100</u>
	4	<u>A220-300</u>
	4	<u>A330-800</u>
	43	A320neo
	53	A321neo
	12	A330-900
Virgin Atlantic	8	A330-900
Wizz Air Hungary	20	A321neo
Total	940	(+222)

## ATR 2019 firm orders

Air Tahiti	2	ATR42-600S
Avation	8	ATR72-600
Elix Aviation Capital	10	ATR42-600S
Nordic Aviation Capital	35	ATR72-600
Tunisair Express	3	ATR72-600S
<b>Total</b>	<b>58</b>	

## Boeing 2019 firm orders

Air Lease Corporation	6	B787-9
Air New Zealand	8	B787-10
Bamboo Airways	10	B787-9
Boeing Capital Corporation	1	B787-9
British Airways	18	B777-9
<u>CALC</u>	<u>2</u>	<u>B787-9</u>
China Airlines	6	B777F
DHL	4	B777F
<u>Emirates</u>	<u>30</u>	<u>B787-9</u>
FedEx	6	B767-300F
Korean Air	10	B787-9
	10	B787-10
Lufthansa	20	B787-9
Lufthansa Cargo	2	B777F
Private	2	BBJMAX
	2	B787-9
Qatar Airways	5	B777F
Royal Air Force	4	P-8A
Royal Norwegian Air Force	5	P-8A
<u>SunExpress</u>	<u>10</u>	<u>B737MAX8</u>
Turkmenistan Airlines	1	B777-200LR
<u>Unidentified</u>	<u>37</u>	<u>B737</u> (+20)
	1	B767-300F

	2	B777-300ER
	8	<u>B787-9</u> (+1)
	4	B787-10
	4	B767-300F
UPS		
US Air Force	15	KC-46A
US Navy	10	P-8A
<b>Total</b>	<b>243</b>	<b>(+63)</b>

## Bombardier & De Havilland Canada 2019 firm orders

ACIA Aero Capital	3	DHC-8-400Q
Air Tanzania	1	DHC-8-400Q
Chorus Aviation	9	CRJ900
Elin Group	4	DHC-8-400Q
Government of Ghana	6	DHC-8-400Q
Palma Holding	20	DHC-8-400Q
Petroleum Air Services	1	CRJ900
TAAG Angola Airlines	6	DHC-8-400Q
<b>Total</b>	<b>50</b>	

## Embraer 2019 firm orders

Air Peace	13	E195-E2
Binter	2	E195-E2
CIAF	3	E190
<u>Congo Airways</u>	<u>2</u>	<u>E175</u>
Fuji Dream Airlines	2	E175
SkyWest Airlines	7	E175
United Airlines	20	E175
<b>Total</b>	<b>49</b>	<b>(+2)</b>

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

## Jetliners



Vietnamese low cost carrier Vietjet started operations in November 2014. As of December 2019 it operates a seventeen point domestic network focused primarily on connecting its Hanoi main base with second city, Ho Chi Minh City. It also operates international services to Hong Kong, Malaysia, Myanmar, Singapore, South Korea, Taiwan and Thailand, with plans for eventual expansion to include destinations in Cambodia, China, Japan and Russia. Its fleet consists of 88 Airbus narrowbody aircraft. Pictured here is VN-A607, one of the thirteen A321neo aircraft currently in their fleet. The aircraft is painted in a special "Amy" (Vietjet mascot) colours. Vietjet has more than 300 aircraft on order from which 125 are of the A321neo type. (Bali-Denpasar, 14 December 2019, Pascal Simons)

A220	-300	<b>55064</b>	YL-AAU	airBaltic. Delivered on 5 December.
	-300	<b>55068</b>	SU-GFC	EgyptAir. Delivered on 21 December.
	-300	<b>55071</b>	YL-AAV	airBaltic. Delivered on 23 December.
A319	-112	<b>2879</b>	EC-NGL	Volotea Air, ex EI-EZC of the same company. Registered in Spain on 26 November.
A320	-214	<b>921</b>	XU-719	Sky Angkor Airlines, ex LY-NVZ of Avion Express. Delivered on 4 December.
	-212	<b>1437</b>	D-ATCH	Condor Flugdienst, ex EC-NAD of Thomas Cook Airlines Balearics. Delivered late November.
	-232	<b>1749</b>	N2910U	United Airlines, ex EC-LQL of Vueling Airlines. Delivered on 18 December. Aircraft was ferried to Tupelo (MS) and will be used by United for spares.
	-214	<b>1757</b>	HK-5051	Viva Air Colombia, ex LY-NVS of Avion Express. Delivered on 19 November.
	-232	<b>1909</b>	XU-	Sky Angkor Airlines, ex LY-NVY of Avion Express. Delivered on 29 November.
	-232	<b>1998</b>	LY-VEL	VietJetAir, ex Avion Express. Delivered on lease on 11 December.
	-214	<b>2106</b>	N236NV	Allegiant Air, ex VP-BDK of Aeroflot. Delivered on 27 November.
	-214	<b>2116</b>	N237NV	Allegiant Air, ex VP-BWD of Aeroflot. Delivered on 19 December.
	-251N	<b>9089</b>	SE-ROG	SAS Scandinavian Airlines. Delivered on 29 November. Test registration was D-AUBS.
	-251N	<b>9149</b>	9K-CBC	Jazeera Airways. Delivered on 30 November. Test registration was D-AXAQ.
	-251N	<b>9154</b>	VP-BRY	Ural Airlines. Delivered on 24 December. Test registration was D-AXAW.
	-251N	<b>9171</b>	G-UZLJ	easyJet. Delivered on 11 December. Test registration was D-AVVA.

	-251N	<b>9174</b>	9K-CBD	Jazeera Airways. Delivered on 20 December. Test registration was D-AVVD.
	-271N	<b>9229</b>	D-AINX	Lufthansa. Delivered on 19 December. Test registration was D-AVVE.
	-251N (ACJ)	<b>9237</b>	D-ALFU	DC Aviation. Delivered on 3 December. Test registration was F-WWBH.
	-251N	<b>9247</b>	SE-ROI	SAS Scandinavian Airlines. Delivered on 19 December. Test registration was D-AXAB.
	-251N	<b>9316</b>	SE-ROY	SAS Scandinavian Airlines. Delivered on 18 December. Test registration was D-AUBT.
	-252N	<b>9330</b>	SE-ROX	SAS Scandinavian Airlines. Delivered on 17 December. Test registration was D-AXAS.
	-251N	<b>9348</b>	F-HXKB	Air Corsica. Delivered on 4 December. Test registration was F-WWIP.
	-251N	<b>9354</b>	CS-TVG	TAP Air Portugal. Delivered on 22 November. Test registration was F-WWDZ.
	-251N	<b>9392</b>	F-HXKJ	Air Corsica. Delivered on 17 December. Test registration was F-WWDD.
	-271N	<b>9400</b>	SX-NEO	Aegean Airlines. Delivered in the new Aegean colours on 20 December. Test registration was F-WWIK.
	-271N	<b>9435</b>	VQ-BTX	S7 Airlines. Delivered on 21 December. Test registration was F-WWIO.
A321	-231	<b>1421</b>	LY-NVU	Avion Express, ex LY-NVU of Onur Air. Returned from lease on 25 November.
	-231	<b>1946</b>	LV-NVQ	Avion Express, ex LV-NVQ of Onur Air. Returned from lease on 1 December.
	-211	<b>2342</b>	C-GEZY	Air Transat, ex YL-LDB of SmartLynx. Delivered on winter lease on 9 December.
	-211	<b>2912</b>	C-GJLT	Air Transat, ex YL-LCZ of SmartLynx. Delivered on winter lease on 14 December.
	-211	<b>3267</b>	LY-VEC	VietJetAir, ex Avion Express. Delivered on lease on 11 December.
	-211	<b>5059</b>	VN-A594	Bamboo Airways, ex VQ-BOI of Aeroflot. Delivered on 19 December.
	-211	<b>5603</b>	C-FTXQ	Air Transat, ex OE-IDS of ALC - Air Lease Corporation. Delivered on 3 December. Former G-TCDB of Thomas Cook Airlines.
	-211	<b>6114</b>	C-FTXU	Air Transat, ex OE-IEH of ALC - Air Lease Corporation. Delivered on 28 November. Former G-TCDF of Thomas Cook Airlines.
	-211	<b>6515</b>	C-GTZX	Air Transat, ex OE-IEI of ALC - Air Lease Corporation. Delivered on 3 December. Former G-TCDH of Thomas Cook Airlines.
	-211	<b>6526</b>	VN-A532	VietJetAir, ex OE-IKL of ICBC Leasing. Delivered on 25 December. Former G-TCDJ of Thomas Cook Airlines.
	-211	<b>6548</b>	C-FTZX	Air Transat, ex OE-IDF of ALC - Air Lease Corporation. Delivered on 27 November. Former G-TCDK of Thomas Cook Airlines.
	-211	<b>6615</b>	OE-IKM	ICBC Leasing, ex G-TCDR of Thomas Cook Airlines Registered on behalf of the lessor on 2 December. Aircraft has been stored at Shannon since 10 October.
	-211	<b>6639</b>	OE-IDR	Avolon, ex D-ATCD of Condor Flugdienst. Registered on behalf of the lessor on 5 December. Aircraft has been stored at Zagreb since 9 October.
	-211	<b>6979</b>	OE-IDQ	Avolon, ex D-ATCE of Condor Flugdienst. Registered on behalf of the lessor on 4 December. Aircraft has been stored at Shannon since 10 October.
	-253N	<b>8085</b>	TC-OEE	Holiday Europe, ex Onur Air. Delivered on lease on 20 December.
	-251NX	<b>8946</b>	CS-TJP	TAP Air Portugal. Delivered on 28 November. Test registration was D-AVZA.
	-271NX	<b>8971</b>	N2017J	jetBlue Airways. Delivered on 23 November. Test registration was D-AVYK.
	-251NX	<b>8979</b>	TC-RBB	Pegasus Airlines. Delivered on 7 December. Test registration was D-AVYP.
	-271NX	<b>9044</b>	TC-LSM	Turkish Airlines. Delivered on 27 November. Test registration was D-AYAP.
	-271NX	<b>9046</b>	D-AIEE	Lufthansa. Delivered on 11 December. Test registration was D-AYAR.
	-271NX	<b>9054</b>	N2029J	jetBlue Airways. Delivered on 25 November. Test registration was D-AVXU.
	-271NX	<b>9095</b>	TC-LSO	Turkish Airlines. Delivered on 24 December. Test registration was D-AVXD.
	-271NX	<b>9109</b>	TC-LSP	Turkish Airlines. Delivered on 12 December. Test registration was D-AVYU.
	-251NX	<b>9162</b>	G-NEOX	British Airways. Delivered on 23 December. Test registration was D-AZAS.
	-251NX	<b>9204</b>	G-UZMG	easyJet. Delivered on 26 November. Test registration was D-AZAL.
	-251NX	<b>9227</b>	OE-ISB	easyJet Europe. Delivered on 19 December. Test registration was D-AVXK.
A330	-243	<b>313</b>	OE-IKV	SASOF Aviation, ex 4R-ALD of SriLankan Airlines. Registered in Austria on 18 December. Aircraft flew to St Athan for an appointment with the axe man on 24 November.
	-223	<b>493</b>	F-HUNO	Air Caraibes, ex F-HTAC of Aigle Azur. Delivered on 10 December.
	-202	<b>749</b>	OE-IGR	GECAS - General Electric Capital Aviation Services, ex EC-JQQ of Air Europa. Registered on behalf of the lessor on 2 December. Stored at Teruel since 22 November.
	-343E	<b>908</b>	TC-OCS	Onur Air, ex B-6098 of China Southern Airlines. Delivered on 24 November.
	-243	<b>948</b>	G-TCXB	Sunclass Airways, ex Thomas Cook Airlines. Delivered on 7 December.
	-243	<b>967</b>	G-TCXC	Sunclass Airways, ex Thomas Cook Airlines. Delivered on 16 December.
	-343E	<b>1058</b>	HS-XTK	Thai AirAsia X, ex VQ-BCQ of Aeroflot. Delivered on 9 December.
	-343E	<b>1401</b>	9H-HFC	Hi Fly Malta, ex 9V-STU of Singapore Airlines. Delivered on 17 December.
	-941	<b>1887</b>	PK-GYC	Citilink Delivered on 3 December. First A330 for Citilink. Aircraft was originally built and already painted in the purple WOW air colours and should be registered as TF-MOG. Test registration was F-WWCU.
	-941	<b>1923</b>	6V-ANB	Air Sénégal International. Delivered on 4 December. Test registration was F-WWYN.
	-941	<b>1943</b>	CS-TUR	TAP Air Portugal. Delivered on 22 November. Test registration was F-WWCC.
	-941	<b>1946</b>	PK-GHG	Garuda Indonesian Airways. Delivered on 18 December. Test registration was F-WWCZ.
	-941	<b>1948</b>	PK-GHF	Garuda Indonesian Airways. Delivered on 3 December. Test registration was F-WWYC.
	-302E	<b>1950</b>	EI-EIM	Aer Lingus. Delivered on 29 November. Test registration was F-WWCR.
A350	-1041	<b>65</b>	F-HMIL	Air Caraibes. Delivered on 2 December. First A350-1000 for Air Caraibes. One of the former A350-1000 prototypes. Test registration was F-WLXV.
	-941	<b>313</b>	A7-AQC	Qatar Airways. Delivered on 12 December. Aircraft originally intended for LATAM Airlines Brasil, but not taken up. Test registration was F-WZFI.
	-941	<b>320</b>	DQ-FAJ	Fiji Airways. Delivered on 14 December. Aircraft originally intended for Hong Kong Airlines as B-LGM, but not taken up. Test registration was F-WZFW.
	-1041	<b>332</b>	A7-ANK	Qatar Airways. Delivered on 4 December. Test registration was F-WZFC.
	-1041	<b>346</b>	A7-ANL	Qatar Airways. Delivered on 4 December. Test registration was F-WZFB.
	-1041	<b>350</b>	A7-ANM	Qatar Airways. Delivered on 7 December. Test registration was F-WZNN.
	-1041	<b>356</b>	A7-ANN	Qatar Airways. Delivered on 20 December. Test registration was F-WZNNQ.
	-941	<b>358</b>	SE-RSA	SAS Scandinavian Airlines. Delivered on 29 November. First A350 for SAS. Test registration was F-WZHJ.
	-941	<b>359</b>	F-HTYC	Air France. Delivered on 7 December. Test registration was F-WZGO.
	-1041	<b>362</b>	G-XWBC	British Airways. Delivered on 26 November. Test registration was F-WZFK.



*Air Calédonie International, doing business as Air Calin or Aircalin, is the state-controlled national airline of the French Overseas Protectorate of New Caledonia. It provides scheduled services from Nouméa La Tontouta International Airport to destinations in Australia, Fiji, French Polynesia, Japan, New Zealand, Vanuatu, and Wallis and Futuna. It currently has a fleet of one Dash 6 Twin Otter, two Airbus A320s, one A330-200 and two brand new A330-900s Neo. F-ONEO is one of the two A330 neo aircraft and was delivered on 4 August 2019. (Tokyo-Narita, 9 November 2019, René Verschuur)*

	-941	<b>363</b>	PR-XTM	LATAM Airlines Brasil. Delivered on 14 December. Test registration was F-WZGM.
	-941	<b>364</b>	9V-SJA	Singapore Airlines. Delivered on 22 November. Test registration was F-WZNT.
	-941	<b>365</b>	ZS-SDF	South African Airways. Delivered on 2 December. Originally built for Air Mauritius as 3B-NBS. Test registration was F-WZGF.
	-941	<b>366</b>	EC-NGT	Iberia. Delivered on 27 November. Test registration was F-WZGM.
	-941	<b>369</b>	9V-SHK	Singapore Airlines. Delivered on 29 November. Test registration was F-WZGZ.
	-941	<b>370</b>	JA05XJ	Japan Airlines International. Delivered on 11 December. Test registration was F-WZFJ.
	-941	<b>371</b>	9V-SHL	Singapore Airlines. Delivered on 6 December. Test registration was F-WZGK.
	-941	<b>373</b>	B-30CW	China Eastern Airlines. Delivered on 19 December. Test registration was F-WZHI.
	-1041	<b>374</b>	G-XWBD	British Airways. Delivered on 23 December. Test registration was F-WZNR.
	-941	<b>375</b>	ET-AWP	Ethiopian Airlines. Delivered on 13 December. Test registration was F-WZHD.
A380	-842	<b>258</b>	A6-EVI	Emirates. Delivered on 12 December. Test registration was F-WWST.
	-842	<b>260</b>	A6-EVK	Emirates. Delivered on 21 December. Test registration was F-WWSD.
BAe146	-RJ85	<b>E2307</b>	N285AC	Bank of Utah, ex EI-RJY of CityJet. Ferried to Marana (AZ) on 16 December and registered on 20 December. Destined for Aero Flite.
	-RJ85	<b>E2364</b>	N248AC	Bank of Utah, ex EI-RJR of CityJet. Ferried to Marana (AZ) on 25 November and registered on 4 December. Destined for Aero Flite.
B737	-4Q8	<b>24706</b>	EI-FVA	Luke Air, ex Blue Panorama Airlines. Transferred on 12 December.
	-4Y0SF	<b>25180</b>	F-GZTX	ASL Airlines France, ex N124WF of Southern Aircraft Consultancy Inc. Delivered on 28 November.
	-48ESF	<b>25775</b>	D-ACLW	CargoLogic Germany, ex VQ-BFR of ATRAN-Aviatrans Cargo Airlines. Transferred on 4 December as VQ-BFR.
	-31S	<b>29060</b>	LZ-BON	Tayaran Jet, ex I-BPAL of Blu-Express. Delivered in December.
	-53S	<b>29075</b>	5N-HBY	Azman Air, ex YL-BBD of airBaltic. Delivered on 21 December.
	-73S	<b>29081</b>	F-GZTO	ASL Airlines France, ex C-GTQP of Air Transat. Delivered on 23 December.
	-8Q8	<b>29351</b>	C-FFVJ	Sunwing Airlines, ex OK-TVJ of Smartwings. Correction Scramble 487 - Page 41.
	-84P	<b>32604</b>	OM-GTG	Corendon Airlines. Leased from Go2Sky per December.
	-8AS	<b>33554</b>	G-DRTY	Jet2, ex B-5575 of Okay Airways. Delivered on 7 December.
	-8AS	<b>33557</b>	G-DRTZ	Jet2, ex B-5577 of Okay Airways. Delivered on 24 December.
	-8Z9	<b>33833</b>	OK-TVX	Sunwing Airlines, ex OK-TVX of Smartwings. Delivered on winter lease on 4 December.
	-8K2	<b>34171</b>	<u>PR-HSB</u>	GOL - Linhas Aéreas Inteligentes, ex PH-HSA of Transavia Airlines. Addition Scramble 487 - Page 42.
	-8K5	<b>34688</b>	OY-JZM	Jet Time, ex D-ATUG of TUI fly Germany. Delivered on 11 December.
	-8AS	<b>34997</b>	PR-GZS	GOL - Linhas Aéreas Inteligentes, ex EI-ESW of Ryanair. Delivered on 2 December.
	-8AS	<b>34998</b>	PR-GZU	GOL - Linhas Aéreas Inteligentes, ex EI-ESX of Ryanair. Delivered on 6 December.
	-96NER	<b>35225</b>	UR-SQJ	SkyUp Airlines, ex OE-IDX of Celestial Aviation Trading 47 Ltd. Delivered on 12 December.
	-84P	<b>35274</b>	HS-DMA	Nok Air, ex F-HTVK of Transavia France. Delivered on winter lease on 30 November.
	-84P	<b>35276</b>	HS-DMB	Nok Air, ex F-HTVL of Transavia France. Delivered on winter lease on 6 December.
	-9GPER	<b>35719</b>	VP-BZY	Pegas Fly, ex PK-LFR of Lion Air. Delivered on 17 December.
	-86J	<b>36120</b>	XA-FFF	AeroMéxico - Aerovías de México, ex F-GZHI of Transavia France. Delivered on winter lease on 28 November. Registered on 2 December.
	-81M	<b>37161</b>	EI-GRJ	Neos, ex F-WTBC of Azur Aviation. Delivered on 20 December.
	-8K5	<b>37240</b>	C-FIUM	Sunwing Airlines, ex D-ATUM of TUI fly Germany. Delivered on winter lease on 3 December as D-ATUM.
	-8K5	<b>37242</b>	C-GWVB	Sunwing Airlines, ex G-TAWB of TUI Airways. Delivered on winter lease on 16 December as G-TAWB and re-registered the following day.
	-8K5	<b>37251</b>	G-TAWN	Sunwing Airlines, ex TUI Airways. Delivered on winter lease on 7 December.
	-8K5	<b>37255</b>	G-TAWO	Sunwing Airlines, ex TUI Airways. Delivered on winter lease on 11 December.
	-8K5	<b>37258</b>	C-GLZX	Sunwing Airlines, ex G-FDZX of TUI Airways. Delivered on winter lease on 2 December as G-FDZX and re-registered the following day.
	-8K5	<b>37260</b>	N735MA	Miami Air International, ex OO-JAH of TUI fly Belgium. Delivered on 23 November.
	-8K5	<b>37264</b>	C-FVWA	Sunwing Airlines, ex G-TAWA of TUI Airways. Delivered on winter lease on 30 November as G-TAWA

-8K5	<b>37262</b>	C-FHZZ	and registered on 2 December. Sunwing Airlines, ex G-FDZZ of TUI Airways. Delivered on winter lease on 25 November as G-FDZZ and re-registered the next day.
-86J	<b>37778</b>	XA-III	AeroM�xico - Aerov�as de M�xico, ex F-GZHJ of Transavia France. Delivered on winter lease on 4 December and registered two days later.
-86N	<b>38027</b>	C-GKVV	Sunwing Airlines, ex OK-TVV of Smartwings. Delivered on winter lease on 26 November as OK-TVV and registered on 29 November.
-8JP	<b>39017</b>	HL8377	Fly Gangwon, ex LN-NGF of Norwegian. Delivered on 16 December.
-8JP	<b>39019</b>	SE-RRX	Norwegian Air Sweden, ex EI-FHU of Norwegian Air International. Transferred on 30 November.
-8JP	<b>39020</b>	SE-RRU	Norwegian Air Sweden, ex EI-FHY of Norwegian Air International. Transferred on 13 December.
-8JP	<b>39021</b>	SE-RPB	Norwegian Air Sweden, ex EI-FHS of Norwegian Air International. Transferred on 5 December.
-8K5	<b>39094</b>	C-GYUK	Sunwing Airlines, ex D-ATUK of TUI fly Germany. Delivered on winter lease on 14 December as D-ATUK and re-registered on 18 December.
-8KN	<b>40250</b>	N835SY	Sun Country Airlines, ex A6-FDW of FlyDubai. Delivered on 20 December.
-8K5	<b>40943</b>	OO-JAV	Miami Air International, ex TUI fly Belgium. Delivered on winter lease on 19 December.
-8JP	<b>42074</b>	SE-RPE	Norwegian Air Sweden, ex EI-FJM of Norwegian Air International. Transferred on 11 December.
-8JP	<b>41152</b>	SE-RPD	Norwegian Air Sweden, ex EI-FJN of Norwegian Air International. Transferred on 10 December.
-8K2	<b>41330</b>	PH-HSK	Sun Country Airlines, ex Transavia Airlines. Delivered on winter lease on 5 December.
-8K5	<b>41660</b>	C-FTUN	Sunwing Airlines, ex D-ATUN of TUI fly Germany. Delivered on winter lease on 7 December as D-ATUN and registered on 10 December.
-8K5	<b>41661</b>	C-GTUO	Sunwing Airlines, ex D-ATUO of TUI fly Germany. Delivered on winter lease on 9 December as D-ATUO and registered on 12 December.
-8Q8	<b>41795</b>	C-FEVD	<u>Sunwing Airlines</u> , ex OK-TSD of Smartwings. Correction Scramble 487 - Page 42.
-8K2	<b>42067</b>	PH-HSM	Sun Country Airlines, ex Transavia Airlines. Delivered on winter lease on 13 December.
-8JP	<b>42072</b>	SE-RPI	Norwegian Air Sweden, ex EI-FJK of Norwegian Air International. Transferred on 13 December.
-800	<b>42083</b>	SE-RRZ	Norwegian Air Sweden, ex EI-FVH of Norwegian Air International. Transferred on 4 December.
-800	<b>42084</b>	SE-RRV	Norwegian Air Sweden, ex EI-FVL of Norwegian Air International. Transferred on 28 November.
-800	<b>42271</b>	SE-RPC	Norwegian Air Sweden, ex EI-FJX of Norwegian Air International. Transferred on 6 December.
-8JP	<b>42273</b>	SE-RPM	Norwegian Air Sweden, ex EI-FJU of Norwegian Air International. Transferred on 17 December.
-800	<b>42274</b>	SE-RRY	Norwegian Air Sweden, ex EI-FVI of Norwegian Air International. Transferred on 3 December.
-800	<b>42286</b>	SE-RPA	Norwegian Air Sweden, ex EI-FJW of Norwegian Air International. Transferred on 4 December.
-8MC	<b>44435</b>	VP-BUS	Aeroflot, ex VP-BUS of Rossiya - Russian Airlines. Transferred on 23 November.
-8AS	<b>44689</b>	9H-QAP	Malta Air, ex EI-FEH of Ryanair. Transferred on 29 November.
-8AS	<b>44691</b>	9H-QAO	Malta Air, ex EI-FIA of Ryanair. Transferred on 11 December.
-8AS	<b>44692</b>	9H-QAR	Malta Air, ex EI-FIB of Ryanair. Transferred on 4 December.
-8AS	<b>44708</b>	9H-QBM	Malta Air, ex EI-FOA of Ryanair. Transferred on 27 November.
-8AS	<b>44710</b>	9H-QBN	Malta Air, ex EI-FOB of Ryanair. Transferred on 13 December.
-8AS	<b>44718</b>	9H-QCC	Malta Air, ex EI-FOR of Ryanair. Transferred on 5 December.
-8AS	<b>44720</b>	9H-QBY	Malta Air, ex EI-FOM of Ryanair. Transferred on 12 December.
-8AS	<b>44726</b>	9H-QCI	Malta Air, ex EI-FRB of Ryanair. Transferred on 9 December.
-8AS	<b>44729</b>	SP-RKB	Ryanair Sun, ex EI-FOW of Ryanair. Transferred on 28 November.
-8AS	<b>44731</b>	9H-QCH	Malta Air, ex EI-FOZ of Ryanair. Transferred on 27 November.
-8AS	<b>44736</b>	SP-RKD	Ryanair Sun, ex EI-FRH of Ryanair. Transferred on 22 November.
-8AS	<b>44740</b>	9H-QCX	Malta Air, ex EI-FRT of Ryanair. Transferred on 9 December.
-8AS	<b>44742</b>	9H-QCT	Malta Air, ex EI-FRO of Ryanair. Transferred on 6 December.
-8AS	<b>44743</b>	SP-RKE	Ryanair Sun, ex EI-FRM of Ryanair. Transferred on 22 November.
-800	<b>44749</b>	SP-RKF	Ryanair Sun, ex EI-FRZ of Ryanair. Transferred on 30 November.
-800	<b>44751</b>	9H-QDB	Malta Air, ex EI-FTA of Ryanair. Transferred on 12 December.



ANA-All Nippon Airlines cargo aircraft are operated by its subsidiary Air Japan. Air Japan has provided the crews for the cargo flights to China, Guam, Hawaii, Hong Kong and South Korea using ten Boeing 767-300F freighters since the November 2010 merger in which Air Japan absorbed ANA Group cargo specialist ANA & JP Express. In 2019 two brand new Boeing 777 freighters were added to the ANA / Air Japan cargo fleet. N772F is one of them and was delivered on 10 June 2019. Besides cargo flights Air Japan also operates passenger services from Tokyo Narita to Honolulu under Air Japan flight codes, using 767 and 787 passenger aircraft transferred from ANA. Other passenger services, operated jointly under codeshare with ANA include flights from Tokyo Haneda to Honolulu and from Tokyo Narita to Dalian, Guangzhou, Ho Chi Minh City, Hong Kong, Taipei and Yangon. Air Japan previously also operated international passenger leisure charter services. Air Japan shares the same callsign with All Nippon Airways on all flights except routes to and from Seoul Incheon, Hong Kong, Taipei, and Honolulu which use the Air Japan call sign. (Tokyo-Narita, 9 November 2019, Ren  Verschuur)



On 14 November 2019 Garuda Indonesia took delivery of its first Airbus A330neo, PK-GHE. It is the first out of an order for sixteen A330-900s, from which a few will be operated by Garuda's low cost daughter Citilink. Mainline Garuda employs the aircraft on its long haul network. Occasionally the aircraft is scheduled on the service to Amsterdam, making Garuda the first scheduled A330neo operator at Schiphol. (Amsterdam-Schiphol, 26 December 2019, Walter Heukensfeld)

	-800	<b>44752</b>	9H-QDC	Malta Air, ex EI-FTB of Ryanair. Transferred on 11 December.
	-800	<b>44808</b>	9H-QEB	Malta Air, ex EI-GDO of Ryanair. Transferred on 22 November.
	-800	<b>44826</b>	SP-RKG	Ryanair Sun, ex EI-GJI of Ryanair. Transferred on 21 November.
	-800	<b>44827</b>	9H-QEN	Malta Air, ex EI-GJM of Ryanair. Transferred on 7 December.
	-800	<b>44828</b>	9H-QEI	Malta Air, ex EI-GJF of Ryanair. Transferred on 22 November.
	-800	<b>44830</b>	9H-QEK	Malta Air, ex EI-GJH of Ryanair. Transferred on 28 November.
	-800	<b>44833</b>	9H-QCN	Malta Air, ex EI-GJO of Ryanair. Transferred on 18 December.
	-8AS	<b>61580</b>	9H-QBX	Malta Air, ex EI-FOL of Ryanair. Transferred on 12 December.
	-8AS	<b>62690</b>	9H-QCJ	Malta Air, ex EI-FRC of Ryanair. Transferred on 4 December.
	-800	<b>63624</b>	PH-BCL	KLM Royal Dutch Airlines. Line # 7542. Delivered on 18 December.
B747	-8F	<b>65787</b>	N620UP	UPS - United Parcel Service. Delivered on 27 November. Line # 1557.
B757	-223PCF	<b>24613</b>	EC-NHF	Swiftair, ex N655AA of Jetran LLC. Delivered on 10 December as N655AA.
	-223PCF	<b>25294</b>	SX-AMJ	Olympic Airways, ex N660AM of Bank of Utah. Delivered on 6 December as N660AM.
	-256	<b>29307</b>	D4-CCH	Cabo Verde Airlines, ex F-HTAG of La Compagnie. Delivered on 16 December.
	-236	<b>29943</b>	N223SA	Bank of Utah, ex G-CPEV of TUI Airways. Registered on 4 December. Ferried to Chengdu for freighter conversion. Destined for SF Airlines.
B767	-33AER	<b>25534</b>	UR-CSX	Ukrainian Wings, ex YA-KMR of Kam Air. Delivered on 10 December.
	-3Q8ER	<b>27686</b>	N276DH	Kalitta Air / DHL, ex CN-ROV of Royal Air Maroc. Delivered after freighter conversion on 19 December.
	-300F	<b>63113</b>	N182FE	FedEx Express. Delivered on 20 December. Line # 1199.
	-300F	<b>64058</b>	N136FE	FedEx Express. Delivered on 16 December. Line # 1198.
	-300F	<b>66240</b>	N369UP	UPS - United Parcel Service. Delivered on 25 November. Line # 1197.
B777	-212ER	<b>30873</b>	N508BC	Boeing Capital Corporation, ex 9V-SVN of Singapore Airlines. Registered in the USA on 19 November. Aircraft was ferried to Goodyear (AZ) for storage on 22 November.
	-212ER	<b>32336</b>	PZ-TCU	Surinam Airways, ex N943BC of Boeing Capital Corporation. Delivered on 20 December. Former 9V-OKI of Air New Zealand and 9V-SVL of Singapore Airlines.
	-300ER	<b>61515</b>	JA796A	ANA - All Nippon Airways. Delivered on 23 December. Line # 1607.
	-300ER	<b>61517</b>	JA798A	ANA - All Nippon Airways. Delivered on 23 December. Line # 1637.
	-300ER	<b>66091</b>	HB-JNK	Swiss. Delivered on 26 November. Line # 1631.
	-300ER	<b>66092</b>	HB-JNL	Swiss. Delivered on 23 December. Line # 1636.
	-F	<b>66339</b>	A7-BFU	Qatar Airways. Delivered on 24 November. Line # 1632.
	-200LR	<b>66536</b>	4K-AI001	Azerbaijan Airlines - AZAL. Delivered on 20 December. What a surprise. A brand new 777-200LR in 2019. Line # 1635.
	-300ER	<b>66589</b>	N2749U	United Airlines. Delivered on 6 December. First triple seven in United's new colours. Line # 1634.
	-300ER	<b>66590</b>	N2250U	United Airlines. Delivered on 27 December. Line # 1639.
B787	-9	<b>34851</b>	JA878J	Japan Airlines International. Delivered on 12 December. Line # 945.
	-8	<b>35436</b>	JA847J	Japan Airlines International. Delivered on 27 November. Line # 939.
	-8	<b>35438</b>	JA848J	Japan Airlines International. Delivered on 5 December. Line # 943.
	-9	<b>38469</b>	CC-BGP	LATAM Airlines Chile. Delivered on 23 December. Line # 938.
	-9	<b>40057</b>	HZ-AR26	Saudia - Saudi Arabian Airlines. Delivered on 24 December. Line # 942.

	-10	<b>42499</b>	PH-BKF	KLM Royal Dutch Airlines. Delivered on 20 December. Line # 946.
	-10	<b>60264</b>	9V-SCO	Singapore Airlines. Delivered on 30 November. Line # 938.
	-9	<b>60328</b>	S2-AJY	Biman Bangladesh Airlines. Delivered on 20 December. First 787-9 for Biman. Aircraft was originally intended for Hainan Airlines, but not taken up. Line # 911.
	-10	<b>60763</b>	A6-BMG	Etiihad Airways. Delivered on 22 November. Line # 934.
	-9	<b>62174</b>	A6-PFH	Government of Abu Dhabi - Amiri Flight. Delivered on 6 December. Aircraft was originally intended for Suparna Airlines, but not taken up. Line # 940.
	-9	<b>62176</b>	ET-AXL	Ethiopian Airlines. Delivered on 12 December. Line # 944.
	-9	<b>62736</b>	VN-A819	Bamboo Airways. Delivered on 20 December. First Dreamliner for Bamboo. Originally ordered by Hainan Airlines, but cancelled by this airline. Line # 936.
	-8	<b>63396</b>	4X-ERA	El Al Israel Airlines. Delivered on 28 November. First 787-8 for El Al. Line # 935.
	-8	<b>63397</b>	4X-ERB	El Al Israel Airlines. Delivered on 19 December. Line # 947.
	-9	<b>64215</b>	A7-BHB	Qatar Airways. Delivered on 26 December. Line # 917.
	-9	<b>64216</b>	A7-BHD	Qatar Airways. Delivered on 26 December. Line # 931.
	-9	<b>64217</b>	A7-BHA	Qatar Airways. Delivered on 26 December. Line # 909.
	-9	<b>64218</b>	A7-BHE	Qatar Airways. Delivered on 26 December. Line # 937. Qatar first four 787-9s were all delivered on the same day!
	-9	<b>65429</b>	B-20DT	Juneyao Airlines. Delivered on 21 November. Line # 933
	-9	<b>66075</b>	VH-ZNK	QANTAS. Delivered on 13 December. Line # 941.
CRJ	900LR	<b>15215</b>	PH-ADT	SAMCO Aircraft Maintenance B.V., ex S5-AAO of Adria Airways. Ferried to Maastricht on 22 November.
	900	<b>15242</b>	ES-ACP	Nordica, ex G-CKZO of Triangle Symbler Leasing DAC. Delivered on 28 November.
	1000	<b>19049</b>	EI-HBB	Hibernian Airlines, ex EC-MLN of Air Nostrum. Transferred on 22 November. Still operating in Iberia Regional colours.
ERJ	135BJ	<b>14500952</b>	G-ERFX	Flexjet, ex N910FL of Flight Options. Registered on 18 December.
	135BJ	<b>14501016</b>	M-PIRA	SCP AI B.V., ex Empira AG. Registered on 18 December.
	145LI	<b>14501027</b>	F-HOXY	Amelia International, ex N327EC of Wells Fargo Bank. Delivered on 17 December.
	195LR	<b>19000204</b>	OY-GDC	Great Dane Airlines, ex EI-GGB of Stobart Air. Delivered on 27 November.
	190BJ	<b>19000534</b>	9H-FAB	Air X Charter, ex B-3219 of SR Jet - Sprakle Roll Jet. Delivered on 21 December.
	190BJ	<b>19000641</b>	9H-FCM	Air X Charter, ex B-3220 of SR Jet - Sprakle Roll Jet. Delivered on 21 December.
	195LR	<b>19000772</b>	EW-545PO	Belavia - Belarusian Airlines. Delivered on 13 December.
	195E2STD	<b>19020023</b>	EC-NEZ	Binter Canarias. Delivered on 3 December.
	195E2STD	<b>19020024</b>	EC-NFA	Binter Canarias. Delivered on 6 December.
	190E2STD	<b>19020026</b>	HB-AZB	Helvetic Airways. Delivered on 21 December.
MD-11	F	<b>48798</b>	N647FE	Boeing Aircraft Holding Co., ex D-ALCF of Lufthansa Cargo. Registered on 20 December. Stored at Victorville (CA) since 17 December.
	F	<b>48806</b>	N742BC	Boeing Aircraft Holding Co., ex D-ALCN of Lufthansa Cargo. Registered on 11 December. Stored at Victorville (CA) since 26 November.

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



Embraer E190 F-HBLL was the first Air France Hop aircraft painted in full Air France colours. It was delivered in May 2019, a few months after the new brand name for Hop! was adopted on 1 February 2019. (Amsterdam-Schiphol, 24 November 2019, Paul Zegers)

## Commuters

ATP		<b>2023</b>	5Y-GME	AeroSpace Consortium, ex SE-LLO of NextJet. Delivered on 29 November.
ATR42	-320F	<b>066</b>	LZ-FAC	Fleet Air BG, ex HA-KAG of Fleet Air International (NTU) and G-ZEBS of Blue Islands. Delivered on 14 December.
ATR72	-212AF	<b>499</b>	YL-RAK	RAF-Avia, ex F-GVZU of HOP!. Delivered on 17 December.
	-212A	<b>1198</b>	EC-NFT	Air Nostrum, ex 2-ATRE of NAC Aviation 29 DAC. Delivered on 10 December.
	-212A	<b>1574</b>	SE-MKL	BRA - Braathens Regional Airlines. Delivered on 19 December.
DHC-8	-402	<b>4038</b>	C9-AUZ	MEX - Moçambique Expresso, ex TF-FXB of Air Iceland Connect. Delivered on 18 December.
	-402	<b>4223</b>	D-ABQA	LGW Luftfahrtgesellschaft Walter, ex Eurowings. Per December, in special FC Union Berlin colours.

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

## Propliners

Beech	D18S C-45H	<b>A-952</b> <b>AF-857</b>	N766L N322X	Exported to Canada per 22 November 2019. New Identity not yet confirmed. Parts are offered online, as the airplane is to be removed from the property where it is parked, and will soon be scrapped. Engines and wings were already removed a long time ago. Last reported stored on a farm near Wakeman (OH).
Convair	240	<b>93</b>	N396CG	Golden Age Flight Museum, which is a new museum being set up in California. This Convair was long-time resident at Camarillo (CA) and was to be transported to Proud Bird Restaurant at LAX but this deal never happened. In December 2019 this fuselage was noted at Shafter (CA). The airplane is still in good enough shape to become a static display in the new museum.
DHC	2E	<b>1053</b>	C-FJOS	Harbour Air modified this Beaver to an electric Beaver, the first electrically propelled passenger airplane in the world. The piston engine was replaced by an electric Magnix engine and first lifted out of the water during a test run on 9 December, making its real first test flight the following day. Because the Beavers of Harbour Air are used for short sightseeing flights they are investing lots of money in developing the first e-planes, since both range and duration are no real issue for them.
Douglas	C-47B	<b>20019</b>	OY-BPB	Danish Dakota Friends, encountered some serious engine damage on their Dakota. There are insufficient funds to have the engine replaced and as a consequence they have decided to stop the operation of this beautiful airframe with immediate effect. Let's hope a good home can be found for this bird, or even better, a potential buyer with a spare engine to fit.
	BT-67	<b>13840</b>	C-FKAL	North Star Air, crashed on landing at Sachigo Lake Airport in Ontario on 3 December 2019. See the Dustpan & Brush section in this month's issue.
	C-47B	<b>26558</b>	N514AC	Gunship Spooky of the Collings Foundation, was sold to a group in France called 'France Large', in December 2019. Expected to become based in Caen, Normandy, next year. There are and were several C-47s dressed up as 'Spooky', coded 'EN', which are often confused! This one is N514AC, coded 45-927/EN. It has been based at Mallard's Landing, Locust Grove (GA). Restoration work before delivery is expected to be done at CAF Gulf Coast Wing, at Conoe (TX).
Lockheed	C-130H	<b>382-4334</b>	952	Ex Norwegian Air Force, bought by Coulson for conversion to fire fighter. The deal is for five airframes, so construction numbers <b>4336 – 4339</b> will follow, for a total amount of USD 4.5 million. They have been at AMARG/Davis Monthan AFB (AZ) since late 2008.
Shorts	SH7	<b>SH1831</b>	N198WW	Win Win Aviation, registered on 27 November 2019, ex 9Q-CSD. No reports yet of an ocean crossing for this ship. Maybe only purchased for the parts.

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

## Fokker News

F27	C-31A	<b>10668</b>	N27FF	Eastern Stearman, ex 85-01608 of the US Army's Golden Knights parachute team. Last month we reported that the Friendship was acquired by the Stichting Vliegend Nederlands Cultureel Erfgoed, a Dutch heritage foundation. In order to fly with the C-31A it needed a civil registration and on 25 November it was entered in the FAA database, with Easter Stearman as the owner. They own a lot of aircraft and is purely a paper exercise, but N27FF will be seen on the Fokker.
	-050	<b>20124</b>	5Y-	Ex SE-KTC Amapola Flyg. This one...
	-050	<b>20125</b>	5Y-	Ex SE-KTD Amapola Flyg. And this one were both cancelled from the Swedish register in September 2019 as being exported to Kenya. No operator was mentioned, one to keep an eye on.
	-050	<b>20226</b>	SE-LTR	Amapola Flyg. Left Lelystad again on 2 December after repaint into new colours.
	-050	<b>20333</b>	5Y-CGX	Kush Air, ex ET-AKU. Seen at an unknown location in 2018 with the new registration, in Kush Air colours. Registration finally known!
F28	-1000C	<b>11074</b>	TC-52	Fellowship days continue with the Fuerza Aérea Argentina! The maintenance crew of Escuadrón II from Grupo Aéreo 1 is bringing TC-52 back to life! For this, parts are used from sister ships TC-53 and TC-54. This is done inside one of the hangars at El Palomar Air Base on the outskirts of Buenos Aires. It was seen there on 29 November 2019, having previously been withdrawn from use there.
	-0100	<b>11305</b>	VH-FZO	Virgin Australia Regional Airlines. Last service 4 December as VA1728, from Karratha back to Perth (WA). Is nominated to be scrapped, but VARA has a habit of changing its mind, so let's wait and see.
	-0100	<b>11308</b>	UP-F1019	Bek Air, ex D-AGPH Avanti Air. Left Saarbrücken on 2 December on delivery to Uralsk, Kazakhstan. It left as D-AGPH without titles but with Avanti Air tail colours.
	-0100	<b>11324</b>	OE-IDY	Alliance Aviation Slovakia, ex HB-JVH Helvetic Airways. Unusual for this one to be registered in Austria, compared to the other former Helvetic 100s, who received their future Australian registrations.
	-0100	<b>11407</b>	4L-	Flywings Aviation, ex 9A-BTD Trade Air. Flew last service for Trade Air on 19 September, from Warsaw to Zagreb, and was offered for sale. Flywings is a new Georgian start-up and is yet to apply for an AOC (Air Operator Certificate). The Fokker already arrived at Tekirdag on 27 November.
	-0100	<b>11496</b>	UP-F1007	Bek Air. Crashed 27 December during departure from Almaty, Kazakhstan, killing fifteen people and leaving around 50 seriously injured. See Dustpan & Brush for more details.
	-0100	<b>11520</b>	VH-UQG	Alliance Airlines, ex OE-LVG Austrian Airlines. Already registered 17 May 2019, but only left Bratislava for Norwich on 18 December, to be repainted. Delivery Down Under should follow soon.

Credits: Merv Crowe, Skyliner.

## Bijzets

BAe	125-750	<b>HB-65</b>	LY-BGH	Sirius-Aero, ex VQ-BBQ. Noted at Malta on 26 November.
	125-850XP	<b>258790</b>	G-HASS	Bookajet, ex TC-TKC. Registered on 6 December.
	125-850XP	<b>258827</b>	M-YIGO	NNG Aviation, ex G-HSXP. Registered on 19 December.
	125-800XPi	<b>258834</b>	D-CTXC	CS-DRX became D-CTXC somewhere in the past year.
Beech	400A	<b>RK-552</b>	OM-ZUB	Former OK-ZUB of JetBee Czech was re-registered recently.
Cessna	525	<b>0226</b>	N146MM	Qualitair, ex OE-FSS. Registered on 3 October.
	525	<b>0514</b>	VH-RMB	Agair Logistics, ex PH-FIS. Registered on 4 December.
	525	<b>1043</b>	D-IMIM	Ferried through Wick on 22 December.
	525A	<b>0512</b>	D-ILOU	Sylt Air, ex N38GT. Noted at Ostend on 24 November.

	525B	<b>0200</b>	CS-DVJ	EverJets, ex OO-EDV. Noted at Porto on 16 November 2018.
	525C	<b>0313</b>	YR-TRK	Toyo Aviation, delivered in November.
	550	<b>0864</b>	LZ-XYZ	Noted at Mönchengladbach on 23 November, ex TJ-ROA.
	560XLS+	<b>6025</b>	OM-FLY	Delivered to Bratislava on 22 December, ex LX-EBE.
	560XLS+	<b>6271</b>	D-CAWO	Aerowest, noted at Hannover on 14 December.
	560XLS+	<b>6273</b>	D-CVFA	Viessmann Werke, noted at Düsseldorf on 2 December.
	560XLS+	<b>6279</b>	OE-GJB	Jet 24, ex N5263D. Registered in December.
	680	<b>0120</b>	N950JS	Ice Box Express II, re-registered from N621CS on 2 October.
	680	<b>0267</b>	N680QA	Probst Electric, ex N753MS. Re-registered on 18 September.
	680+	<b>0509</b>	N76YF	Great Southern Wood Preserving, re-registered from N16YF on 23 September.
	680+	<b>0517</b>	N883JA	Juliet Alpha Aircraft Leasing, re-registered from N425PQ on 2 October.
	700	<b>0008</b>	N16YF	Great Southern Wood Preserving, registered on 29 October.
	750	<b>0005</b>	N78ZE	Bonum Jets, re-registered from N1JM on 20 September.
	750	<b>0128</b>	N610CD	Clover Management, re-registered from N610CG on 30 May.
Challenger	300	<b>20269</b>	N65TP	Altex, re-registered from N508SN on 3 October.
	300	<b>20415</b>	N615WD	Charlie 300, re-registered from N85BE on 3 October.
	350	<b>20785</b>	OE-HVV	International Jet Management, ex N785C. Registered in December.
	350	<b>20789</b>	N350BK	Bombardier Aerospace, ex C-GFKN. Registered on 25 September.
	350	<b>20793</b>	N350JZ	Bombardier Aerospace, ex C-GJXH. Registered on 25 September.
	350	<b>20794</b>	N350NP	Kennedy Campus, re-registered from N350AJ on 4 October.
	350	<b>20808</b>	N90LE	Bombardier Aerospace, ex C-GLOI. Registered on 25 September.
	350	<b>20810</b>	N350DA	Bombardier Aerospace, ex C-GOYG. Registered on 24 September.
	350	<b>20815</b>	N350AQ	Bombardier Aerospace, ex C-GUHA. Registered on 26 September.
	350	<b>20816</b>	N350XK	Bombardier Aerospace, ex C-GOXA. Registered on 25 September.
	350	<b>20818</b>	N707QS	NetJets, ex C-GOXD. Registered on 27 September.
	350	<b>20828</b>	D-BDDE	Delivered to Baden-Baden in December.
	350	<b>20829</b>	SP-WAA	Wisniowski, noted at Kraków on 12 December.
	350	<b>20830</b>	LX-GJM	Noted at Luxembourg on 23 December.
	601-3A	<b>5004</b>	N911LM	Eagle Aircorp, re-registered from N82SC on 1 October.
	601-3A	<b>5005</b>	N902B	Goodfriend Aviation, re-registered from N902BW on 10 October.
	6	<b>5064</b>	N611MM	TVPX Aircraft Solutions, re-registered from N611PR on 3 October.
	6	<b>5177</b>	N895CQ	K & S Aircraft, re-registered from N895CC on 1 October.
	604	<b>5310</b>	N403PP	Pollard Spares, ex C-GWLI. Registered on 1 October.
	604	<b>5415</b>	5N-IZY	Izy Air, noted Lanseria on 24 November. Ex N295JL.
	604	<b>5422</b>	2-SLOW	Volare Aviation, ex 2-PBNR. Noted at Teesside on 17 November.
	604	<b>5505</b>	N5505T	Avcorp US Registrations, ex 2-NICE. Registered on 11 October.
	604	<b>5524</b>	N925AF	America Fujikura, re-registered from N601GT on 2 October.
	604	<b>5540</b>	T-752	Swiss Air Force, ex HB-JRC. Noted at Zürich on 28 May.
	604	<b>5598</b>	N558BD	Mark Solomon, ex M-ASIM. Registered on 9 October.
	650	<b>6118</b>	M-HEAD	Discover Global Holdings, ex N126SZ. Registered on 1 October.
	650	<b>6141</b>	T7-AQL	Aquila, ex C-FAOF. Noted at Montreal on 27 September.
Eclipse	EA500	<b>000072</b>	2-CLRK	Registered to Aris Aviation on 21 November. Addition to Scramble 487.
	EA500	<b>000132</b>	N100PA	Reregistered from N964S on 11 December.
	EA550	<b>550-1001</b>	T7-BFH	Ex 9H-BFH, which was cancelled in September.
Embraer	500	<b>50000112</b>	N767BA	Former G-SVRN of Sovereign Business Jets was sold to Baker Aviation LLC in the US.
	500	<b>50000116</b>	N11CR	Former CS-DTC of Helibravo Ltda. was sold to Huston2009 LLC in the US.
	500	<b>50000281</b>	N20XX	Ex D-IMOR of Starwings Dortmund Luftfahrt GmbH was sold to the KEB Group Inc. in Florida.
	505	<b>50500099</b>	LN-HLM	Operator in Norway now known as Funkybiz AS/Altor Equity Partners. Addition to Scramble 487 – Page 45.
Falcon	7X	<b>18</b>	N888AR	Clay Lacy Aviation, re-registered from N273JC on 17 September.



This is already the third aircraft with the same registration in the Slovak Republic register, the first OM-FLY was a EMB-120ER of Sky Europe Airlines in the year 2003, the second was a Beech B200 of VIP Air s.r.o. in 2006. This Cessna 560XLS+, owner/operator not known yet, was recently first noted and pictured at Antwerp. (Walter Van Brempt, 22 December 2019)



A fine landing shot of a Malta based Global 5000 with registration 9H-ASB. It was registered in November 2018 and is operated by TAG Aviation Malta. (Antwerp, 25 November 2019, Walter Van Brempt)

	7X	<b>98</b>	N557PK	Sion Aviation, ex OY-TSS. Registered on 9 October.
	7X	<b>167</b>	N1AZ	Wilmington Trust, re-registered from N167AZ on 4 October.
	8X	<b>439</b>	VP-CHW	Business Aviation Asia, ex F-GCDP. Noted at Geneva on 5 December.
	8X	<b>453</b>	LX-GBH	Contrary to what we reported last month, LX-GBH is in fact c/n 453, not 458.
	8X	<b>460</b>	LX-LXL	Global Jet Luxembourg, delivered to Geneva on 20 December.
	8X	<b>461</b>	OO-VSF	Luxaviation Belgium, ex F-VWZY. Registered on 9 December.
	50EX	<b>352</b>	N200WL	Georgia Air South, re-registered from N180NL on 8 October.
	900B	<b>112</b>	N450FV	Yellowdome, re-registered from N900KL on 8 October.
	900C	<b>189</b>	N271AC	TVPX Aircraft Solutions, re-registered from N599SR on 9 October.
	900EX	<b>230</b>	VP-CVS	International Jet Management, re-registered from VP-CMB in November.
	900LX	<b>289</b>	N58CG	Corning, re-registered from N73PS on 2 October.
	2000	<b>103</b>	N103FJ	Premier Aircraft, ex VT-AVH. Registered on 3 October.
	2000	<b>152</b>	N75JM	Jast Air, re-registered from N61JM on 20 September.
	2000	<b>158</b>	N506DJ	Dumont Aircraft Charter, re-registered from N370SM on 9 October.
	2000	<b>184</b>	N557PW	Sion Aviation, re-registered from N557PK on 7 October.
	2000	<b>202</b>	N523DJ	Dumont Aircraft Charter, re-registered from N251QS on 4 October.
	2000	<b>228</b>	N4840W	Lanchequity Partners, re-registered from N900MC on 2 October.
	2000EX	<b>14</b>	N3221B	Central Business Jet, ex HB-IAU. Registered on 25 September.
	2000MSA	<b>345</b>	JA574A	Japan Coast Guard, ex N345FJ. Noted at Shizuoka on 29 November.
	2000LXS	<b>355</b>	N68HC	Dassault Falcon Jet, registered on 10 October. Registered to HCA Squared on 8 November.
	2000LXS	<b>358</b>	PR-PGT	JP Administração e Participações, noted at Boa Vista on 28 November.
Global	Express	<b>9050</b>	N351LS	Reregistered from N945AF on 12 December.
	5000	<b>9190</b>	N20RG	Reregistered from N117LB on 2 December.
	5000	<b>9392</b>	N782SB	Reregistered from N782SF on 18 December.
	5000	<b>9498</b>	CS-GLY	N986BA cancelled on 20 November and transferred to NetJets Europe.
	5000	<b>9531</b>	CS-GLZ	N176VR cancelled on 17 December and delivered to NetJets Europe.
	5000	<b>9868</b>	M-PORT	Ex C-GOBF and C-GFET. Delivered to Sirom Aviation on 20 December.
	6000	<b>9869</b>	TC-	Exported from Canada on 26 November, to Turkey. Ex C-GFHD.
	6000	<b>9870</b>	N157QS	Delivered to NetJets on 13 December, ex C-GFQR.
	6000	<b>9871</b>	TC-	Exported from Canada on 13 September, to Turkey. Ex C-GFRG.
	6000	<b>9872</b>	VP-CPR	Exported from Canada on 18 December, ex C-GFRX.
	6000	<b>9875</b>	D-AGGL	C-GFYF was cancelled on 18 December. Arrived in Germany on 21 December.
	7500	<b>70015</b>	N939SG	Delivered to Bombardier on 16 December, ex C-FXAQ.
	7500	<b>70016</b>	N810TS	Delivered to Bombardier on 20 December, ex C-FYSV.
	7500	<b>70017</b>	VQ-BOK	Delivered in December, ex C-FZKY.
	7500	<b>70024</b>	C-GAOZ	To be registered 9H-VTF in January 2020, for VistaJet.
Gulfstream	IVSP	<b>1235</b>	N35GU	Delta Private Jets, re-registered from N1AZ on 17 September.
	IVSP	<b>1250</b>	PS-GUS	Balada Eventos e Produções, ex N287GL. Registered on 18 October.
	IVSP	<b>1356</b>	N707WE	Belagrasco Aviation, re-registered from N970KG on 2 October.
	IVSP	<b>1373</b>	N595PB	Avire, re-registered from N595PE on 1 October.
	G450	<b>4203</b>	N818GC	Wilmington Trust, ex VP-CMY. Registered on 19 September.
	G450	<b>4233</b>	N883DE	Phantom Services, re-registered from N882DL on 4 October.
	G450	<b>4280</b>	N459FX	Flexjet, re-registered from N40QJ on 4 October.
	G450	<b>4351</b>	N93AE	Beacon Aviation Management, ex N332M. Registered on 4 October.
	V	<b>512</b>	N900J	Jetran, re-registered from N863MF on 26 September.
	G550	<b>5021</b>	N552RC	Related Advisory, re-registered from N510SR on 20 September.
	G550	<b>5045</b>	N812RB	TVPX ARS, re-registered from N560DM on 10 October.
	G550	<b>5056</b>	N505GF	WH Air, re-registered from N556TT on 4 October.
	G550	<b>5079</b>	N890DA	Darling Ingredients, re-registered from N860AA on 18 September.
	G550	<b>5088</b>	N1AE	EMB Equipment, re-registered from N5VS on 18 September.
	G550	<b>5106</b>	N510GV	Nelda Acquisitions, re-registered from N888ZF on 10 October.
	G550	<b>5199</b>	N370GP	RA Majestic, re-registered from N925SB on 18 September.

	G550	<b>5252</b>	T7-GLF	Sorens Aero, ex N550PM. Noted at Basel on 4 January 2019.
	G550	<b>5327</b>	N126EB	Elainebrown, re-registered from N881WR on 25 September.
	G550	<b>5335</b>	VP-CRH	HK Bellawings Jet, ex B-LDL. Registered in November.
	G550	<b>5388</b>	B-LMF	Contrary to our earlier reports, B-LMF did not become T7-YMF.
	C-37B	<b>5586</b>	18-1942	United States Air Force, ex N586GA. Delivered to Andrews AFB on 20 December.
	C-37B	<b>5592</b>	18-1947	United States Air Force, ex N592GA. Noted at Greenville (TX) on 19 December.
	G650	<b>6085</b>	N13JS	Turnberrey Associates, re-registered from N608JG on 3 October.
	G650ER	<b>6282</b>	N510SR	Related 2019, ex N282GA. Registered on 2 October.
	G650ER	<b>6376</b>	N7GF	It Aviation, ex N676GA. Registered on 9 October.
	G650ER	<b>6385</b>	VP-CNT	Jet Aviation Business Jets Hong Kong, ex N685GD. Registered on 18 September.
	G650ER	<b>6386</b>	N67WB	Interlaken Capital Aviation Services, ex N686GD. Registered on 24 September.
	G650ER	<b>6387</b>	N277BJ	G19 Aviation, ex N687GA. Registered on 9 October.
	G650ER	<b>6388</b>	N63HS	Gulfstream Aerospace, re-registered from N688GA on 19 October. Delivered to HS Arrow on 28 October.
	G650ER	<b>6393</b>	N111UB	TVPX Aircraft Solutions, ex N693GA. Registered on 12 December.
	G650ER	<b>6398</b>	N779AR	MHS Travel & Charter, ex N698GA. Delivered to St. Louis (MO) on 5 December.
	G650ER	<b>6401</b>	A7-CGG	Qatar Executive, ex N641GA. Noted at London-Stansted on 18 December.
	G650	<b>6402</b>	TC-MAA	Swan Aviation, ex N602GA. Registered on 12 December.
	G500	<b>72033</b>	N710FT	Avex V, ex N533GD. Registered on 22 October.
	G500	<b>72035</b>	N1L	Richardson Aviation, ex N535GD. Registered on 24 October.
	G500	<b>72037</b>	A7-CGT	Qatar Executive, ex N537GD. Noted at Farnborough on 27 September.
	G500	<b>72039</b>	P4-PLG	Noted Bratislava on 21 December, ex N539GD.
	G600	<b>73011</b>	N329EH	N329EH, registered on 25 September. Former N611GD.
Honda	HA-420	<b>00099</b>	T7-DNH	Noted at Mönchengladbach on 5 December, ex T7-RAS.
	HA-420	<b>00177</b>	T7-APG	Alpha Golf Aviation, ex N514SJ. Noted at Biggin Hill on 21 November.
IAI	1124A	<b>324</b>	N406HR	Was cancelled in March 2018, but apparently reactivated on 3 December.
	1125SP	<b>62</b>	N26BD	Reregistered on 1 December, ex N944RS.
	1125SPX	<b>135</b>	N809JW	Was to be exported to Venezuela, but in the US register on 19 December again. See 487.
	G150	<b>212</b>	N614TP	Reregistered from N509SR on 11 December.
	G200	<b>103</b>	N704LB	Ex XA-POS, registered in the USA on 3 December.
	G200	<b>111</b>	C6-	Exported to the Bahamas on 13 December, ex N818ER.
Learjet	45	<b>45-494</b>	N999AT	Former 9H-DDJ of Kermas International Ltd. was sold to Bank of Utah. Operator at this point still unknown.
	60	<b>60-312</b>	D-CFAQ	Ex VP-CCD of Radic Aviation was sold to FAI Rent-A-Jet GmbH in november.
Pilatus	PC-24	<b>152</b>	HB-VZA	Registered to Pilatus Flugzeugwerke in October. Later reregistered as:
	PC-24	<b>152</b>	N152SV	for Pilatus Business Aircraft Inc.
	PC-24	<b>153</b>	HB-VZB	Registered to Pilatus Flugzeugwerke in August. In October reregistered as:
	PC-24	<b>153</b>	N84KH	for Pilatus Business Aircraft Inc.
	PC-24	<b>154</b>	HB-VZC	Registered to Pilatus Flugzeugwerke in September. In October reregistered as:
	PC-24	<b>154</b>	N154AF	for Pilatus Business Aircraft Inc.
	PC-24	<b>156</b>	HB-VZE	Registered to Pilatus Flugzeugwerke in September. In October reregistered as:
	PC-24	<b>156</b>	N156BW	for Pilatus Business Aircraft Inc.
	PC-24	<b>157</b>	HB-VZF	Registered to Pilatus Flugzeugwerke in October. Later that month reregistered as:
	PC-24	<b>157</b>	C-FTMF	for a yet unknown operator in Canada.
	PC-24	<b>158</b>	HB-VZG	Registered to Pilatus Flugzeugwerke in October. Later that month reregistered as:
	PC-24	<b>158</b>	N158AF	for Pilatus Business Aircraft Inc.
	PC-24	<b>160</b>	HB-VZI	Registered to Pilatus Flugzeugwerke in October. Later that month reregistered as:
	PC-24	<b>160</b>	N281EB	for Pilatus Business Aircraft Inc.
	PC-24	<b>161</b>	HB-VZJ	Registered to Pilatus Flugzeugwerke in October. Later that month reregistered as:
	PC-24	<b>161</b>	D-CVAB	for a yet unknown operator in Germany.
Raytheon	390	<b>RB-235</b>	T7-UTS	Ex UR-USA of Business Aviation Centre JSC, sold to ICS Aero SM SRL.



This Astra SPX with registration YV3432 and c/n 117 was registered in September 2018, but unfortunately the new owner/operator is not known yet. Any help or additional information concerning this aircraft would be much appreciated. This picture was taken at Barranquilla-Ernesto Cortissoz Airport in Colombia. (Fred Streep, 19 December 2019)

## Bizprops

Beech	B200	<b>BB-1144</b>	SE-MJU	Former LN-TWL of Heliscan A/S was sold to Jonair Affärsflyg AB
	B200	<b>BB-1478</b>	PH-ZAZ	Former G-MEDZ of Zeusch Aviation was recently re-registered.
	B200	<b>BB-1619</b>	G-CDZT	Ex M-CDZT of Plane Leasing Ltd. was sold to RVL Aviation Ltd.
	B200	<b>BB-1898</b>	N73EM	Former LN-FIX of Airwing A/S was sold to Textron in November.
	B200	<b>BB-2008</b>	VH-XBZ	Ex LN-LTF of Knut Axel Ugland Holding A/S was sold to Platinum Aviation Assets Pty. Ltd. in Down Under.
Cessna	B250	<b>BY-161</b>	N142RD	Former SP-KKS of Karol Kania i Synowie was sold to an unknown operator in the US in December.
	208B EX	<b>5567</b>	OE-ENK	Cycladesair Aviation, registered in December.
	421C	<b>1249</b>	OK-IAM	Czech Aviation FC, ex N2740B. Registered on 23 August 2018.
Kodiak	100	<b>0218</b>	D-FERD	Noted at Mönchengladbach on 7 December.
Piaggio	P180	<b>1186</b>	2-EASY	Registered on 25 November, ex VT-JSG.
Pilatus	PC-12/47E	<b>1896</b>	D-FJTT	Ex HB-FSQ of Pilatus Flugzeugwerke was sold to an unknown operator in Germany in August.
	PC-12/47E	<b>1900</b>	HB-FUN	Ex HB-FQD of Pilatus Flugzeugwerke was sold and re-registered to D J Aviation AG.
	PC-12/47E	<b>1901</b>	N619FB	Ex HB-FQE of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E	<b>1906</b>	HB-FQK	Registered to Pilatus Flugzeugwerke.
	PC-12/47E	<b>1907</b>	HB-FQL	Registered to Pilatus Flugzeugwerke in September. Later sold as:
	PC-12/47E	<b>1907</b>	N595LA	to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E	<b>1915</b>	HB-FQT	Registered to Pilatus Flugzeugwerke 2 October. Later sold as:
	PC-12/47E	<b>1915</b>	N915NX	to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E	<b>1916</b>	HB-FQU	Registered to Pilatus Flugzeugwerke 2 October.
	PC-12/47E	<b>1917</b>	HB-FQV	Registered to Pilatus Flugzeugwerke 2 October. Later sold as:
	PC-12/47E	<b>1917</b>	N245DL	to Pilatus Business Aircraft Ltd. in the US in November.
	PC-12/47E	<b>1918</b>	HB-FQW	Registered to Pilatus Flugzeugwerke 10 October. Later sold as:
	PC-12/47E	<b>1918</b>	N918AF	to Pilatus Business Aircraft Ltd. in the US in November.
	PC-12/47E	<b>1919</b>	HB-FQY	Registered to Pilatus Flugzeugwerke 22 October. Later sold as:
	PC-12/47E	<b>1919</b>	N1919	to Pilatus Business Aircraft Ltd. in the US in December.
	PC-12/47E	<b>1920</b>	HB-FQX	Registered to Pilatus Flugzeugwerke 7 October.
	PC-12/47E	<b>1921</b>	HB-FQZ	Registered to Pilatus Flugzeugwerke 8 October. Later sold as:
	PC-12/47E	<b>1921</b>	N921NG	to Pilatus Business Aircraft Ltd. in the US in November.
	PC-12/47E	<b>1922</b>	HB-FRA	Registered to Pilatus Flugzeugwerke 22 October.
	PC-12/47E	<b>1923</b>	HB-FRB	Registered to Pilatus Flugzeugwerke 22 October. Later sold as:
PC-12/47E	<b>1923</b>	N99GM	to Pilatus Business Aircraft Ltd. in the US in December.	
PC-12/47E	<b>1924</b>	HB-FRC	Registered to Pilatus Flugzeugwerke 23 October.	
Piper	31T	<b>1104016</b>	YU-BUW	GAS Aviation, ex 9A-BIH. Registered on 28 June.
	46-500TP	<b>4697469</b>	N15FK	Aircraft Guaranty Corp., ex HB-PTS. Registered on 3 October. Seems to be still based in Germany.
	46-600TP	<b>4698108</b>	G-XSCP	British European Aviation, ex N8018F. Registered on 18 December.
Reims	F406	<b>0015</b>	D-ITTT	Air-Taxi Europe, ex OH-OTL. Registered on 15 June 2018.
SOCATA	TBM-850	<b>591</b>	T7-TBM	Former N850KB of SKB Investments Inc. was sold to an unknown operator in the San Marino register.
	TBM-910	<b>1291</b>	D-FGRO	This brand new TBM-910 was sold to an unknown operator/owner in Germany.
	TBM-940	<b>1281</b>	N940PS	Ex F-GKCJ of Daher Aerospace was sold to Papa Sierra Aviation Inc. in October.
	TBM-940	<b>1289</b>	JA55GW	Ex F-GAOI of Daher Aerospace was sold to an unknown operator in Japan.

## Soviet Updates

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

Near the bottom of the same page (Soviet Transport database on [www.scramble.nl](http://www.scramble.nl)) is a link to the Soviet Transports downloads page at the new and expanding [AirHistory.net](https://www.airhistory.net) website (<https://www.airhistory.net/info/soviet.php>). On the 'reference' tab on this site there you can find a sub-page 'Soviet Transport Data Files' and there you can find;

- free downloadable known production lists of the almost 250 types included in the 'Soviet Transports' database,
- these productions lists also include all known military transport aircraft and all known military Kamov and Mil helicopters,
- a list of western-built aircraft which saw service in the Soviet Union and the Eastern Block (excl. modern types)
- a list of all RF- registered aircraft including other types like Western-built aircraft and Soviet/Russian-built fighters,
- an illustrated explanation to construction numbers used on 'Soviet Transports' types,
- a list of abbreviations, English to Russian translations and the official and unofficial location codes used in the ST files,
- a Google Earth KMZ file with all airports in the Soviet Transports database.

An-2T	<b>1 13 473 06</b>	CCCP-G390	Mingeo	rgd	06sep51	later became CCCP-L293 and CCCP-13725 rgd 22may58 and w/o 03apr60
An-2V	<b>1105 473 15</b>	CCCP-98363	AFL/Krasnoyarsk	dbr	01sep60	MTOW exceeded by 225 kg when failed to lift off
An-2T	<b>1107 473 10</b>	CCCP-98375	AFL/Sykytykar	dam	24aug60	caught by a downstream, and HIT a mountain side
An-2R	<b>1G94-30</b>	UK-32169	Uzbekistan Airways	Tae	10may15	no longer on the register 27aug19
An-2P	<b>1G141-81</b>	UK-70487	SAR	rgd	06sep01	current nov10 but no longer on the register 27aug19
An-2P	<b>1G151-37</b>	FLA-3618K (1)	privately owned		07apr19	at Shakhty, same date FLA-3618K(2) was seen!; c/n now known
An-2	<b>1G170-19</b>	RA-07860	Yeniseiski Meridian	VLE	04may13	no titles; canx between 06nov19 and 27nov19
An-2P	<b>1G177-55</b>	UK-62670	Uzbekistan Airways	rgd	18apr95	current nov10 but no longer on the register 27aug19
An-2R	<b>1G181-25</b>	UR-ZAA	O.V. Zayat	rgd	11dec19	ex UR-56441
An-2R	<b>1G183-38</b>	UK-56538		rgd	19oct95	current nov10 but no longer on the register 27aug19
An-2R	<b>1G183-45</b>	UK-54781	Uzbekistan Airways	rgd	25may95	current nov10 but no longer on the register 27aug19
An-2R	<b>1G184-05</b>	UK-54798	Uzbekistan Airways	rgd	11mar98	current nov10 but no longer on the register 27aug19
An-2R	<b>1G184-06</b>	UK-54799		rgd	23jun97	current nov10 but no longer on the register 27aug19
An-2R	<b>1G185-47</b>	HA-MDS	Hód Agro Aero		19dec18	arrived for display at Flugwelt Altenburg Nobitz

An-2R	<b>1G188-04</b>	UK-54955		rgd	08jun95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G188-05</b>	UK-54956		rgd	12may96	current nov10 but no longer on the register	27aug19
An-2R	<b>1G188-06</b>	UK-54957	Uzbekistan Airways	rgd	23aug95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G188-10</b>	UK-54961		rgd	31aug95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G188-18</b>	UK-54969	Uzbekistan Airways	rgd	27mar98	current nov10 but no longer on the register	27aug19
An-2R	<b>1G188-27</b>	UK-84519	000 Maxsus-Avia	Tac	31mar09	current nov10 but no longer on the register	27aug19
An-2R	<b>1G192-45</b>	UK-68013		rgd	23aug95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G193-10</b>	UK-68038	Uzbekistan Airways	dam	10may03	current nov10 but no longer on the register	27aug19
An-2R	<b>1G193-21</b>	UK-68049	000 Maxsus-Avia	Tac	31mar09	current nov10 but no longer on the register	27aug19
An-2R	<b>1G197-54</b>	UK-31431	Uzbekistan Airways	rgd	29feb00	current nov10 but no longer on the register	27aug19
An-2R	<b>1G198-28</b>	UK-31463		rgd	30jun95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G198-39</b>	UK-31474	Uzbekistan Airways	l/n	10may15	Tashkent-Sergeli; no longer on the register	27aug19
An-2R	<b>1G198-58</b>	UK-31493	Uzbekistan Airways	l/n	10may15	Tashkent-Sergeli; no longer on the register	27aug19
An-2R	<b>1G203-06</b>	UK-17745		rgd	11may95	current nov10 but no longer on the register	27aug19
TVS-2MS	<b>1G203-15</b>	RA-1573G	SibNIA	l/n	19aug17	Kortkeros; canx between 06nov19 and 27nov19	
An-2R	<b>1G203-57</b>	UK-17796		rgd	06dec95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G204-04</b>	UK-17803		rgd	21feb95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G204-26</b>	UK-17825	Uzbekistan Airways	rgd	07nov95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G208-50</b>	UK-81546	Uzbekistan Airways	rgd	19may95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G208-51</b>	UK-81547		l/n	15sep18	active over Bukhara but longer on the register	27aug19
An-2R	<b>1G209-02</b>	UK-81608	Uzbekistan Airways	rgd	15may95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G209-06</b>	UK-81612		rgd	21dec98	current nov10 but no longer on the register	27aug19
An-2R	<b>1G209-09</b>	UK-81615		rgd	11aug95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G209-10</b>	UK-81616		rgd	10mar98	current nov10 but no longer on the register	27aug19
An-2R	<b>1G209-28</b>	UK-81634		rgd	unknown	current nov10 but no longer on the register	27aug19
An-2R	<b>1G210-13</b>	UK-17989		rgd	04sep95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G214-19</b>	UK-40661		rgd	07may99	current nov10 but no longer on the register	27aug19
An-2R	<b>1G214-58</b>	UK-40700		rgd	20jun95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G215-42</b>	UK-40905		rgd	28aug95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G217-11</b>	UK-40971		rgd	05sep95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G221-18</b>	UK-40288		rgd	17may95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G221-20</b>	UK-40290		rgd	17may95	current nov10 but no longer on the register	27aug19
An-2R	<b>1G221-36</b>	UK-40306	no titles	TMJ	03mar06	current nov10 but no longer on the register	27aug19
An-2R	<b>1G224-55</b>	UK-40478		rgd	04may00	current nov10 but no longer on the register	27aug19
An-2	---	FLA-3583K	yellow c/s	Sht	07apr19		
An-2	---	FLA-3700K	yellow c/s	Sht	07apr19		
An-24RV	<b>1 73 069 05</b>	RA-49279	Turukhan	TOF	17sep19	stored; canx between 06nov19 and 27nov19	
An-24RV	<b>2 73 079 06</b>	RA-46468	Turukhan	Kjc	09jun15	canx between 06nov19 and 27nov19	
An-24RV	<b>2 73 080 07</b>	RA-46479	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-24RV	<b>2 73 082 07</b>	RA-46494	Katekavia	Kjc	09jun15	stored; canx between 06nov19 and 27nov19	
An-24RV	<b>3 73 084 06</b>	RA-46510	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-24RV	<b>4 73 095 06</b>	RA-46665	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-24RV	<b>6 73 106 01</b>	RA-47352	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-24RV	<b>6 73 107 04</b>	RA-47360	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-24RV	<b>7 73 107 07</b>	RA-47363	Polyarnyye Avialinii	no	reports	sale to Polar Airlines from Yakutiya reported nov19	
An-26	<b>05 03</b>	UP-AN601	H.A.D. Jet Cargo	QBL	01nov17	l/n Sharara 08feb19	
An-26B	<b>40 01</b>	9S-GYN	Air Kasai	no	reports	flown to Sudan for overhaul; ex 9Q-CYN	
An-26	<b>76 08</b>	UR-UDF	Ukrainian Cargo Airways	canx	01oct08	to be auctioned as scrap metal 20dec19 but no bidders	
An-28	<b>1AJ 002-08</b>	9S-GAX	Air Kasai	no	reports	shortly to enter service with Air Kasai; ex 9Q-CAX	
M-28	---	NA-063	Nepal Army Air Wing	h/o	17dec19	reported ex SP-DGO; c/n AJE003-19 ex 09-0319 ???	
M-28	---	NA-064	Nepal Army Air Wing	h/o	17dec19	reported ex SP-DGU; c/n AJE003-23 ex 10-0323 ?	
II-12	<b>8 30 23 11</b>	CCCP-01438	AFL/Northern	dbf	07jan60	on a cargo flight from Moscow-Vnukovo ; soc 05mar60	
II-14T	---	CCCP-00061	Aeroflot c/s	Kjo	21sep86	possibly coded "61" or "061" before	
II-76M	<b>0834 13396</b>	RF-86733	Russian Air Force	VVO	01dec19	equipped with guns	
II-76TD	<b>00334 46325</b>	UP-I7656			dec19	details from Ilyushin.org website; ex UR-CMB	
II-76TD	<b>00434 50484</b>	EP-PUN	Pouya Air	THR	01mar18	ex EY-637	
II-76TD	<b>00634 65963</b>	UR-UCQ	Ukrainian Cargo Airways	OZH	apr19	for sale as scrap metal, sold to TOV Radalis 10dec19	
II-76TD	<b>00634 70089</b>	UR-UCT	Ukrainian Cargo Airways	OZH	apr19	for sale as scrap metal, sold to TOV Radalis 10dec19	
II-76TD	<b>00734 76275</b>	UR-UCU	Ukrainian Cargo Airways	OZH	aug18	for sale as scrap metal, sold to TOV Radalis 10dec19	
II-78	<b>00834 82478</b>	UR-UCG	United Nations	OZH	apr19	for sale as scrap metal, sold to TOV Radalis 10dec19	
II-78	<b>00834 88638</b>	UR-UCF	Ukraine Cargo Airways	OZH	apr19	for sale as scrap metal	
II-76TD	<b>00934 93794</b>	20549	Chinese Air Force	Rzd	24jul19	ex 27609	
II-76TD	<b>00934 98971</b>	20547	Chinese Air Force	Kub	27aug18	ex 27610	
II-76TD	<b>10234 10339</b>	20640	Chinese Air Force	NAY	01sep19	ex UK-76358, 78692	
II-76TD	<b>10234 11378</b>	UP-I7646	AZee Air	no	reports	sale reported nov19 by ATDB	
II-76MD	---	"07" white	Uzbek Air Force	TAS	16oct19	also carried UK-76007; probably ex "05" red	
II-114-100	<b>21138 00208</b>	UK-91108	Uzbekistan	TAS	12mar18	full c/n now known	
II-114-100	<b>21238 00209</b>	UK-91109	Uzbekistan	TAS	31dec17	full c/n now known	
Ka-25	<b>2 91 22 02</b>	"16" yellow	Soviet Navy	Uue	01sep19	preserved in fake markings; ex fake RA-22452	
Ka-27M	---	RF-19181	Russian Navy	EIK	08apr19	coded "08" yellow	
Ka-226	<b>5233954108104</b>	RF-90599	Russian Air Force	Tom	07dec19	with 'VVS Rossi' titles and Russian stars	
Ka-226T	---	RF-17625	FSB	AAQ	late19	l/n ZIA aug19	
L-410UVP	<b>79 03 03</b>	9Q-GKX	Cetraca Air Service	rgd	2018/19	no AOC so it is stored at Goma; ex 9Q-CKX	
L-410UVP	<b>84 13 16</b>	EK-4105	all white, n/t	JUB	17oct19	suffered from flood damage at Jubba; canx 11dec19	
L-410UVP-E	<b>87 20 06</b>	9S-GRJ	Kin Avia	rgd	2018/19	ex 9Q-CRJ	
L-410UVP-E	<b>90 24 31</b>	TL-AAK	blue/white, n/t	MGQ	03nov19	c/n now known; ex OK-TCA	

L-410UVP-E	90 25 19	9S-GDP	Air Fast Congo	rgd	2018-19	ex 9Q-CDP
L-410UVP-E20	91 25 33	D4-CBR	Cabo Verde Express	SID	jul12	canx between 20jan16 and 20apr16; b/u SID nov19
L-410UVP-E20	06 26 36	ZS-ATJ	United Nations	EGN	22may19	
L-410UVP-E20	27 33	9N-AND		KTM	21nov19	c/n now known, ex RA-67012(2)
L-410UVP-E20	19 32 13	RA-67073 (2)	2nd Arkhangelsk Air Ent	rgd	12nov19	
L-410UVP-E20	19 32 18	OK-JDA (2)	Aircraft Industries	rgd	10sep19	d/d 12dec19 in full Gazprom c/s
L-410UVP-E20	19 32 19	OK-JDD (2)	Aeroservice Chita	d/d	02dec19	arrived SVX 03sec19
L-410UVP-E20	19 32 20	OK-JRW	Aircraft Industries	rgd	09oct19	f/f 18oct19 in full Gazprom c/s; d/d 12dec19
L-410UVP-E20	19 33 03	OK-JNA	Aircraft Industries	rgd	05sec19	f/f 09dec19 all white, no titles
PS-84	4 01	CCCP-L3938 (1)	Aeroflot	rgd	23sep40	became CCCP-L3900; w/o jan42 due to enemy action
Li-2T	184 201 08	CCCP-51146	AFL/Slavyansk ATU	trf	20aug66	became a GIA by the Slavyansk Technical College
Li-2	184 207 03	CCCP-L4198	AFL/Latvia	dbr	28mar58	on a training flight from Riga; c/n now known
Li-2T	184 228 01	CCCP-51129	AFL/Urals	soc	24jan66	became a GIA by the Slavyansk Technical College
Li-2	184 352 07	CCCP-L4821	AFL/Uzbekistan	dbr	09feb51	on a training flight from Tashkent; c/n now known
Mi-1MNXh	9 68 016 19	CCCP-68139	AFL/Ukraine	dbr	15may61	on landing at a ship, details unknown
Mi-1A	7 7 031 06	CCCP-40335	AFL/East Siberia	w/o	27dec63	with an intoxicated pilot at the controls
Mi-2	52 5908 118	no reg	no titles	photo	nov19	preserved in the restaurant "Ekspeditsiya. Severnaya kuhnya" at Pevcheski pereulok 6 in Moscow
Mi-2	51 8747 074	RA-15748(2)	Barkol	rgd	15dec05	canx between 06nov19 and 27nov19; see
Mi-2	54 9327 075	RA-23347	not known	rgd	03oct17	Albatros-Aero ?; canx between 06nov19 and 27nov19
Mi-2	54 9619 016	RF-00556	DOSAAF	Blv	apr19	stored; c/n known now
Mi-2	---	FLA-3762K	no titles	Sht	07apr19	illegal registration; in olive drab c/s
Mi-2	---	FLA-3811K	no titles	Sht	07apr19	illegal registration; in olive drab c/s
Mi-2	---	3998K	no titles	Sht	07apr19	illegal registration; in basic 'polar' Aeroflot c/s
Mi-2	---	3999K	no titles	Sht	07apr19	illegal registration; in basic 'polar' Aeroflot c/s
Mi-2	---	RF-00414	privately owned	Blv	09apr19	
Mi-2	---	"35" red	Jan Wengrzyn	photo	08sep17	preserved on the roof of a container with PHU Jan Wengrzyn at Jadwisin (N51.252461 E15.848724)
Mi-4A	03 22	CCCP-31469	AFL/Krasnoyarsk	dbr	03sep60	tail rotor touched water surface before landing
Mi-4A	17 121	"04" yellow	DOSAAF	Che	23jul07	preserved at Fedurnovo; c/n known now
Mi-6	968 46 03V	"26"	Soviet Army Aviation	photo		based in Poland; in grey c/s; photo at Stendal
Mi-8T	72 63	RA-22382	KrasAvia ?	rgd	21jun18	canx between 06nov19 and 27nov19
Mi-8T	75 31	RA-22803	KrasAvia	rgd	09nov09	canx between 06nov19 and 27nov19
Mi-8MT	9 3367	not known	Russian Air Force	mfd	22dec82	damaged 25oct02
Mi-8MT	9 3382	RF-95399	Russian Air Force	Sso	21sep19	coded "336" yellow
Mi-8MT	9 4087	not known	Russian Air Force	w/o	04sep96	CFIT probably encountered turbulence
Mi-8MT	9 4329	RF-95387	Russian Air Force	CKL	07jul17	coded "01; l/n Shagol jan18; c/n known now
Mi-8MTV-1	9 7279	RA-24173 (2)	Alrosa	rgd	15nov19	in full c/s; h/o 25nov19
Mi-8MTV-1	9 7516	RA-24119 (2)	Yamal	dam	24nov19	when the transmission of the tail rotor failed
Mi-171E	171E00218094710U	E-487	Ecuador Army	d/d	19dec10	c/n confirmed in overhaul tender
Mi-171	171S00604137441U/64U	EP-667 / EP-690	Peruvian Army	d/d	2014/2016	for these 24 Mi-171Sh c/n and serial tie up confirmed
Mi-8AMTSh	---	RF-04458	Russian Air Force	photo	sep19	coded "71" yellow
Mi-8AMTSh	---	RF-04472	Russian Air Force	Sso	21sep19	coded "61" yellow
Mi-8AMTSh	---	RF-04480	Russian Air Force	photo	sep19	coded "35" yellow
Mi-8AMTSh	---	RF-28504(2)	FSB	OMS	27aug19	
Mi-17	---	"500" blue	MVZ im. Milya	YWG	08oct92	in basic 'blue' Aeroflot c/s with Red Stars
Mi-17-1V	031M14	"155" yellow	Azerbaijani Air Force	mfd	2010	based at Baku-Qala; f/n jun13; l/n jun18
Mi-17-1V	---	"119" yellow	Azerbaijani Air Force	Eng	05dec19	t/t 607 hours and 1,623 cycles by 05dec19
Mi-17	---	BF1910	Burkina Faso Air Force	photo	12dec19	in olive drab c/s
Mi-171	---	LH921707	Chinese Army	photo	2019	79th Brigade at Liaoyang
Mi-171E	---	LH921731	Chinese Army	photo	nov19	Tibet/Xizang Brigade
Mi-171E	---	LH921735	Chinese Army	photo	nov19	Tibet/Xizang Brigade
Mi-171	---	LH921771	Chinese Army	photo	2019	79th Brigade
Mi-171V-5	---	LH921797	Chinese Army	photo	2019	79th Brigade
Mi-171V-5	---	LH971718	Chinese Army	photo	2019	79th Brigade
Mi-8T	226207	6207	Hungarian Air Force		jul19	preserved 8 at Svinary from mid-2019
Mi-17	---	TU-VHM	Ivory Coast Air Force	dam	27nov19	while parked Katiola hit by a landing Mi-24V TU-VHR
Mi-8MT	---	"114" red	Kyrgyz Air Force	h/o	27nov19	at Kant this day
Mi-8MT	---	"115" red	Kyrgyz Air Force	h/o	27nov19	at Kant this day
Mi-17-1V	792M03	J-1703	Turkish Jandarma	photo	19jun19	with 'Jandarma' titles
Mi-17-1V	792M19	J-1719	Turkish Jandarma	photo	17jun19	with 'Jandarma' titles
Mi-8MTV-1	860M03	UK-17202	Uzbek Government	mfd	06sep11	new CofR issued 08apr16; current on register 27aug19
Mi-8MTV-1	860M04	UK-17203 (2)	Uzbek Government	mfd	20mar15	new CofR issued 23mar16; current on reg. 27aug19
Mi-8TV	---	"08" white	Uzbek Air Force	photo		preserved in "Vatanparlarvar" (Patriot) park at Karshi
Mi-171E	---	"17" black	Uzbek Air Force	photo		at Dzhizak; code on sheet of paper in cabin window
Mi-8MT	---	"21" white	Uzbek Air Force	photo	02jan04	at Chirchik
Mi-8T	---	"44" white	Uzbek Air Force	photo	apr18	sat wfu (without rotors) at Karshi
Mi-24P	353243 19 26712	RF-93539	United Nations	Pus	11oct19	coded 'UN-47'; c/n now known
Mi-24P	353243 .. 26963	not known	not known	photo	2016	in 558 ARZ at Baranovich
Mi-24P	353243 29 27176	not known	Russian Air Force	w/o	01apr05	when the pilot performed an unauthorised stall turn
Mi-24VP	353245 49 10117	RF-34197	Russian Navy	photo	25sep19	coded "37" red; c/n known now
Mi-35M	---	RF-13022	Russian Air Force	photo	jul19	coded "26" blue
Mi-24	---	"99" white	MVZ im. Milya	YWG	08oct92	in white/blue c/s with 'Russian flag' trim
Mi-24P	---	H-396	Angolan Air Force	photo	22sep19	
Mi-24V	---	TU-VHR	Ivory Coast Air Force	w/o	27nov19	on landing at Katiola when hit parked Mi-17 TU-VHM
Mi-35PM	---	6813	Myanmar Air Force	photo	2019	converted from a Mi-24P built after 1984

Mi-35PM	---	6814 & 6815	Myanmar Air Force	toc	15dec19	at Meiktila; converted from a Mi-24P built after 1984
Mi-35M	---	35101	Serbian Air Force	d/d	02dec19	large code "101" white on the engine covers
Mi-35M	---	35103	Serbian Air Force	f/f	jul19	large code "103" white on the engine covers
Mi-35M	---	35104	Serbian Air Force	d/d	02dec19	large code "104" white on the engine covers
Mi-24P	---	"09" blue	Uzbek Air Force			photo
Mi-24P	---	"24" white	Uzbek Air Force			photo
Mi-24	---	"80" white	Uzbek Air Force	photo	04aug15	based at Chirchik; f/n Chirchik 04aug15
Mi-24P	---	"81" white	Uzbek Air Force			photo
Mi-24P	---	"83" white	Uzbek Air Force			photo
Mi-24P	---	"92" white	Uzbek Air Force			photo
Mi-24P	---	"99" white	Uzbek Air Force	photo	26apr19	based at Chirchik; in very dark olive drab c/s
Mi-28UB	<b>34029808244</b>	"17" red	Russian Air Force	dbr	11dec19	see online database for this unneeded crash
Mi-28UB	---	RF-06807	Russian Air Force	Kub	17oct19	coded "03" yellow
Mi-28UB	---	RF-06808	Russian Air Force	Kub	17oct19	coded "84" yellow
RRJ-95B	<b>95 175</b>	RA-89121	Azimuth	rgd	15jan19	h/o 04dec19 and ferried to KRR the same day
Tu-22M3	<b>49104 2 4 8</b>	RF-34050	Russian Air Force	ZIA	04sep19	coded "51" red; c/n now known
Tu-134A-3	<b>63357</b>	RA-65978	Sirius-Aero	GOJ	19apr18	stored; canx between 06nov19 and 27nov19
Tu-134AK	<b>63700</b>	RA-65099	Sirius-Aero	GOJ	05jul16	canx between 06nov19 and 27nov19
Yak-12R	<b>02 4 08</b>	CCCP-L5804	AFL/West Siberia	rgd	01oct54	became CCCP-05804 rgd 09may58
Yak-12R	<b>04 4 17</b>	CCCP-L5810	AFL/West Siberia	rgd	02dec54	became CCCP-05810 rgd 09may58
Yak-12R	<b>07 4 24</b>	CCCP-L5824	AFL/West Siberia	rgd	24may55	became CCCP-07824 rgd 09may58
Yak-12R	<b>08 4 16</b>	CCCP-L5844	AFL/West Siberia	rgd	06jun55	became CCCP-07844 rgd 09may58
Yak-12R	<b>08 4 18</b>	CCCP-L5845	AFL/West Siberia	rgd	04jul55	became CCCP-07845 rgd 09may58
Yak-12R	<b>08 4 19</b>	CCCP-L5843	AFL/West Siberia	rgd	16jul55	became CCCP-07843 rgd 09may58
Yak-12R	<b>08 4 24</b>	CCCP-L5846	AFL/West Siberia	rgd	16jul55	became CCCP-07846 rgd 09may58
Yak-12R	<b>10 4 19</b>	CCCP-L5890	AFL/West Siberia	rgd	24oct55	became CCCP-95890 rgd 09may58
Yak-12R	<b>10 4 30</b>	CCCP-L5897	AFL/West Siberia	rgd	24aug55	became CCCP-95897 rgd 09may58
Yak-12R	<b>11 4 37</b>	CCCP-L5918	AFL/Far East	rgd	24oct55	became CCCP-95918 rgd 09may58
Yak-12R	<b>11 4 38</b>	CCCP-L5923	AFL/West Siberia	rgd	10oct55	became CCCP-95923 rgd 09may58
Yak-12R	<b>13 4 04</b>	CCCP-T5954	AFL/West Siberia	rgd	29oct55	became CCCP-95954 rgd 1958
Yak-12R	<b>13 4 22</b>	CCCP-T5957	AFL/West Siberia	rgd	14dec55	became CCCP-95957 rgd 09may58
Yak-12M	<b>01 5 07</b>	CCCP-L5702	AFL/West Siberia	rgd	06feb56	became CCCP-05702 rgd 09may58
Yak-12M	<b>01 5 08</b>	CCCP-L5701	AFL/West Siberia	rgd	23feb56	became CCCP-05701 rgd 09may58
Yak-12M	<b>02 5 04</b>	CCCP-L5712	AFL/West Siberia	rgd	14feb56	became CCCP-05712 rgd 09may58
Yak-12M	<b>02 5 05</b>	CCCP-L5708	AFL/West Siberia	rgd	17feb56	became CCCP-05708 rgd 09may58; w/o 18oct62
Yak-12M	<b>02 5 14</b>	CCCP-L5722	AFL/West Siberia	rgd	14feb56	became CCCP-05722 rgd 09may58
Yak-12M	<b>02 5 15</b>	CCCP-L5721	AFL/West Siberia	rgd	08feb56	became CCCP-05721 rgd 09may58
Yak-12M	<b>03 5 16</b>	CCCP-L5758	AFL/West Siberia	rgd	14feb56	became CCCP-05758 rgd 09may58
Yak-12M	<b>03 5 27</b>	CCCP-L5771	AFL/Far East	rgd	17mar56	became CCCP-05771 rgd 20jun58; w/o 01aug60
Yak-12M	<b>05 5 09</b>	CCCP-L5781	AFL/West Siberia	rgd	07apr56	became CCCP-05781 rgd 09may58
Yak-12M	<b>05 5 10</b>	CCCP-L4100	AFL/West Siberia	rgd	18apr56	became CCCP-74100 rgd 09may58
Yak-12M	<b>05 5 28</b>	CCCP-L4021	AFL/West Siberia	rgd	26apr56	became CCCP-74021 rgd 09may58
Yak-12M	<b>05 5 34</b>	CCCP-L4029	AFL/Northern	rgd	04apr56	became CCCP-74029 rgd 13may58
Yak-12M	<b>07 5 09</b>	CCCP-L4110	AFL/West Siberia	rgd	18jun56	became CCCP-74110 rgd 09may58
Yak-12M	<b>07 5 11</b>	CCCP-L4113	AFL/West Siberia	rgd	18may56	became CCCP-74113 rgd 09may58
Yak-12M	<b>07 5 12</b>	CCCP-L4111	AFL/West Siberia	mfd	30mar56	became CCCP-74111 rgd 09may58
Yak-12M	<b>07 5 16</b>	CCCP-L4124	AFL/West Siberia	mfd	16mar56	became CCCP-74124 rgd 09may58
Yak-12M	<b>08 5 07</b>	CCCP-L4072	AFL/West Siberia	rgd	18jun56	became CCCP-74072 rgd 09may58; w/o 04jul64
Yak-12M	<b>08 5 10</b>	CCCP-L4074	AFL/West Siberia	rgd	08jun56	became CCCP-74074 rgd 09may58
Yak-12M	<b>08 5 13</b>	CCCP-L4082	AFL/West Siberia	rgd	18jun56	became CCCP-74082 rgd 09may58
Yak-12M	<b>08 5 20</b>	CCCP-L4088	AFL/East Siberia	rgd	04jul56	became CCCP-74088 rgd 27may58
Yak-12M	<b>08 5 21</b>	CCCP-L4090	AFL/West Siberia	rgd	unknown	became CCCP-74090 rgd 09may58
Yak-12M	<b>08 5 30</b>	CCCP-L4098	AFL/Northern	rgd	06jun56	became CCCP-74098 rgd 1958
Yak-12M	<b>09 5 05</b>	CCCP-L4151	AFL/West Siberia	rgd	unknown	became CCCP-74151 rgd 09may58
Yak-12M	<b>09 5 10</b>	CCCP-L4153	AFL/West Siberia	rgd	unknown	became CCCP-74153 rgd 09may58
Yak-12M	<b>09 5 11</b>	CCCP-L4155	AFL/West Siberia	rgd	unknown	became CCCP-74155 rgd 09may58
Yak-12M	<b>10 5 33</b>	CCCP-L4218	AFL/West Siberia	rgd	unknown	became CCCP-14218 rgd 09may58
Yak-12M	<b>10 5 34</b>	CCCP-L4219	AFL/West Siberia	rgd	unknown	became CCCP-14219 rgd 09may58
Yak-12M	<b>11 5 26</b>	CCCP-L4214	AFL/Moscow SPiMVL	rgd	04sep56	became CCCP-14214 rgd 17may58
Yak-12M	<b>11 5 27</b>	CCCP-L4216	AFL/Moscow SPiMVL	rgd	04sep56	became CCCP-14216 rgd 17may58
Yak-12M	<b>11 5 30</b>	CCCP-L4159	AFL/West Siberia	rgd	unknown	became CCCP-74159 rgd 1958
Yak-12M	<b>11 5 31</b>	CCCP-L4200	AFL/West Siberia	rgd	unknown	became CCCP-14200 rgd 1958
Yak-12M	<b>11 5 32</b>	CCCP-L4201	AFL/West Siberia	rgd	unknown	became CCCP-14201 rgd 09may58
Yak-12M	<b>12 5 16</b>	CCCP-L4265	AFL/West Siberia	rgd	unknown	became CCCP-14265 rgd 09may58
Yak-12M	<b>12 5 17</b>	CCCP-L4267	AFL/West Siberia	rgd	unknown	became CCCP-14267 rgd 09may58
Yak-12M	<b>12 5 18</b>	CCCP-L4268	AFL/West Siberia	rgd	unknown	became CCCP-14268 rgd 09may58
Yak-12M	<b>12 5 19</b>	CCCP-L4270	AFL/West Siberia	rgd	unknown	became CCCP-14270 rgd 09may58
Yak-12M	<b>12 5 22</b>	CCCP-L4275	AFL/West Siberia	rgd	unknown	became CCCP-14275 rgd 09may58
Yak-12M	<b>12 5 31</b>	CCCP-L4291	AFL/Uzbekistan	rgd	24jan57	became CCCP-14291 rgd 17may58
Yak-12M	<b>12 5 36</b>	CCCP-L4149	AFL/West Siberia	rgd	unknown	became CCCP-74149 rgd 09may58
Yak-12M	<b>14 5 12</b>	CCCP-L4156	AFL/West Siberia	rgd	unknown	became CCCP-74156 rgd 09may58
Yak-12M	<b>14 5 17</b>	CCCP-L1061	AFL/West Siberia	rgd	unknown	became CCCP-21061 rgd 09may58
Yak-12M	<b>14 5 25</b>	CCCP-L1074	AFL/West Siberia	rgd	unknown	became CCCP-21074 rgd 09may58
Yak-12M	<b>14 5 26</b>	CCCP-L1083	AFL/East Siberia	rgd	15feb57	became CCCP-21083 rgd 22may58
Yak-12M	<b>14 5 29</b>	CCCP-L1067	AFL/West Siberia	rgd	unknown	became CCCP-21067 rgd 09may58
Yak-12M	<b>17 5 27</b>	CCCP-Sh450	AFL/Sasovo Flying School	rgd	10jan57	became CCCP-56450 rgd 1958

Yak-12M	<b>18 5 04</b>	CCCP-T479	AFL/West Siberia	rgd	unknown	became CCCP-56479 rgd 09may58
Yak-12M	<b>18 5 09</b>	CCCP-T483	AFL/West Siberia	rgd	unknown	became CCCP-56483 rgd 09may58
Yak-12M	<b>20 5 31</b>	CCCP-T610	AFL/West Siberia	rgd	unknown	became CCCP-62610 rgd 09may58
Yak-12M	<b>20 5 38</b>	CCCP-T654	AFL/West Siberia	rgd	unknown	became CCCP-62654 rgd 09may58
Yak-12M	<b>21 5 32</b>	CCCP-L702	AFL/Yakutiya	rgd	05jul57	w/o 05aug57 on a flight from Sangar
Yak-12M	<b>21 5 35</b>	CCCP-L705	AFL/Yakutiya	rgd	05jul57	became CCCP-72705 rgd 17may58; w/o 10jul60
Yak-12M	<b>21 5 39</b>	CCCP-L721	AFL/West Siberia	rgd	unknown	became CCCP-72721 opb 116 AO as of 01jul62
Yak-12M	<b>24 5 36</b>	CCCP-K4288	AFL/West Siberia	rgd	14oct57	became CCCP-14288 rgd 09may58
Yak-12M	<b>24 5 37</b>	CCCP-K712	AFL/West Siberia	rgd	16oct57	became CCCP-72712 rgd 09may58
Yak-12M	<b>24 5 38</b>	CCCP-K714	AFL/West Siberia	rgd	03oct57	became CCCP-72714 rgd 09may58
Yak-12M	<b>25 5 01</b>	CCCP-K717	AFL/West Siberia	rgd	unknown	became CCCP-72717 rgd 09may58
Yak-12M	<b>25 5 02</b>	CCCP-K718	AFL/Latvia	rgd	17sep57	became CCCP-72718 rgd 29may58
Yak-12M	<b>25 5 36</b>	CCCP-K836	AFL/Turkmenistan	rgd	30nov57	became CCCP-26559 rgd 1958
Yak-12M	<b>25 5 37</b>	CCCP-X387	MkHP	rgd	20jul57	became CCCP-K840 rgd 30nov57 and later CCCP-21080 rgd 03oct58
Yak-12M	<b>25 5 38</b>	CCCP-K842	AFL/West Siberia	rgd	06jan58	became CCCP-40842 rgd 09may58
Yak-12M	<b>28 5 34</b>	CCCP-T102	AFL/West Siberia	rgd	13feb58	became CCCP-62602 rgd 09may58; soc 16nov59
Yak-12M	<b>29 5 01</b>	CCCP-T1013	AFL/West Siberia	rgd	17feb58	became CCCP-20013 rgd 09may58
Yak-12M	<b>6 12 7 83</b>	CCCP-L748	AFL/West Siberia	rgd	02oct57	became CCCP-72748 rgd 09may58
Yak-12M	<b>6 12 7 96</b>	CCCP-L831	AFL/Moscow SPiMVL	rgd	11oct57	became CCCP-40831 rgd 17may58
Yak-12M	<b>6 12 7 100</b>	CCCP-L841	AFL/Far East	rgd	03dec57	became CCCP-62603 rgd 20jun58
Yak-12M	<b>6 12 7 106</b>	CCCP-K858	AFL/West Siberia	rgd	16oct57	became CCCP-40858 rgd 09may58
Yak-12M	<b>6 12 7 110</b>	CCCP-L863	AFL/West Siberia	rgd	25oct57	became CCCP-40863 rgd 09may58
Yak-12M	<b>7 12 7 141</b>	CCCP-L539	AFL/West Siberia	rgd	17feb58	became CCCP-26539 rgd 09may58
Yak-12M	<b>7 12 7 156</b>	CCCP-L544	AFL/West Siberia	rgd	02jan58	became CCCP-26544 rgd 09may58
Yak-12M	<b>8 12 7 167</b>	CCCP-26564	AFL/Moscow SPiMVL	rgd	unknown	w/o 30may60 on a crop-spraying flight
Yak-12	---	CCCP-T0722	AFL/West Siberia		17may58	a repeated request for new registration was issued
Yak-12	---	CCCP-T0723	AFL/West Siberia		17may58	a repeated request for new registration was issued
Yak-12	---	CCCP-T0733	AFL/West Siberia		17may58	a repeated request for new registration was issued
Yak-40	<b>9 52 19 41</b>	RA-87535	IDGC	Kjc	17sep19	stored; canx between 06nov19 and 27nov19
Yak-42D	<b>452042 27 08 295</b>	RA-42344	Biznes-Aero	RTW	may19	stored; canx between 06nov19 and 27nov19
Yak-42D	<b>452042 12 19 043</b>	RF-44710	Rosgvardiya	rgd	unknown	in white c/s with dark blue belly and tail and red trim,
MA60	<b>08 7 III 15</b>	MT-302	Cambodian Air Force	PNH	14dec19	c/n now known
MA600	<b>09 7 III 07</b>	RDPL-34252	Lao Skyways	trf	2019	ex RDPL-34022 which was l/n VTE 06nov19
ARJ21-700	<b>130 ?</b>	B-001K	Jiangxi Air	photo	01nov19	at Nanchang-Yaohu; c/n not confirmed!
KJ500	<b>58 18 06</b>	unknown	primer	photo	dec19	all primer just the c/n '5806' on the nose
Y5	---	6516	Chinese Air Force	photo	dec19	
Y5	---	6710	Chinese Air Force	photo	oct17	
Y8 AEW	---	CR-874	Sri Lanka Air Force	photo		in basic Chinese AF c/s when the AEW radardome was placed on top
Y12-II	<b>0083</b>	RCAF-601	Cambodian Air Force	PNH	13dec19	ex XU-016; c/n checked
Y12-II	<b>0084</b>	RCAF-602	Cambodian Air Force	PNH	13dec19	ex XU-017; c/n checked

## PH register

### Newly registered aircraft:

PH-ADT	CRJ900ER (CL-600-2D24)	<b>15215</b>	14nov19	Ex S5-AAO.
PH-BAA	Aquila A210 (AT01)	<b>AT01-214</b>	26nov19	Ex G-GAEA.
PH-BAG	Aquila A210 (AT01-100)	<b>AT01-100A328</b>	19nov19	Ex G-GAED.
PH-BKD	Boeing 787-10	<b>42492</b>	11nov19	KLM.
PH-FVJ	Cessna F172P	<b>F17202143</b>	27nov19	Ex D-EIMV.
PH-GOF	Cameron V-77	<b>3248</b>	27nov19	Ex OY-GOF.
PH-IIX	Van's RV-12IS	<b>121073</b>	22nov19	
PH-NAZ	Piper PA-34-200	<b>34-7350318</b>	05nov19	Ex HA-OTI, N758BL, G-BFKY, PH-NAZ.
PH-OLZ	Kubicek BB.34Z	<b>697</b>	06nov19	Ex D-OALZ.
PH-PDK	Eurocopter EC120B	<b>1203</b>	26nov19	Ex 4O-VIP, D-HOER.
PH-ZAZ	Beech B200	<b>BB-1478</b>	22nov19	Ex G-MEDZ, EC-JGB, D-IHAN, N8150N.
PH-7M3	Fly Products Xenit	<b>M2 3918</b>	20nov19	
PH-200	Slingsby T21B	<b>536</b>	25nov19	Ex BGA646/ATL, G-ALKS.
PH-408	Schleicher K-8B	<b>8943</b>	19nov19	Ex PH-408.
PH-1021	Schleicher K-7	<b>648</b>	29nov19	Ex PH-1021, OO-ZYI, D-5730.
PH-1638	Schempp-Hirth Discus-2cT	<b>51</b>	07nov19	Ex D-KBRP.

### Change of ownership:

PH-AWB	Cessna 172N	<b>17272082</b>	11nov19	
PH-EQV	Glasair II RG	<b>1072</b>	08601	08nov19
PH-FIS	Cessna 525	<b>525-0514</b>	06412	12nov19
PH-FMI	Rockwell RC690B	<b>11482</b>	09687	14nov19
PH-IVR	Fire Balloons G34/24	<b>1708</b>	09688	11nov19
PH-JBJ	Piper PA-34-220T	<b>3433157</b>	03926	06nov19
PH-JEF	Cameron N-56	<b>397</b>	08410	13nov19
PH-LKP	Fire Balloons G 30/24	<b>1387</b>	07559	11nov19
PH-MAF	Cessna F172N	<b>F17201724</b>		11nov19
PH-OCA	Fire Balloons G 30/24	<b>342</b>	06780	11nov19
PH-SPV	Grob G115	<b>8041</b>	06779	15nov19
PH-TES	Tecnam P92-JS	<b>031</b>	08092	01nov19
PH-VES	Cessna F172P	<b>2063</b>	03497	11nov19

PH-WSF	Piper PA-28-140	<b>28-7325019</b>	05570	15nov19	
PH-4Q2	TL TL-3000 Sirius	<b>14-SI-97</b>	09272	29nov19	
PH-654	Rolladen-Schneider LS-3A	<b>3140</b>	02819	04nov19	
PH-1468	Schempp-Hirth Discus b	<b>151</b>	07633	27nov19	

**Cancelled from register:**

PH-BBF	Tecnam P2008 JC	<b>1132</b>		20nov19	To India.
PH-FIS	Cessna 525	<b>525-0514</b>	06412	25nov19	To Australia.
PH-HSA	Boeing 737-800	<b>34171</b>	07885	11nov19	To PR-HSB.
PH-HXF	Boeing 737-800	<b>62153</b>	09202	04nov19	To PR-GZD.
PH-HXK	Boeing 737-800	<b>62157</b>	09331	11nov19	To PR-GZL.
PH-HXN	Boeing 737-800	<b>63623</b>		04nov19	To PR-GZR.
PH-HXO	Boeing 737-800	<b>63577</b>		11nov19	To PR-GZJ.
PH-KWC	Lindstrand LBL-150A	<b>625</b>	05762	26nov19	More than 1 year without valid airworthiness document.
PH-MSR	Colt 21A	<b>3532</b>	08999	06nov19	To Austria.
PH-RVG	Piper PA-28-181	<b>28-8390024</b>	03715	08nov19	To Germany.
PH-STY	Piper PA-28RT-201T	<b>28-31036</b>	07161	29nov19	To Poland.
PH-TMI	Cameron Z-90	<b>4672</b>		13nov19	To OK-1959.
PH-2Z2	Jora	<b>4837805</b>	20475	18nov19	More than 1 year without valid airworthiness document.
PH-8E3	Adventure X-Race	<b>M4 1330 XR</b>	07987	26nov19	More than 1 year without valid airworthiness document.
PH-8P2	Fresh Breeze Thorix	<b>050</b>	21034	06nov19	More than 1 year without valid airworthiness document.
PH-9N1	Fresh Breeze Monster	<b>480</b>	20760	15nov19	More than 1 year without valid airworthiness document.
PH-9N9	Fresh Breeze 122 AL 2 F	<b>2549</b>	20745	21nov19	Wfu.
PH-408	Schleicher K-8B	<b>8943</b>	02117	11nov19	More than 1 year without valid airworthiness document.
PH-501	Schempp-Hirth Standard Cirrus		<b>458</b>	02173	20nov19 To Brazil.
PH-1218	Schempp-Hirth Ventus 2cT	<b>69</b>	06072	25nov19	To Hungary.
PH-1226	PZL-Bielsko SZD-51-1	<b>B-1843</b>	06111	26nov19	To Poland.
PH-1250	Schleicher ASK-21	<b>21058</b>	06182	15nov19	To Germany.
PH-1310	Schempp-Hirth Ventus bT	<b>45</b>	06577	28nov19	To Slovakia.

Credits: Inspectie Leefomgeving en Transport, airnieuws.nl, ballonregister.nl.

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# Wrecks & Relics



Former Hungarian Mi-8T 6207 appeared a few months ago in a private yard east of Hradec Králové. It came from Trenčín. (Svinany, 1 December 2019, Vaclav Kudela).

## Netherlands

Barneveld  
A-301 Alouette 3 preserved **1301** dec19  
Not mentioned before, but this Alouette left Gilze Rijen on 11 February to join the collection of Henk van Herten at Barneveld.

Gilze Rijen  
SH-14D 272 was noted road running out of the base on 3 December 2018. It is now preserved at Terry's Farm at Woodmancote in the UK.



SH-14D 272 at Woodmancote. (10 November 2019, Phil Adkin)

Woensdrecht  
595 F-5B stored, ex Norway **N9004** nov19  
J-232 F-16A stored, tail from J-231 **6D-21** nov19  
J-249 F-16A stored **6D-38** nov19  
N-226 Hunter F6 stored **8858** nov19  
(R-111) L-21B PH-VCY, stored **18-3601** nov19  
R-213 L-21A PH-RED, wreck **18-568** nov19

These aircraft were with the Logistiek Centrum. The two Piper Super Cubs were involved in the fatal mid-air collision in June 2019.

## Belgium

Koksijde  
In December the Belgium military were offering Sea Kings RS02 and RS04 for sale. A group of Belgium's together with Historic Helicopters from Chard, UK, have made a bid on RS04 with the ultimate goal to get it airworthy again.

## Czechia

Svinány  
(6207) Mi-8T stored, ex Hungary **226207** dec19

The unknown Mi-8 listed in Scramble 485 under Blešno has been identified and came from Trenčín. The tailboom seems to be from another aircraft. The location is Svinány (N50.21845, E15.90546), which is between Blešno and Hradec Králové.

## France

Cazaux (33)  
E18 Alpha Jet E preserved jul19  
The Alpha Jet is preserved at the entrance of the ETO01.008 area.

Excebevex (74)  
220/30-QU Mirage F1CT preserved, ex Châteaudun dec19  
The expected Mirage (see Scramble 482) has arrived on 5 December at the Ailes Anciennes de Haute Savoie.

Orange (84)  
636/112-NL Mirage F1CR preserved, ex Châteaudun oct19  
The Mirage is with the Musée Aéronautique d'Orange.

## Germany

Altenburg Nobitz (TH)  
(B-12) S58C (D-HAUD), preserved **58-388** oct19  
The former Belgian and Frankfurt Rhein Main instructional S58 arrived on 30 October at the Flugwelt museum.

Eshbach Bremgarten (BW)  
(20286) Harvard 4 D-FAME **CCF4-077** nov19  
36 white LET C11 D-FYWM, ex Egypte **171103** nov19  
(MM53772) G59-4B D-FIAT, as MM53278 **179** nov19  
(B-104) AT-16ND D-FRCP, as/ex FS728 **14A-868** nov19  
(C.4E-88) Bf109E-1 restoration nov19  
(C.4K-64) HA1112M-1L (N109FF), restoration nov19  
U-56 Bu133C N133BJ, ex Swiss, ex Tatoi **3** nov19  
(U-77) Bu133C D-EEEP, ex Swiss **24** nov19  
(U-108)/14 P2-05 G-BJAX, stored, fuselage **28** nov19  
1 white C3603 red c/s nov19  
(VZ365) Sea Fury T20 N1945H nov19  
(VX302) Sea Fury T20 D-CACE, red c/s nov19  
WJ298/308-K Sea Fury FB11 N79SF, ex 308/Iraq nov19  
(44-34769) A-26B (N500MR), restoration **28048** nov19  
44-63889 P-51D N4034S **122-31615** nov19  
44-72773 P-51D D-FPSI **122-39232** nov19  
44-73871/TF-871 TF-51D D-FTSI **122-40411** nov19  
43-29282 L-4H N46779 **10573** nov19

42-17159 (124541)	PT-13D F4U-5NL	D-EPTD, for sale D-FCOR, as 123176	<b>75-5322</b>	nov19
138301/117	T-28B	NX228MC	<b>200-372</b>	nov19
140025/2S-025	T-28B	N228AC, ex 233/Honduras		nov19
5 white	Yak-3UA	D-FYGJ, new build	<b>0470204</b>	nov19
50 grey	Yak-52	G-CBRW	<b>9111415</b>	nov19

All these were noted in the hangar of Meyer Motors with the exception of P2-05 U-108 (which was stored on a container and had fire damage after being used for a film) and C3603 (was parked outside and was only marked with a big white 1). Trojan 140025 is Freiburg based and the F4U Corsair is also ex 0433/Argentina. Mustang D-FPSI is also ex 120/Nicaragua, while D-FTSI is ex 9245/Canada and ex Israel.

#### Freiburg (BW)

PT-17 D-ECAL/41-8137 was still here in November 2019, but is due to go to Australia in January 2020.

#### Ramstein (RP)

74-1663/RS C-130H instructional **4598** nov19  
The Hercules arrived in April 2019.

#### Ramstein Miesenbach (RP)

(30+74) G91R/3 stored, ex Rothenburg **336** dec19  
The all blue Gina is stored in a yard in the town of Ramstein (N49.45159, E7.55536).

#### Zweibrücken (RP)

(6873) C-47A ZS-NTE **11926** nov19  
The ex South African C-47 is under rework with Solution Air.

#### Greece

##### Tatoi

160080 T-2E preserved **396-22** nov19  
88018/TE-018 T-37B preserved **41123** nov19

Both are pole-mounted at the Air Force Academy and both came from Kalamata.

##### Kato Agios Markos

6680 F-104G restoration **6680** may19  
The International F-104 Society reports that the Starfighter has moved from Corfu airfield to a private collector.

#### Italy

##### Bracciano (RM)

MM80571EI-510 AB206A-2 preserved **8216** oct19  
Parked in the grass next to the HQ building.

##### Cassano Magnago (VA)

(MM54110) T-6G stored sep19  
The Harvard is dismantled in an open shed with the Oasi Agro-

turismo company. Its serial is overpainted, but still readable.

#### Catania Fontanarossa (CT)

(MM5002N)/5-01	A106	preserved, in hangar	<b>2</b>	dec19
(MM25159)/8-01	P166DL3	preserved, main gate	<b>481</b>	dec19
MM62011/41-11	S208M	preserved, with army	<b>3-90</b>	dec19
MM80366/3-05	AB204ASW	preserved, with navy	<b>3106</b>	dec19
MM81184/6-33	SH-3D	preserved, with navy	<b>6041</b>	dec19
MM81487/2-08	EH101-110ASW	damaged, in hangar		dec19
(I-VFML)/VF-37	AB204B	preserved, Vigili del Fuoco		dec19

The A106 here is MM5002N (should be coded 5-02) and not MM5001N as previous reported. The EH101 is the helicopter which recently had an accident on board of ITS Caio Duilio. P166 MM25163/8-05 was still stored on base and MB326 MM54245 was still on the roundabout in town.

#### Grottaglie (TA)

MM5001N/5-01	A106	preserved	<b>1</b>	dec19
MM5003N/6-01	SH-3D	preserved	<b>6000</b>	dec19
MM5008N/6-06	SH-3D	preserved	<b>6005</b>	dec19
MM5024N/6-23	SH-3D	preserved	<b>6021</b>	dec19
MM7210/1-10	AV-8B	MM7216, preserved	<b>268</b>	dec19
MM80947/7-15	AB212ASW	preserved	<b>5119</b>	dec19
MM80948/7-16	AB212ASW	preserved	<b>5122</b>	dec19
MM81092/7-47	AB212GE	preserved	<b>5158</b>	dec19
MM81100/7-55	AB212GE	preserved	<b>5172</b>	dec19

All these are preserved on the base. The A106 is the real MM5001N and come from La Storta. Also AB212 MM80948 is new.

#### La Storta (RM)

MM5026N/6-25 SH-3D preserved **6023** jul19

The Sea King replaces the A106, which went to Grottaglie, at the gate of the navy barracks. The aircraft is here since October 2016 and visible from outside (N41.98472, E12.36875).

#### Martina Franca (TA)

The AB212 at the 16 Stormo training area (N40.67544, E17.26584) has been reported several times in the past as MM81207. However a picture from December 2019 shows it as MM81150 (ex stored Grazzanise).

#### Pratica de Mare (RM)

MM81006/GF-82	NH500MC	stored	<b>17-0266M</b>	dec19
MM81015/GF-86	NH500MC	stored	<b>21-0270M</b>	dec19
MM81050/GF-92	NH500MC	stored	<b>27-0280M</b>	dec19
MM81053/GF-95	NH500MC	stored	<b>30-0283M</b>	dec19
MM81057/GF-99	NH500MC	stored	<b>34-0287M</b>	dec19
MM81062/GF-104	NH500MC	stored	<b>39-0292M</b>	dec19
MM81063/GF-105	NH500MC	stored	<b>40-0293M</b>	dec19



The Flugzeugmöbel company from Alswailer, Germany, wanted to convert their Piaggio P149D JB+391 into an eye-catcher. They currently did that, but the result is probably not to every aviation enthusiast liking. (15 November 2019, Tim Jones)



Agusta A106 MM5001N/5-01 is preserved at Grottaglie. It is one of the two A106s tested by the Italian Navy since 1965. The project was cancelled by 1973 with no production aircraft being built. (2 December 2019, Phil Adkin)

(MM81066)/GF-108	NH500MD	stored	<b>103</b>	dec19
MM81068/GF-110	NH500MD	stored	<b>105</b>	dec19
MM81069/GF-111	NH500MD	stored	<b>106</b>	dec19
MM81218/GF-129	NH500MD	stored	<b>126</b>	dec19
(MM81701)/GF-313	AW109N	stored, damaged		dec19

These were all noted in a Guardia Di Finanza hangar and all the NH500s are for sale. A second hangar had:

MM25171/GF-01	P166DP	stored	<b>465</b>	dec19
MM25172/GF-02	P166DP	stored	<b>466</b>	dec19
MM62263/GF-05	P166DP	stored	<b>701</b>	dec19
MM62264/GF-06	P166DP	stored	<b>702</b>	dec19
MM62265/GF-07	P166DP	stored	<b>703</b>	dec19
MM62266/GF-09	P166DP	stored	<b>704</b>	dec19
MM62267/GF-10	P166DP	stored	<b>705</b>	dec19
MM62268/GF-11	P166DP	stored	<b>602</b>	dec19

Noted at the rear of the admin building were:

(MM81001)/GF-77	NH500MC	stored	<b>12-0261M</b>	dec19
MM81191	A109A	stored	<b>7312</b>	dec19

Three aircraft were noted in the maintenance under restoration for the Guardia Di Finanza museum. The museum itself was unchanged.

MM61714	C-45F	restoration	<b>6976</b>	dec19
MM81137/GF-117	NH500MD	restoration	<b>116</b>	dec19
MM81443/GF-201	AB412HP	restoration	<b>25701</b>	dec19

## Norway

### Arendal Gullknapp

7343 SAAB 91B-2 SE-ITF **91343** may19  
The SAAB, which is in Norwegian Air Force colours, arrived on 29 May 2019 from its former base of Jönköping, Sweden.

## Poland

### Busko Zdroj (SWK)

315 MiG-15UTI preserved **3315** sep19  
The MiG was placed at its current location (N50.47421, E20.71235) in July 2019, just outside the small Muzeum Techniki Wojskowej i Obrony Przeciwlotniczej. It had arrived in April 2018 and came from Rembertów.

### Garzgorze (POM)

MiG-23MF 001 has gone from the petrol station in this village north of Lubork. Only An2T 1316 was present in November 2019.

### Gnieźdzewo (POM)

8055 MiG-21MF-75 preserved **96008055** nov19  
The MiG-21 is displayed at the maze on the north side of the village. It was last reported some 20 years ago at Waliszew. Also a second unmarked An-2 has been added.

### Napoleon (SLK)

(8001)/22 Su-22M4 preserved **28001** sep19  
The recreation park has added this former Deblin Su-22 to their collection.

### Olchowa (PKR)

Also here a reduction of aircraft, gone have MiG-21R 2503, MiG-21UM 9296 and TS-11 321. Still here in November 2019 were An-2T 5706, TS-11 108 and Mi-2 28 red/RA-23668.

### Ostrów Wielkopolski (WKP)

The unknown pole mounted Lim-1, which used to be marked 1966, now carries serial 034. Maybe an indication for its correct serial.

### Sobienie (MAZ)

An-2T 8551/SP-KBA has been sold and has gone.

### Rogowo (ZPM)

The six preserved aircraft listed in EMOOS were still present in November 2019. The staff mentioned several new aircraft are planned to arrive; an Il-2 from Kraków, an Il-28 from Kołobrzeg, a MiG-19P from Poznań, a MiG-23 from Germany and a SM-2 from Kołobrzeg.

### Warsaw - Bemowo (MAZ)

301	I-22/M93M	(SP-PWI), stored	<b>ANA03-01</b>	nov19
4038	Mi-2P	dumped	<b>544038035</b>	nov19
(612)	Mi-8T	dumped, green	<b>10612</b>	nov19
613	Mi-8PS	stored	<b>10613</b>	nov19
(621?)	Mi-8T	dumped, no boom		nov19
006	PZL130TM	preserved	<b>01870006</b>	nov19
015	PZL130TC-2	dumped, dismantled	<b>02930015</b>	nov19

016	PZL130TC-1	stored	<b>02930016</b>	nov19
1703	TS-11	stored	<b>3H-1703</b>	nov19
1706	TS-11	stored	<b>3H-1706</b>	nov19

All these are with the Instytut Techniczny Wojsk Lotniczych (Air Forces Institute of Technology) at N52.25090, E20.93770. The preserved aircraft is at the gate. The stored aircraft are on a ramp at the back of the facility, while the dumped ones are at a compound near the fence on the side of the highway. Mi-8T 621 carries a plate marked 10622. However 622 is still an active aircraft and by deduction it should be 621 which was noted in the same colours and markings at Leźnica in 2012.

## Romania

Gagu				
223	IAR93B	preserved	<b>93188223</b>	dec19

The IAR93 is at the airfield on the south side of the village (N44.61205, E26.26003) and has arrived March 2015.

## Slovakia

Košice				
0745	L-39V	preserved	<b>630745</b>	nov19

The Albatros arrived from Sliač for the Letectva Múzeum.

## Slovenia

Pivka				
(640)	Mi-8T	preserved	<b>10640</b>	dec19

The Park Vojaška Zgodovine (Park of Military History) exchanged a tank for a Mi-8 in Poland. The Mi-8 arrived on 30 November at the museum and came from Leznica Wielka.

## Spain

Berrioplano				
(HA.8A-4)/003	AB204B/AS	stored	<b>3133</b>	nov19
(HR.12A-4)	AB206A-1	stored	<b>8140</b>	nov19

Paintball Navarra (just north-west of Pamplona) has two real helicopters at N42.84053, W1.70276.

Leganés				
(U.9-10)	C127	preserved	<b>10</b>	nov19

This CASA is preserved at the back of a school (N40.33985, W3.76725). It used to be at another location more to the south in the same village. Leganés is some 3 km south of Cuatro Vientos.

## Sweden

Skå Edeby				
(MM57227)	SM1019E	D-EVLG	<b>1-035</b>	may19

The aircraft arrived on 22 April 2017 from Italy and still has its Italian military colours. It was listed with base unknown with Germany in EMOOS.

## Vallentuna

The ex Canadian CC-129 12906/9Q-CUK has become N41CQ and left on 16 October 2019 bound for China. It was for sale a month earlier for USD 395.000.

## Turkey

Konya				
66-0293	F-4E	preserved	<b>2373</b>	nov19
OR-2434	AS365N2	preserved	<b>6434</b>	nov19

Both are preserved on a small platform at the Necmettin Erbakan Üniversitesi at N37.86679, E32.41939. The Dauphin is from the Turkish General Directorate of Forestry and was stored at Etimesgut.

## United Kingdom

Bentwaters, Suffolk				
(FU-6)	F-84F	preserved		sep19

The Cold War Museum at Bentwaters took delivery of an ex Belgian F-84F from storage at RAF Cosford on 25 September 2019.

Long Kesh, Northern Ireland				
XX530/F	Bulldog T1	XX637	<b>307</b>	dec19

The Ulster Aviation Museum took delivery of a Bulldog on 1 December 2019. It was last heard of stored at Kinloss, Scotland.

Montrose, Scotland				
WT619	Hunter F1		<b>41H-665454</b>	oct19

A Hunter arrived here from storage at MOD Stafford on 28 October 2019 to join the Air Station Heritage Centre collection.

Pirbright, Surrey				
ZE380	Lynx AH9A		<b>324</b>	dec19

A Lynx was trucked from Middle Wallop to the Army Training Centre in December, presumably for instructional use.

**Credits:** Phil Adkin, Ed Davison, Patrick Dirksen, Vaclav Kudela, Paco Rivas, Ben Sadler



CASA 127 U.9-10 is parked at the back of a school in Leganés. It colours, engines and propellers are not what you would call standard. (30 November 2019, Paco Rivas)

# Warbirds



*It is hard to imagine that this Boeing B-29 44-69972 (N69972) spent 42 years in the Mojave desert, acting as a target practice plane. The bomber was discovered by Tony Mazzolini in 1987, salvaged and returned to the Boeing Wichita facilities. In fifteen years time the aircraft was completely restored to flying condition by former Boeing employees. Named 'Doc' (one of Disney's seven dwarfs) the Superfortress made its first flight on 17 July 2016. From then on, 'Doc' was the second airworthy B-29 in the world, next to Commemorative Air Force 'Fifi'. N69972 is operated by a group called 'Doc's Friends' who even organise passenger flights. A 30-minute flight will cost you from \$600 to \$1500, depending on your position. 'Doc' is seen here overhead Sheppard AFB during the Guardians of Freedom Air Show (26 October 2019, Otger van der Kooij)*

## Australia

It took the RAAF Museum eight years to complete the restoration/major overhaul program of their Mustang A68-170. The CAC built machine, registered as VH-SVU, made its first post-restoration flight on 14 November. Flight Lieutenant Peter Clements was at the controls flying from RAAF Point Cook. In the three weeks that followed, a test program was flown, which was successfully completed on 6 December.

On 16 December 2019, Vought Corsair F4U-5N BuNo 123168 has returned to flying status after repairs to damage sustained in a wheels up landing nearly three years ago. The test flight was considered successful as no defects were reported. This Corsair is a unique machine, as, unlike all of its F4U and FG-2 family members, it is not finished in US Navy or US Marines colours. The fighter, registered as VH-III, is the only Corsair in the world flying in (its original) Fuerza Aerea Hondurena (Honduras Air Force) colours as FAH603.

## Belgium

Backed up by the British Historic Helicopters foundation, a group of Belgian enthusiasts have plans to bring the former Belgian Air Force Sea King M48 RS04 back to life. After careful planning, the group has made an official offer to buy the iconic helicopter from the Belgian state. RS04 is currently still stored at its former base, Koksijde.

## Czech Republic

Recently a rare WW II Miles M-14A Magister trainer has found its way to the Czech Republic. The aircraft, registered as LV-X246, was imported from Argentina by the "RAF Station Czechoslovakia" organisation at Podhorany airfield. It will join the other two aircraft in the collection, Tiger Moths N9503 (G-ANFP) and R5246 (G-AMIV) "RAF Station Czechoslovakia" was formed as a living tribute to the brave young Czechoslovak pilots who had decided to leave their home country and join the RAF.

The Magister concerned (**873**), was built for the RAF as N3827 by Miles Aircraft Ltd in Reading in 1938 and taken on charge by No.15 Elementary & Reserve Flying Training School in Kidlington. It had flown there until 2 September 1939. One day later the trainer was sent to No.5 Elementary Flying Training School based at Hanworth (later Meir Airfield). The airplane was then assigned to No.2 Flying Instructors School, Montrose- Scotland in the beginning of 1942. It was to train flight instructors for elementary and advanced Flying Schools on both single- and multi-engined aircraft. The second part of the training was performed on Airspeed Oxfords Mk.I. During WW II numerous Czechoslovak pilots passed their tutorials there. After the war the Magister was sold to a branch of the Argentinian Air Ministry. It was registered as LV-XSG in June 1947 for use by the Aero Club Villa Maria which passed it on to the Aeroclub San Martín in 1961. After a long period of storage the aircraft was brought back to airworthy status by Argentinian restorer Hector Poulain in 2005. It was registered in the experimental category as LV-X246. The aircraft was delivered in a container to Podhorany Airfield on 5 November 2019. It was then assembled and flown again on 22 November 2019. A few days later the aircraft was ferried to Henstridge (UK) for a major renovation (currently being in progress) by Kevin Crumplin & Co. It will also receive new paint, to be obtained at Vintage Fabrics Ltd. The aircraft is being registered as G-CLHY and will be repainted as RAF N3827.

## Denmark

It is with deep regret that the Danish Dakota Friends had to inform the aviation community that a number of unfortunate circumstances have made it necessary to ground the Danish DC-3 OY-BPB. They have recently found iron filings in engine #1, way over the limit (792 and the limit is 10). They are trying to locate from where exactly they come from, but the crank house is the most likely cause. The decision to ground OY-BPB has been made on the basis of the high costs that

can be expected. The Danish Dakota Friends quote in their newsletter that they need two engines, two props (within the next two years), a repaint, and seemingly extensive maintenance judging from the prices they quote. But they also state shortages of skilled volunteers, as both engineers and pilots with DC-3 experience are becoming rarer and rarer. But on the short term, the engines seem to be the most expensive lumps that are causing the problems. OY-BPB, flown in Royal Danish Air Force colours as 'K-682' and named "Den Gamle Dame" will be retired after more than 75 years of service and placed on static display at a museum. We will miss her!

## France

We reported earlier, in Scramble Magazine 486, on the plans of a French group called D-Day Wings to acquire a C-47. At that time D-Day Wings did not want to share the identity of the C-47 they had laid their eyes on. But now they have revealed a photograph of their catch. Their candidate is C-47B-15-BK N514AC (26558). Initially used by the USAAF as 43-49297 the Skytrain was later passed on to the US Navy as BuNo 50788. The transport was civilianised in 1968 and had numerous owners/operators until it was finally taken up in the inventory of the Collings Foundation of Stow (MA) in July 2014. Although not a real AC-47 Gunship, N514AC was flown as one for many years, in full SEA camouflage, coded 'EN' and named 'Spooky'. D-Day Wings intends to restore and return this airworthy Douglas C-47 to France, where it will be based at Caen-Carpique. The organisation plans to fly their vintage transport during scenic flights over the Normandy beaches and during parajumps over the historic drop-zones. Their C-47 will be painted as 42-92415 "Miss Annabelle Lee" with code "J7" as was flown by the 303rd squadron of the 442th troop carrier group from Fulbeck in the south of England.

After more than 30 years of storage in a remote place called Carefree, near Phoenix (AZ) a Boeing Stearman D75N1, N56938 (42-15665), has returned to flight in France. Flown by pilot Rodolphe Revillet, it made its first flight from Chartres on 8 November 2019. The biplane has been adorned with colourful US Coast Guard colours and code '202'. N56938 is owned by a group called 'Chartres Classic Airplanes' which is based in the hangar of Les Dezing'Eure et Loir at Chartres.

Another classic biplane, DeHavilland DH82A F-AYMP, made its first post restoration flight on 26 October 2019. It is owned by the "Les Ailes de l'Exploit" organisation at Orbigny. F-AYMP was built by the Morris Motors company in 1944, as RAF EM739 (85970). After faithfully serving the RAF, it was sold to the Aéro Club de Savoie (France) on 23 April 1951 as F-BDMP. Having served the Aeroclub for more than eighteen years, the Tiger then went to the UK, as G-AXTY. It flew there from December 1969 to December 1972 and was then sold to the USA as N16645. It returned to France in 2011 and was occasionally flown under this US registration between 2013 and 2015. But it is now back in full glory, flying in an attractive silver and blue civil colourscheme.

## New Zealand

A Yakovlev Yak-3U best known under its nickname "Steadfast" (001-3/2005) has found a new home in New Zealand. It is now registered there as ZK-YOV to Team Steadfast Limited Blenheim (Omaka). Originally manufactured by the Romanian company Avioane- Cariova SA, it was registered to Bill Whiteside of California, USA as N46463 in October 2005. The aircraft was built as a dedicated racer, powered by a 1750 hp Pratt & Whitney R-2000 7M2 engine. It was exported to Australia to become VH-YOV on 24 December 2013 with Eastern Fighters Pty Ltd of Perth, West Australia, with an ownership change on 21 October 2015 to Team Steadfast Pty Ltd of Kelvin Grove, Queensland. Purchased by Mark O'Sullivan it was cancelled from the Australian register on 23 August for

shipment to NZ where it became ZK-YOV on 9 October 2019.

## United Kingdom

Late November, Hawker Restorations Ltd. of Elmslett unveiled a new work of art: their two seat conversion of Hurricane Mk.IIB BE505 (G-HHII) It was one of the 1451 Hurricanes built under licence by the Canadian Car & Foundry (CCF) company. It was completed in 1942 as construction number CCF/R20023. The CCF built Hurricanes were delivered to the Royal Canadian Air Force and served as home-based fighters for the duration of the war. At the end of their military service most Hurricanes were sold off for spare parts or scrap but fortunately BE505 survived intact until it was re-discovered and salvaged by Hawker boss Tony Ditheridge in the 1990s. After the aircraft's return to the UK, Hawker Restorations began comprehensive restoration work in 2005. The project was then registered as G-HRLO, but reregistered into G-HHII in April 2007. The restoration was completed in January 2009 and the rare machine was rolled out in the markings of BE505 (code 'XP-L') in fighter-bomber configuration (a so-called 'Hurribomber') BE505 was a Manston based Mk.IIB operated by 174 (Mauritius) Squadron in the spring of 1942. The first flight of G-HHII took place from North Weald on 27 January 2009. The Hurribomber was then already owned by Peter Teichman of the local Hangar 11 collection. G-HHII returned to Hawker Restorations in the winter of 2017/18 and it was soon announced that this airframe has been chosen to be converted into a two seat machine. In January 2018 Teichman officially sold G-HHII to Hawker Restorations. In its new configuration, the aircraft joins the current trend to allow the (wealthy) public to enjoy flights in another Battle of Britain icon aside from the Spitfire! Perhaps Biggin Hill is a nice new home for BE505?

Since July 2010, Vickers Supermarine Spitfire Mk.VIII MT928 (6S-583793) was flown as D-FEUR. But now, despite the fact that it is still owned by the German "Max Alpha Aviation GmbH" of Eschbach is has returned to the British register. Since 3 December, MT928 is, once again, registered as G-BKMI. The fighter was spotted at Duxford (UK) on that same day.

## United States

As most of you will know, Boeing B-17G 44-85734, N390TH "Liberty Bell" was destroyed on 13 June 2011. On that day the crew of this Flying Fortress experienced an in-flight fire and was forced to make an emergency landing near Oswego, Illinois. The airplane was substantially damaged as a result of the post impact fire. Unfortunately the emergency crews were hampered by the muddy field conditions, and were reluctant to approach the crash scene. As a result, the fire ultimately consumed portions of the fuselage and the inboard portions of both wings. The good news nowadays is that significant remains of the burnt-out Liberty Belle were salvaged (including wings, engines, props, landing gear, substantial parts of the tail group, etc.). According to the aircraft's owner, the Liberty Foundation, those parts have been shipped to Brooks Aviation in Douglas (GA). There, the parts will be combined with the fuselage of another B-17, 44-83387, which belonged to the 20th Century Fox Film Studio. Of course a lot of new-build work will be needed, to create a new aircraft, which will reportedly be named Liberty Belle II. It is a big job that will take several years to complete, but the result will be another flying B-17G! In the absence of their own B-17, the Liberty Foundation is touring with B-17G 44-8543 (N3701G) "Ye Olde Pub" (formerly Chuckie and Madras Maiden) which they leased from the Erickson collection. Prior to that, they had leased and toured with Movie Memphis Belle.

Credits: Howard J. Curtis, Les Ailes de l'Exploit, Flypast, Fox Alpha Zoulou, G-INFO, WIX.

# Dustpan & Brush



*Bek Air Fokker 100, UP-F1007, crashed shortly after take-off from Almaty, Kazakhstan. The aircraft was unable to climb, impacted the ground and broke through a concrete wall before impacting a building. (Nairobi, operating for Safe Air Company, 19 March 2019, André Alders)*

## Additions & Corrections:

15jun19 N26123 B757-224 **28966** w/o  
See Scramble 482.

26sep19 05-27063 UH-60L w/o  
See Scramble 485.

11oct19 1901 Su-27UB **96310425064** w/o  
This serial of an Ethiopian Su-27UB was quoted as being written off back on 6 January 1999. However, it was seen since, leading us to believe it had been repaired.  
See Scramble 486.

18oct19 15001 CC-150 **446** dam  
It has now become known that this CC-150 Polaris was involved, belonging to 437sq. It was towed from the North ramp to hangar 10 at Trenton (Ont.). This space is not normally used by the Canada One, and the D-14 tow tractor normally used is too large for the limited space available inside hangar 10. Before entering the hangar, the ground crew was required to stop and swap the tow tractor from the bigger D-14 to the smaller D-12. Once the aircraft reached a position in front of the hangar, the tow crew stopped the aircraft, set the chocks and the parking brake. During the tow tractor change, while no tractor was attached, the aircraft started moving forward and over the chocks. Attempts to stop the aircraft by the tow crew were unsuccessful. The right engine struck the D-12 tow tractor parked inside the hangar, before the nose contacted the hangar far wall structure, finally stopping the aircraft. The aircraft sustained substantial damage and will not fly until August 2020.  
See Scramble 486.

## New Accidents:

24oct16 ET-ANY DHC-8-402 **4334** w/o  
Only recently (on 10 December 2019) did this mishap involving an Ethiopian Airlines Dash 8 became known. On this date the aircraft was operating flight ET212 (from Dire Dawa back to Addis Ababa), with six crew members and 74 passengers, when during the take-off roll from runway 33 at night at least five hippopotamuses crossed the runway. The crew performed an RTO (Rejected Take-Off), lost directional control with the Dash going off the runway, coming to stop on soft ground. While there were no injuries the aircraft received a lot of damage, including separation of the nose gear. Only this summer the Dash was dismantled. Following the acci-

dent all night flights into or out of unfenced airports were halted. Of the five hippos three were killed as a result of the accident, two were known to have survived. The local airport authority pledged to engage in strengthening the fence following the accident.

22nov19 YV3012 B737-401 **23990** dam  
Avior flight 9V1400 suffered a collapse of the right main landing gear after landing at Bogotá-Eldorado Airport's runway 13L, Colombia, after a flight from València, Venezuela. When the aircraft turned to vacate the runway the right main gear collapsed causing the aircraft to skid on its right engine cowling until coming to a stop. The crew of another aircraft reported sparks and fire. Emergency services responded and foamed the right engine and surrounding area. The passengers disembarked onto the taxiway and were taken to the terminal. No injuries were reported.

24nov19 (XB-PYB) Beech 200 w/o  
The twin engine Beech 200 crashed under unknown circumstances in a pasture located near Saint Jean, Haiti. There were no casualties while the aircraft was damaged beyond repair. It was engaged in an illegal flight (narcotics) and the registration XB-PYB is false. Local authorities were looking for both Mexican pilots and a local involved in the illegal mission.

24nov19 9S-GNH Do228-201 **8030** w/o  
This Busy Bee Congo Dornier 228, performing a scheduled flight from Goma to Beni (DR Congo) with seventeen passengers and two pilots, was departing Goma's runway 17 at 09:10 hours local time in the morning, but failed to climb out. It hit electrical wires at very low height and impacted houses in the densely populated area of Birere, just south of the runway. The aircraft burst into flames. All occupants perished in the crash, one serious injury and seven fatalities occurred on the ground. On 25 November the DR Congo's Transport Ministry released the names of 26 fatalities and indicated one more person on the ground is in hospital having received serious injuries. An investigation has been opened into the circumstances of the crash including possible technical causes. Ground observers reported the aircraft was at very low height in an unstable attitude rolling left and right, apparently unable to climb out, then entangled with electrical wires and crashed into the houses.

24nov19 RA-24119 Mi-8MTV-1 **97516** dam  
Yamal Airlines lost a Mi-8 after it experienced a tail rotor failure just after take-off from Novo-Petrovskoe gas-oil field. That forced the crew to immediately land away from the helipad. The hard landing resulted in damage to the tail boom and landing gears. Nobody was injured.

25nov19 9J-PZB DHC-8-311 **405** dam

A Proflight Zambia Dash 8 operating flight P0705 from Livingstone to Lusaka (Zambia), was in the initial descent towards Lusaka when the aircraft received lightning and hail strikes and encountered a downdraft and severe turbulence. The aircraft managed to get out of the thunderstorm cell and landed safely in Lusaka at about 13:30 hours local time. There were no injuries, the aircraft however received substantial damage, quite possibly beyond repair. A passenger reported they had just begun their descent towards Lusaka when the aircraft received a lightning strike, then the aircraft "dropped like a stone" with the cabin pressure rapidly changing causing ear pain, the aircraft went through hail. Finally the aircraft left the thunderstorm cell and stabilised again. On disembarkation the passenger noticed both windshields had cracked, the nose was substantially reshaped, the tail plane and wing roots as well as all leading edges severely beaten up.

25nov19 AS532UL w/o

25nov19 20../BH. EC665 w/o

Thirteen French soldiers died in a crash in Mali after an Aviation Légère de l'Armée de Terre Tigre and Cougar accidentally collided during a combat operation against jihadists in the evening, around 19:40 hours local time. The accident took place in the Menaka region in south-eastern Mali, an area where Malian armed forces and Operation Barkhane troops have been conducting anti-terrorist operations for weeks. These operations are against armed groups that are harassing garrisons and spreading terror among local populations. Both helicopters belonged to the 5 Régiment d'Hélicoptères de Combat (5 RHC), normally based at Pau-Pyrénées (France), and were deployed to Mali in support of Operation Barkhane. The crew members and passengers are a mix of units of 5 RHC, 4e Régiment de chasseurs de Gap, 93e Régiment d'artillerie de montagne de Varces and 2e Régiment étranger de génie de Saint-Christol.

25nov19 N945LR CRJ900ER **15077** dam

25nov19 N915FJ CRJ900ER **15015** dam

Two Bombardier CRJ900ERs of American Eagle (operated by Mesa Airlines) were damaged at Dallas-Fort Worth International Airport (TX), as they were struck by a fuel truck. The right hand winglet of N915FJ, performing flight AA5740 to Shreveport (LA), was damaged and the fuel bowser also hit the left hand wing of N945LR, performing flight AA5780 to Lubbock (TX), under which it got stuck!

26nov19 042 S-65C-3 **65-399** w/o

A Sikorsky CH-53 2025 Yas'ur of the Heyl Ha'Avir (Israeli Air Force) caught fire mid-air. The pilot performed an emergency landing west of Kibbutz Beit Kama, in the northern Negev desert. The helicopter was destroyed by fire and the two pilots and eleven soldiers from the elite Shaldag commando unit escaped unhurt.

27nov19 TU-VHM Mi-17 dam

27nov19 TU-VHR Mi-24D w/o

Aviation news from the west African country Ivory Coast is rare. On this day we did receive news but it was not very pleasant, as whilst taxiing, a Mi-24D of the Force Aérienne de la Côte d'Ivoire (Ivory Coast Air Force) hit a parked Mi-17 at Katiola Airport (Ivory Coast) with its main rotor blades. The aggressive looking Mi-24D (serial TU-VHR) rolled over and came to rest on its side. The helicopter is a write-off, while the Mi-17 (TU-VHM) suffered some repairable damage. The

clash between the two helicopters left four people wounded. The incident took place just after a welcome ceremony of President Alassane Ouattara. According to our database, the FACI is operating two Mi-24Vs (TU-VHO and VHS) and one Mi-24D (TU-VHR). The helicopters are based at Base Aérienne de Abidjan/Port Bouet (Ivory Coast). The Mi-24D was assigned to the Escadrille de Chasse (attack squadron), while the Mi-17 belonged to the Escadrille Présidentielle (Presidential Flight).

27nov19 46/UNO-85P MD500E **0308E** dam

While returning from a United Nations mandated MINUSMA mission (Multidimensional Integrated Stabilization Mission, or Mission multidimensionnelle intégrée des Nations unies pour la stabilisation au Mali) the Fuerza Aérea Salvadoreña "Guardiancillo" crashed near Gao. It belongs to Primera Brigada Aérea's Grupo de Helicopteros, but is operating in all white colours with big UN markings and coded UNO-85P.

28nov19 ZT-RDR Bell 505 dam

Four persons onboard this private Bell JetRanger X were in stable condition after it came down near 3 South African Infantry Battalion Grounds, Kimberly Free State, South Africa.

29nov19 AH-64D w/o

Unconfirmed reports say that the Yemen's Houthi movement claims it has shot down a Royal Saudi Land Forces AH-64D Apache near the border with Saudi Arabia. In the report, it is said that both pilots were killed. The Houthi say the Apache was shot down by a surface-to-air missile. The Kingdom of Saudi Arabia (KSA) government has neither denied nor confirmed the incident. As known, Saudi Arabia leads a coalition which has been battling the Houthi group in Yemen for more than four years now.

29nov19 N4087G PA-31-350 **31-8152127** w/o

A Piper Navajo Chieftain of Fly 4 You crashed under unknown circumstances near Cooper Landing (AK), killing all three souls onboard. The airplane was destroyed and the pilot and two Medevac Alaska crew members, planned to pick up a patient from Providence Seward Medical Center, died in the accident.

30nov19 N56KJ PC-12/47E **1431** w/o

The single engine PC-12 of Conrad & Bischoff departed Chamberlain Airport (SD) in marginal weather conditions. A few minutes later, while flying in snow falls, the airplane went out of control and crashed in a cornfield located about thirty miles west-southwest of Chamberlain. Three passengers aged 17, 27 and 28 were injured and evacuated to hospitals in Chamberlain, Mitchell and Sioux Falls while nine other occupants were killed.

30nov19 N52CY Yak-52 **889006** dam

A private Yakovlev Yak-52 impacted open field terrain north-west of Wrightsville, Johnson County (GA). The airplane sustained substantial damage and the pilot was trapped in the wreckage and removed by emergency crews. His passenger escaped unhurt.

01dec19 C6-FER Beech 99 **U-164** dam

After landing at runway 12 at Black Point Airstrip, Bahamas, the Flamingo Air Charter Beech 99 suffered a runway excursion and damaged the nose, wing and right hand engine. Both crew members and twelve passengers were uninjured.

01dec19 N949CL BAe125-700A **257204** w/o

A private Hawker was engaged in an illegal narcotics flight and its crew attempted to land in a bush area located in San Andrés Villa Seca, Guatemala. No one was found on site and the aircraft was damaged beyond repair. It is unclear if the registration is illegal or the original one.



RCAF A310 15001 sustained substantial damage at Trenton (Ont.) after it struck a hangar wall structure. (Amsterdam-Schiphol, 24 March 2014, Scramble archive)

01dec19 F-ZBPE EC145 9011 w/o

EC145 'Dragon 30' of the Sécurité Civile crashed between the villages of Rove and Pennes-Mirabeau, near Marseilles. The access of the crash zone was very difficult in the Nerthe massif area, and sadly all three occupants died. Violent weather hit the French Riviera the day before and the chopper was heading towards Le Luc-Le Cannet in order to carry out a reconnaissance and rescue mission, when all radio and radar contact was lost.

02dec19 PP-BSS Beech C90GT LJ-1839 w/o

The pilot, and sole occupant, was completing a flight from Jundiaí to São Paulo, both in Brazil. While approaching Campo de Marte Airport in limited visibility, the twin engine Beech of Setímio de Oliveira Sala crashed in a wooded area located in the Cantareira Mountain range, about ten to twelve kilometres north of the airport. The aircraft was destroyed upon impact and the pilot was killed.

02dec19 XB-PGP? BAe125-700A 257171 w/o

Another Hawker engaged in the narcotics trade crashed after landing on an illegal airstrip near Retalhuleu, Guatemala. The Guatemalan Air Force detected an illegal flight in the country's airspace and a search for the aircraft was launched and eventually was found in a farm field. It carried the registration mark "XB-PGP", which matches a BAe125-700A (msn 257171). It is unclear if this registration was applied illegally or if this aircraft was indeed the original XB-PGP.

02dec19 F-16CM w/o

A USAF Viper of the 8th Fighter Wing "Wolf Pack" crashed near Kunsan Air Base, South Korea. The Fighting Falcon was approaching the runway at the airbase to perform what the Air Force defined a "routine landing" when the pilot was forced to eject for reasons unknown. The fighter pilot landed near the base suffering minor injuries, and was taken to a medical facility.

While "a board of officers will investigate the incident" it's worth noticing that this is just the last in series of crashes of USAF F-16s across the world: an F-16 assigned to the 49th Wing out of Holloman Air Force Base crashed during an evening training flight on 29 October, which was the second incident in less than a month. Indeed, at the beginning of October, another F-16 crashed near Spangdahlem AB, Germany. The pilot ejected safely. Earlier this year, on 17 May, another pilot successfully ejected from his F-16 before crashing into a large warehouse building on landing at March Air Reserve Base in Perris, California.

03dec19 N469RJ BAe125-800A 258067 dam

The Hawker of Business Jet Managers experienced a loss of directional control and subsequent runway excursion upon landing at Detroit-Coleman A Young Municipal Airport (MI). It sustained substantial damage to the outer right wing and also the nose gear collapsed. Both pilots onboard were not injured.

03dec19 C-FKAL BT-67 13840 dam

A North Star Basler BT-67 (modified DC-3) was on approach to Sachigo Lake (ON) at about 09:35 hours local time when the aircraft contacted trees and impacted ground amidst a forest. There were no injuries, the Basler however sustained substantial damage. It was on a flight from Red Lake (ON) with two crew onboard, The airline reported: "North Star Air is reporting that one of the company's Basler BT-67 cargo aircraft was involved in an accident near Sachigo Lake. The accident happened at approximately 9:10am local time on 3 December. There were no passengers onboard the aircraft and both flight crew members sustained no injuries." The Canadian TSB opened an investigation. Sachigo Lake is located about 180 miles north of Red Lake and features a gravel runway 10/28 of 1,070 metres in length.

04dec19 I-BMBO AS350B 1832 dam

The incident involving this private Ecureuil occurred during a flight lesson in the area between Fiano Romano and Monterotondo, Italy. The student pilot, 46-year-old, and his 30-year old instructor alerted the fire services. Despite the shock they both remained unharmed. The helicopter received a lot of damage.

04dec19 Beech 200 w/o

More drug traffic victims in Guatemala. This Super King Air was found to have been burned out in a field at Sayaxché, Petén, having been used to transport narcotics.

05dec19 MiG-29M w/o

Still unconfirmed (as usual from this part of the world): according to Vedomosti an Al Quwwat Al Jawwiya Il Misriya MiG-29 crashed during a training flight. Preliminary information mentions the pilot managed to eject, but no info is given about his health or medical condition. The cause of the incident is not known. It is said a Russian delegation will soon join an Egypt Air Force investigation team to assist to determine the cause. If and when this accident is confirmed, it will be the second MiG-29M crash in Egypt in just over a year.

05dec19 UH-60L w/o  
Three US guardsmen were killed after a Minnesota Army National Guard UH-60L Black Hawk crashed in central Minnesota. The Black Hawk was on a maintenance test flight from St. Cloud (MN) when air traffic control lost contact with the helicopter some ten minutes after take-off, just after the crew had made a "mayday" call. The helicopter came down into a snow covered gravel pit near a rural township Kimball, Stearns County (MN), some 75 miles south from St. Cloud.

06dec19 N293WB? BAe125-800A **258009** w/o  
A British Aerospace 125 was found burned at an illegal airstrip near Chan Chen, Belize, six kilometres south of the border with Mexico. The authorities presume that the aircraft may have been used to transport illegal drugs. It was then likely set on fire to destroy evidence of its cargo. The aircraft is said to have carried a fake registration 'N5461', but the presumed identity is N293WB. The aircraft type as well as colour scheme on the engine and tail of the destroyed aircraft matches that of N293WB. Furthermore, N293WB was recently offered for sale and was last observed on flight tracking websites at Tapachula in southern Mexico on 4 December, two days before this flight.

07dec19 VH-OXI UH-1H **4204** dam  
This UH-1H Iroquois, operating for NSW Rural Fire Service and owned by Touchdown Helicopters, made a hard landing and lost both main rotor and main gear box during fire-fighting operations in Crawford River, north of Newcastle, Mid North Coast (NSW). The helicopter sustained substantial damage. The pilot was uninjured. It used to operate for the US Army as 64-13497.

07dec19 N79LP Bell 407 **53027** w/o  
Panther Helicopters was missing a Bell 407, as it was flying over the Gulf of Mexico. It was in transit between two offshore installations. The United States Coast Guard was notified at 10:37 hours local time and search and rescue operations were being conducted. The crews last known position was thirteen miles west of Southwest Pass (LA). Communications were reportedly lost ten minutes prior to expected landing.

07dec19 26144 MiG-23ML **2960326144** w/o  
A Libyan National Army MiG-23 was shot down by forces loyal to the Government of National Accord (GNA). The jet was hit over the Yarmouk frontline near southern Tripoli and crashed in Al-Zawiya city with pilot Amer Jagem being detained after ejecting. A video emerged showing the aircraft diving for attack and launch of a Strela-2M missile.

08dec19 LY-ARS PA-30-160 **30-1824** w/o  
The private Twin Comanche C impacted the backyard of a house near S Darius and S Girenas Airport, Lithuania. The airplane was destroyed by the impact forces and the two occupants onboard sustained fatal injuries. Weather may have been a factor in this accident.

09dec19 ZK-HPB AS350B2 **4115** w/o  
Tragedy in New Zealand, as a volcano erupted on White Island (an active andesite stratovolcano, situated 48 kilometres from the east coast of the North Island, in the Bay of Plenty, and is the country's most active volcano), killing five people and eight were still missing. It was the first time since 2001 it erupted. At the time around fifty tourists were visiting the crater, more than twenty of whom were Australian tourists. Some of those tourist were flown there by an Ecureuil from Volcanic Air, which was seen substantially damaged by the eruption and subsequent ash cloud. Up to two dozen people remained unaccounted for, and officers were "urgently" working to confirm the exact number of those who have died, a police statement said. Unstable conditions, toxic gases and ash fall prevented rescue teams from searching the island by foot.

09dec19 N533NK A319-132 **3393** dam  
While undergoing maintenance at Lufthansa Technik's facility at Aguadilla-Rafael Hernández Airport, Puerto Rico, the Spirit Airlines Airbus A319 was substantially damaged after it fell through its jacks! Given the amount of damage it could turn out to be a write-off.

09dec19 990 C-130H **4776** w/o  
A C-130H of the Fuerza Aérea de Chile with 38 people onboard (seventeen crew, nineteen military and three civilians) and enroute to Base Presidente Eduardo Frei Montalva (Antarctica) went missing. Air Traffic Control lost radio contact with the Hercules that belongs to Grupo de Aviación N°10 based at Santiago-Comodoro Arturo Merino Benitez International Airport, BA Pudahuel (Chile) at 18:13 hours local time. Contact was lost over the Drake Passage (between the most southern part of Chile and the most northern part of Antarctica) in the Southern Atlantic Ocean. The aircraft left Santiago at 16:55 from Punta Arenas, some 1,860 miles south from Santiago, and was expected to arrive at 19:17 at Frei. The Air Force had declared an alert and activated search and rescue teams. The search mission included ships, private planes that were in the area where the plane sent its last signal from, and other air force aircraft. The weather was good at the time contact was lost. Debris was found a few days later.

09dec19 N4602B Ce208B **208B0140** w/o  
Martinaire lost one of their Cessna Super Cargomasters on flight MRA679 from Victoria Regional Airport (TX) to Houston-George Bush Intercontinental Airport (TX). It had impacted terrain in Victoria County, north-east of Victoria Airport. It crashed fourteen minutes after departure and according to flight tracking website Flightaware the aircraft flew an erratic flight path with varying altitude, airspeed and direction before the accident. Sadly the pilot and sole occupant did not survive the impact.

10dec19 ET-AQC? DHC-8-402 **4421?** dam  
Ethiopian Airlines flight ET357, from Juba, South Sudan back to Addis Ababa-Bole Airport, Ethiopia, suffered a runway excursion during take-off from Juba. The left-hand main landing gear collapsed and left hand propeller blades shattered, puncturing the fuselage. None of the 21 persons onboard were injured. It is not 100% clear that this is the Dash involved.

10dec19 C-FQYW PA-60-602P **60-8265020** w/o  
While approaching Nanaimo Airport runway 16 by night (at Gabriola Island off the east coast of Vancouver Island (BC)), the private Piper Aerostar crashed under unknown circumstances in a wooded area, about eleven kilometres north of the airfield. The aircraft was destroyed by impact forces and a post-crash fire and all three occupants were killed.

11dec19 N2822F PA-34-200T **34-7970260** dam  
A Piper Seneca II of Flying Ponderosa force landed near 23rd Avenue and Deer Valley Road, according to Phoenix fire officials. It was on final approach to Deer Valley Airport when it declared mayday and landed west of Interstate 17. It subsequently struck parked vehicles near Deer Valley (AZ). The airplane sustained substantial damage and there were no reported injuries.

11dec19 17 rd Mi-28UB **34029808244** w/o  
Having been delivered on 5 November to the Russian Air Force, this Mi-28 made a precautionary landing in a field near Platnirovskaya, twelve kilometres south of Korenovsk airfield, after three unsuccessful approaches due to fog. The commander of 55 ovp AA (the unit it was delivered to) then ordered the two most experienced pilots of the regiment to ferry the helicopter to Korenovsk airfield in order to avoid having to post a guard at the landing sight overnight. They took off in thick fog at night, flew very low and sadly crashed in a field 2.5 kilometres away from the runway threshold, five



United Airlines B757 N26123 was damaged during landing at Newark-Liberty International Airport (NJ) on 15 June 2019. It was decided that the aircraft will not be repaired and is subsequently withdrawn from the US registry. (Los Angeles (CA), 2 October 2010, Erik Sleutelberg)

minutes after lift-off. It came to rest upside down (reportedly the gun had got entangled in a power-line). Both pilots were killed in the accident and the chopper only had flown 29 cycles with a total time of twenty hours on the clock.

14dec19 VH-IAZ AAC Angel **004** w/o  
An Angel Aircraft Corporation Model 44 (yeah, we had to look that one up too!) of Anju Azul Aviation (but painted in the colours of Cape Air Transport, a Torres Strait based airline) crashed under unknown circumstances in a cornfield located near Mareeba Aerodrome (Qld), killing both occupants, aged 73 and 63. The Angel 44 is an aircraft of unusual design, with engines and propellers positioned at the back of the wings instead of the front, like an Piaggio P180 Avanti.

15dec19 "XB-BZH" G-II **164** w/o  
The Policía Nacional Civil located this Gulfstream II on an illegal airstrip in Quiché, after Guatemalan military forces detected four aircraft illegally entering the country's airspace. The corporate jet was destroyed by fire. The aircraft had likely been used for the trafficking of narcotics and subsequently set afire. The registration on the tail fin was partially washed out and read "XB-BZH" or something similar. The aircraft likely involved was msn 164, last registration being XB-BBO.

15dec19 Beech 200? w/o  
Of the four intruders picked up by the Guatemalan military, another twin engine bizprop was found burnt by law enforcement officers in San Luis, Petén. It likely had been used for transporting drugs.

15dec19 Beech 200 w/o  
The last of the four-pack was located (destroyed due fire) at the Sarteneja airstrip, Corozal District, Belize. The fourth made a normal landing and was believed to be Beech A65 N7608N (msn LC-305).

16dec19 Beech 200 w/o  
Another drug victim in Latin America, as this Beechcraft Super King Air was found burnt by law enforcement officers, at the Sarteneja airstrip, Belize. Most likely we will never know its ID...

17dec19 Tu-22M3 dam  
A Tu-22 of the Russian Air Force had to make an emergency belly landing in a field in the Astrakhan oblast, due to an engine failure and caught fire. The crew egressed the aircraft safely but the Tupolev received a lot of damage, possibly beyond repair. It was on a training mission and was not carrying weapons.

17dec19 N961GG TBM930 **1111** nil

17dec19 N160RW Beech B350 **FL-226** dam  
A Socata TBM930 of GAF Holdings struck the right-hand wing of the Ritch Air King Air 350, while taxiing for take-off at Visalia Municipal Airport (CA). The Socata received minor damage but the Beech a lot more!

18dec19 N72MM Beech 200 **BB-497** dam

After hopping a fence of Fresno-Yosemite International Airport (CA), a 17-year old teenager stole this Beech and crashed it into a wall. She entered the cabin of one of the planes parked on the apron and managed to start one of the engines. The 40-year-old Beechcraft 200 King Air of WL Aviation started to move in a circle before it impacted a fence and ended its course in the corner of a building. Airport security and Fresno police officers were called to intervene on the plane theft. The teenager was found in the captain's seat, with pilot headphones on. She resisted the arrest and had to be subdued by the officers. She was disoriented and uncooperative when she was taken into custody.

18dec19 Beech 200 w/o

A Super King Air was found to have been burned out on an illegal airstrip in Guatemala, at El Chico, Retalhuleu. The aircraft had likely been used for the transportation of narcotics.

19dec19 YV1104 Beech A100 **B-231** w/o

None of the nine occupants of this private Beech King Air survived the crash, after it encountered adverse weather conditions while on the approach to Caracas-Maiquetía Simón Bolívar Airport, Venezuela.

This is already the seventh mishap involving a Beech in the space of four days...

24dec19 51001 Su-57 w/o

A Russian Air Force Su-57 Felon crashed in the Taiga forest area in Russia's Far East Khabarovsk Territory, on Christmas Eve. Authorities of the Khabarovsk Territory confirmed that it crashed while its pilot was able to eject himself to safety. He was picked up by a Mi-8 helicopter. The Felon (reported as serial 51001, bort number blue 01), crashed 111 kilometres from Komsomolsk na Amure-Dzemgi airfield during test trials when control systems failed. If the serial is correct, this is the very first aircraft from the new production line that started in June 2019 by manufacturer United Aircraft Corporation (UAC). 51001 was set to be delivered by late 2019 and performed possibly its first or one of its first flights. In May 2019, UAC announced its full-scale serial production of the initial operational badge of 76 Su-57s with first deliveries in 2020. This production badge should be completed by 2028. It is too early to say if production will cause a setback due to

this crash.

To date, only two incidents with Su-57s are known, In 2011, at the MAKS air show, a then designated T-50-2 (bort number 52) blew up an engine while in June 2014 a Su-57 landed at Gromov in Zhukovsky with a burning engine. A fire started but was quickly extinguished by the fire department. This aircraft (bort number 055) was badly damaged but later rebuilt and returned to testing.

24dec19 XA-TWN Ce208B **208B0931** w/o

The single engine Cessna Grand Caravan of [Calafia Airlines](#) departed Hermosillo-General Ignacio Pesqueira García Airport, Mexico at 07:00 hours local time in the morning for flight CFV872 to Guerrero Negro, Baja California del Sur, with one passenger and one pilot onboard. About half an hour into the flight, radio and radar contact were lost with the Cessna that probably crashed into the Gulf of California off Bahía de Kino, Sonora. About 24 hours after the crash, no trace of the aircraft nor both occupants was found.

25dec19 MiG-29 w/o

The [Islamic Republic of Iran Air Force \(IRIAF\)](#) MiG-29 crashed under unknown circumstances into Mount Sabalan, Lesser Caucasus range during a test flight from Tabriz Airport after a major inspection, sadly killing the pilot. "Despite severe weather conditions and difficulty in navigating through the site of the crash, efforts to locate the pilot will continue by aerial and ground search and rescue teams," adds the IRIAF statement.

25dec19 RA-22720 Mi-8AMT **8AMT00643177660U** dam

Three persons out of 21 passengers and three crew members were injured, after the [KrasAvia](#) Mi-8, operating flight 9663, crashed on take-off from Baykit, Russia. The helicopter carried workers to oil fields in the area and received substantial damage.

25dec19 N663SF Bell 407 **53438** dam

The pilot of a Bell 407 air ambulance helicopter, operated by [Survival Flight](#), experienced an apparent cardiac arrest during the landing sequence at Headland Municipal Airport (AL). The helicopter sustained substantial damage during a dynamic rollover subsequent to touch down. The opportune response of the two uninjured Emergency Medical Technicians, also onboard the accident aircraft, was unable to prevent a fatal outcome to the 61 year old pilot.

26dec19 N... AS350B w/o

A Safari Helicopters AS350B Ecureuil with seven occupants, including two children, was reported missing off the north-west Hawaiian coast. Search operations were being conducted in challenging weather conditions. The helicopter is equipped with an ELT (Emergency Locator Transmitter), but

no signals have been received.

27dec19 UP-F1007 Fokker 100 **11496** w/o

A sad day in aviation, just before year's end! Hopefully the remaining days of 2019 will be less eventful...

The [Bek Air](#) Fokker 100 departed Almaty's runway 05R at 07:21hrs local time in the morning, during poor weather conditions. It was going to operate flight Z9-2100 to Nursultan Nazarbayev International Airport, a domestic flight in Kazakhstan. After getting airborne it was unable to climb, impacted the ground and broke through a concrete wall before impacting a building. The aircraft broke into several pieces. Of the 101 persons onboard (96 passengers and five crew members), 66 people were taken to hospital with critical injuries, fifteen people (including one of the initial survivors) were confirmed to have perished, twelve people remain in hospital care, 74 people survived with no or minor injuries. Almaty Airport reported the Bek Air flight crashed outside the airport surroundings.

Kazakhstan's Civil Aviation Authority reported the Air Operator's Certificate of Bek Air was suspended following the accident. Kazakhstan's Deputy Prime Minister reported preliminary results by the investigation commission suggests the aircraft struck its tail onto the runway surface twice, 300-400 metres apart. At the end of the runway the aircraft turned sharply right, the landing gear was retracted at this point already. The runway conditions were good. The commission is looking into human error or technical reasons. The flight data and cockpit voice recorders have been recovered, which will help speed up the process. A survivor reported the aircraft climbed a little bit, then began shaking before it crashed. Someone opened the emergency exit and the passengers got out. There were a lot of injuries (blood, broken arms and legs) and a number of fatalities around. Passengers evacuating via the overwing exit stepped on an icy wing, with everyone on the wing slipping. The pilot of an aircraft departing Almaty about three hours before the accident reported that during about two hours minimal white frost had developed on the wings and tanks of his aircraft (type unknown), the rest of the wings was clean. However, other aircraft having parked overnight had accumulated significant ice. During departure, while climbing through 1,000 feet, a temperature inversion occurred with a temperature rise of about eleven degrees Centigrade.

Sounds like the aircraft had not been de/anti-iced properly (if at all, based on the passenger accounts) before departure, took off, stalled and eventually crashed.

Credits: ASN, Aviation Herald, B3A, Leo Hoogerbrugge, JACDEC, The Aviationist



Fuerza Aérea de Chile Lockheed C-130H, serial 990, went missing on 9 December 2019 enroute to Base Presidente Eduardo Frei Montalva, Ant-  
arctica. (Santiago/Arturo Merino Benitez, 3 April 2016, Jan Gerrits)

# Military News & Updates



Thai Army C295W 19160 climbs out of Malta Intl on its way to Thailand on delivery. The serial is based on its construction number, 160. (27 November 2019, Shaun Psaila)

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

## Europe

### Netherlands

Koninklijke Luchtmacht (AF)

Boeing Co., Mesa was awarded a Foreign Military Sales (FMS) order by the Royal Netherlands Ministry of Defence for the procurement of the first batch of eleven AH-64E Apache Helicopters. In the future, the complete AH-64D fleet will be replaced by AH-64E models, so more orders will probably follow soon.

#### F-35A

F-010                      322sq                      ex FACO Cameri                      **AN-10** dec19

The second F-35A for 322 Squadron at Leeuwarden airbase, arrived on the 16 December 2019 at 15.31 local time. The third F-35A (F-011) is scheduled for delivery in March 2020.

#### KC-30M

T-054                      Airbus Defence and Space                      **1830** nov19

The first Airbus will be delivered on 1 May 2020 to Eindhoven Air Base.

### Bulgaria

Bulgarski Voenno-Vuzdushni Sili (AF)

LBWC = Varna (Chaika)

In January 2005, former Defense Minister Nikolay Svinarov signed a contract with EADS for 12 AS532AL Cougars and six AS565 Panthers for the Bulgarian Navy, at a total price of EUR 358 million.

Money issues and controversial supply contract provisions forced the government to renegotiate the deal with EADS. By August 2010, the air force received 11 Cougar helicopters and had paid 60% of the entire deal. The government decided to pay the original price for the Cougars and to renegotiate the deal for the Panthers.

In December 2010, the last Cougar was delivered to the Bulgarian air force. According to a statement of the Defense Ministry, the air force will use the helicopter for Combat Search and Rescue operations (CSAR). In June 2011, the government and EADS finally reached an agreement on the troubled Panther deal by cutting the deal in half.

In October 2011, the first of three Panthers (serial 901) was handed over to the navy at Chayka (near Varna). The other two helicopters (902 and 903) followed in October and November 2011. The Panthers replaced the ageing Mil Mi-14s. Unfortunately one Panther (902) ditched in the Black Sea on 9 June 2017, during exercise Black Sea 2017. Of the three crew members, the helicopter's commander did not survive the accident, while the other two people on board sustained minor injuries. With the write-off of this Panther, the Bulgarian Navy only had two helicopters left.

On 20 November 2019, an AS365N3 Dauphin, with taped-on temporary registration YR-AHX, arrived at Chayka. The future serial 905 as well as the navy titles and roundels were taped off. On 6 December 2019, the Dauphin was officially handed over to the navy. It is reported that this specific helicopter was Norwegian privately owned and overhauled upon delivery to the navy.

Because the Dauphin is a new sub-type for the navy, the serial ends with an odd number. The missing serial 904 will not be used.

#### AS365N3

905                      OMEV                      Ex YR-AHX

### Croatia

Hrvatsko Ratno Zrakoplovstvo (AF)

The US State Department has approved a possible sale under the Foreign Military Sales program of two 'standard' UH-60M Black Hawk helicopters. The helicopters, along with up to nine each T700-GE-70 ID engines, and up to nine each H-764GU/Embedded Global Positioning/Inertial Navigation (EGI). Also included are Communication Security equipment including an AN/APX-123A Identification Friend or Foe (IFF) transponder, AN/ARC-201D RT-1478D, and AN/ARC-231 RT-1808A radios, aircraft warranty, air worthiness support, calibration services, spare and repair parts, support equipment, communication equipment, weapons, ammunition, night vision devices, publications and technical documentation, personnel training and training devices, site surveys, tool and test equipment, US Government and contractor technical and logistics support services, and other related elements of logistical and program support. The total estimated program cost is USD 115 million.

When the Croatian parliament approves the associated costs of the deal, it will be the third and fourth UH-60M Black Hawks for Croatia. End of 2018 the Ministry of Defense confirmed the US will donate two UH-60M helicopters to the Croatian

air force. Both helicopters will arrive in 2020. The donation is worth USD 53 million and also involves spare parts, support equipment, flight and technical training. Croatia wants, as a NATO member, to trade in her Soviet/Russian made hardware for western technology. Already in 2014 it was reported that Croatia was talking to the US to donate its Mi-8MTV helicopters to Ukraine as foreign military help, in return for 15 second hand UH-60L. About 14 Mi-8MTV are still in use and their resources expire around 2025. Also ten Mi-171Sh are still in use, but these can remain in service for another ten years. The first two UH-60M will be used for special forces, transportation, emergency medical transportation, fire fighting, search and rescue. Croatia wants to operate about ten Black Hawks.

## Czech Republic

vzdušných sil (AF)  
LKVO = Vodochody

On 16 December 2019, the air force) signed a contract for two additional C295 transport aircraft. The C295W differs from the C295M in having winglets. The new aircraft will be delivered in the first half of 2021. This delivery will see the end of the operational life of the last two Czech Yak-40s. Next to the order for the new aircraft, the Czech government also signed a contract for upgrading its current fleet of C295Ms.

The C295Ms are based at Kbely. The fleet is operated by 242. transportní a speciální letka (242.tsl/24.zDL). The Yak-40s are operated by 241. dopravní letka (241.dlt).

The Head of Military Aircraft at Airbus Defence and Space, Alberto Gutiérrez, said: "We greatly appreciate the confidence shown by the Czech Air Force in the selection of the CASA C295. This repeat order reinforces its position as the market-leading medium transport and patrol aircraft for operations in all environments". With this latest order the total number of C295 transporters delivered and still on order have risen to 214 aircraft.

On 29 August 2019, Aero Vodochody's fourth L-39NG (construction number **7004**), was transported to hall 133 for final assembly. Today it was another milestone for the L-39NG programme with its first flight. The aircraft was flying, in primer with serial 0476. The first flying L-39NG (serial 0475 and construction number **.67001**) made its first flight on 15 January 2019. The second (construction number **7002**) and the third (construction number **7003**) are still undergoing tests.

According to Major General Jaromir Šebesta, the former commander of the Vzdušné síly armády České republiky (Czech

Air Force), while visiting Aero Vodochody, he agreed that the first customer which is going to use the L-39NG should be the Czech Air Force through LOM Praha which is state owned namely the Flight Training Centre which is based at Pardubice. This Flight Training Centre should become a training centre for the whole Central-Eastern Europe in the next years.

**L-39NG**  
0476

LKVO

**7004**

## Finland

Ilmavoimat (AF)

By the end of 2016, all of the 62 Finnish Air Force F-18C and F-18D Hornets finished their second mid-life upgrade (MLU2) programme. The last upgraded aircraft, HN-465, was rolled out of Patria Aviation's production line at Halli on 9 December 2016. The MLU2 Hornet has the capability to support land, maritime and air battles with standoff air-to-ground weapons. For this reason the aircraft are now officially named F/A-18C and F/A-18D.

## France

Armée de l'Air (AF)

The end of the Transalls is nearing. ET02.064 Anjou from Evreux will be disbanded in August 2020. Not all C-160Rs will have been retired by then. Those who are still operational will be operated by EEA00.054 Dunkerque until they run out of flying hours. ET02.064 will reform in a few years' time as an A400M unit at Orleans.

**A400M**

0095/F-RBAP ET01.061 ex Airbus **095** dec19

The aircraft was delivered on 4 December 2019. Next ones will be 0102/F-RBAQ, 0117/F-RBAR, 0124/F-RBAS, 0125/F-RBAT, 0132/F-RBAU, 0137/F-RBAV, 0146/F-RBAW, 0153/F-RBAX and 0154/F-RBAY.

**Beech 350ER/ALSR**

1030/F-ZACH DGA-EV ex F-WTAP **FL-1030** dec19

**KC-130J**

5890/61-PR on order **5890** dec19

The Hercules was seen with Lockheed at Marietta. Note that the French tankers are the short version aircraft, not the -30s.

**Mirage 2000D**

654/30-ID ECE01.030 ex 3-ID **528** nov19

**MQ-9A**

602/709-EK ED01.033 f/n apr19

**Rafale C**

130/7-GI EC01.007 ex 4-GI nov19



The Agusta-Bell 206 PS-39 of the Italian Police wears special colour scheme for the 45th anniversary of 3<sup>rd</sup> Reparto Volo Polizia based at Bologna Borgo Panigale. (10 December 2019, Lucio Alfieri)



A very special movement for Luqa airport (Malta) on 20 December 2019, highlight of the year hands down. French Air Force C-160G 'Gabriel' serial F216, departing Malta this afternoon following a quick tech stop after performing a mission. F216, is one of only two C-160Gs in the world and form part of Escadron Electronique Aéroporté 00.054 Dunkerque based at Evreux/Fauville which are used for Signals Intelligence gathering (SIGINT) missions. (Shaun Psaila)

#### Armée de Terre (AR)

<b>NH90-TTH</b>				
1431/EBP	ABH	on order	<b>1431</b>	nov19
1441/EBR	ABH	as F-ZKBU	<b>1441</b>	dec19

<b>SA342M</b>				
3858	to Togo	as 5V-MCQ	<b>1858</b>	

#### Sécurité Civile (GV)

<b>EC145</b>				
F-ZBPE	nb	w/o 01dec19	<b>9011</b>	

#### Germany

##### Luftwaffe (AF)

<b>EF2000</b>				
30+88	TLG74	(ex TLG31)	<b>GS067</b>	dec19

One of our readers brought us up to date concerning this EF2000. EF2000 30+88 is still active with TLG74 and not TLG31. 30+97 TLG31 active since 2017 **GS075** dec19 EF2000 30+97 was not seen active since 2017. A few local spotters at Nörvenich noted this example during take-off for a local training sortie.

31+53	TLG31	ex EADS	<b>GS0113</b>	dec19
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The last EF2000 was delivered to TLG31 on 17 December 2019.

##### Global 6000

14+07	FBS BMVg	f/n database		nov19
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In total, three Global 6000s have been delivered to the Flugbereitschaft des Bundesministeriums der Verteidigung (FBS BMVg).

##### H145M

77+01	Airbus Heli.		<b>20282</b>	dec19
77+07	Airbus Heli.		<b>20274</b>	dec19
D-HADF	Airbus Heli.	to become 77+?		dec19

The first (out of seven) H145 LUH SAR for Search and Rescue (SAR) duties have been delivered to the Luftwaffe on 10 December 2019. The first helicopter has been delivered several months before the agreed deadline.

The new helicopters will replace the ageing UH-1Ds in the SAR role and will be based at Niederstetten, Holzdorf and Nörvenich.

#### Heeresflieger (AR)

<b>NH90-TTH</b>				
79+02	THR30, ex THR10	<b>TGEE02/GEAF09/1095</b>		sep19
79+27	THR30, ex Airbus Heli.	<b>TGEE27/GEAF05</b>		nov19

<b>UH-1D</b>				
71+69	THR30	"SAR" mks. / ex LTG61	<b>8229</b>	oct19

#### Marineflieger (NY)

<b>NH90-NFH</b>				
79+54	MFG5	ex Airbus Heli.	<b>NGEN04</b>	oct19

#### Hungary

##### Magyar Légierő (AF)

LHKE = Kecskemét

LHPA = Pápa

LHSN = Szolnok

EDMQ = Donauwörth (Germany)

On 13 December 2019, the first four H145M helicopters were officially introduced in service. During a ceremony at Szolnok, the helicopters were handed over. The first two H145Ms (serial 01 and 02) were flown to Szolnok on 18 November 2019, followed by 03 and 04 on 11 December 2019.

In June 2018, the Ministry of Defence ordered a total of twenty H145Ms as part of the Zrinyi 2026 Defense and Military Development Programme. The helicopters will be operated by MH 86.HE Helicopter Ezred 1. Szállító Helikopter Zászlóali (86th Helicopter Regiment / 1st Transport Helicopter Battalion). Delivery schedule for the H145Ms is four in 2019, twelve in 2020 and four in 2021.

##### H145M

01	MH 86.HE	d/d 18nov19	D-HADI	<b>20264</b>
02	MH 86.HE	d/d 18nov19	D-HMBF	<b>20266</b>
03	MH 86.HE	d/d 11dec19	D-HBTA	<b>20276</b>
04	MH 86.HE	d/d 11dec19	D-HCBP	<b>20278</b>
05	o/o	EDMQ	D-HADO	<b>20284</b>
06	o/o	EDMQ	D-HCBY	<b>20286</b>
07	o/o	EDMQ		<b>20301</b>
08	o/o	EDMQ		<b>20303</b>
09	o/o	EDMQ		<b>20314</b>
10	o/o	EDMQ		<b>20316</b>

##### JAS39C

30	LHKE	ex tdy	LHPA
31	LHKE	ex tdy	LHPA
36	LHKE	ex tdy	LHPA
37	LHKE	ex tdy	LHPA
38	LHKE	ex tdy	LHPA
40	LHKE	ex tdy	LHPA
41	LHKE	ex tdy	LHPA

##### JAS39D

43	LHKE	ex tdy	LHPA
44	LHKE	ex tdy	LHPA

Since early May 2019, Kecskemét was closed due to a complete renovation and extending of the concrete runway.

Because of the development of the nearby city, Kecskemet will become a mixed airport for military and civil use. For this renovation the Magyar Légierő had to move their Saab JAS39 Gripen to Pápa. The air force has twelve single seat JAS39Cs and two twin-seat JAS39Ds that are operated by the MH59 Szentgyörgyi Deszö Harcászati Repülő Bázis. The transport and VIP fleet, operating one An-26, two Airbus A-319s and two Falcon 7Xs, deployed to Budapest.

After seven months being deployed to Pápa, the Gripen returned to their homebase Kecskemet on 17 December 2019. During their stay at Pápa, five Gripen deployed to Siauliai/Zokniai (Lithuania) for Baltic Air Policing missions. This deployment ended in September 2019. It was the second time the Hungarian Air Force deployed aircraft for the Baltic Air Policing missions.

## Ireland

### Aer Chór na hÉireann (AF)

On 13 December 2019, the Aer Chór na hÉireann (Irish Air Corps) signed a contract with Airbus Military for two C295MPAs. The new aircraft will operate primarily in the Maritime Defence and Security (MDSO) role and will replace the current CN235M-100 maritime patrol aircraft (serial 252 and 253), which have been in service since 1994 and amassed over 20,000 flight hours per aircraft.

The C295MPA is a versatile platform which will provide the Irish Air Corps greater capability in the MDSO, Air Ambulance, Logistics and Military roles. The aircraft will be based at Baldonnel/Casement and operated by 101 Squadron 'Maritime Squadron' (1st Operations Wing). The delivery date is not known yet.

### CeFR172H

203	wfu	ex 104sq	<b>0343</b>	oct19
205	wfu	ex 104sq	<b>0345</b>	oct19
206	wfu	ex 104sq	<b>0346</b>	oct19
208	wfu	ex 104sq	<b>0348</b>	oct19
210	wfu	ex 104sq	<b>0350</b>	oct19

On 4 October 2019 the five remaining Cessna 172s in IAC service were withdrawn from use after exactly 47 years of service. The Cessnas will be replaced by three Pilatus PC-12NG aircraft.

## Italy

### Aeronautica Militare (AF)

#### F-2000A

MM7314/51-03	132° Gruppo	ex 36-37/936° GEA	<b>IS046</b>	nov19
MM7320/51-02	132° Gruppo	ex 4-45/904° GEA	<b>IS052</b>	nov19

#### SF260EA

MM55109/- Leonardo ex 70-14/207° Gruppo **6976** nov19

#### T-346A

CSX55239/- Leonardo new nov19  
CSX55240/- Leonardo new dec19

Aviazione dell'Esercito (AR)  
BRAC = Bracciano (RM)

#### AB206A

MM80571/E.I.510 pres BRAC ex wfu BRAC **8216** oct19

#### UH-90A

CSX81564/E.I.247 Leonardo new **ITAR48** oct19

### Marina Militare (NY)

#### MH-90A

MM81626/3-54 Grupelicot 5 new dec19

Guardia di Finanza (PO)

#### P-72B

CSX62315/21 on order new dec19

#### UH-169A

CSX81965/502 on order new **69104** sep19

CSX81966/503 on order new **69107** sep19

CSX81970/504 on order new **69109** oct19

Vigili del Fuoco (PO)

#### AW139

I-EASW/VF-144 Leonardo new **31888** nov19

## Luxembourg

Police (PO)

#### H145M

LX-FAA Govt. d/d 15nov19 **20270** dec19

LX-FAB Airbus Heli. ex D-HADP **20294** dec19

H145M LX-FAA has been delivered to the Luxembourg Government on the 15th of November 2019 and will be based at Luxembourg Findel Airport. H145M LX-FAB should have been delivered by now.

## Montenegro

### Vazduhoplovstvo Vojske Crne Gore (AF)

The Ministry of Defence announced that it intends to procure four Bell 505 Jet Ranger X for its armed forces. The Bell 505 should replace within the next five years the Gazelle helicopters that are now over 30 years old. The Bell 505 (F-HJRX) was demonstrated to Montenegrin delegations and the media on the Golubovci on 8 April 2019. If a contract is signed, it will not be the first Bell helicopters for Montenegro. In 2018 three Bell 412s were ordered and delivered within less than nine months.



The VF-142 is the new AW139 of Italian Fire Brigade, Vigili del Fuoco and was delivered this month to Bologna airport base. (11 December 2019 Lucio Alfieri)



A nice participant at the TLP19-4 at Albecete was the HH-139A MM81802/15-46 of 15° Stormo. (19 November 2019, Jose Damian Gonzalez)

## NATO

### NAEW&CF

The first two (out of four) RQ-4D Phoenix UAVs have arrived at NATO Alliance Ground Surveillance (AGS) Main Operating Base (MOB) Sigonella Airbase in Italy. The first aircraft arrived on 21 November 2019 and the second RPAV arrived on 19 December 2019.

The RQ-4D UAVs will be controlled from a ground station which is also located at NATO AGS MOB Sigonella.

### RQ-4D-40

CSXAV-SA-0014	NATO AGS	ex Northorp	<b>AGS001?</b>	Nov19
CSXAV-SA-00??	NATO AGS	ex Northorp	<b>AGS001?</b>	Dec19

The second serial which had been arrived needs confirmation. Secondly, if you have some more information about the serials and construction numbers, please let us know.

## Norway

### Norske Luftforsvaret (AF)

On 25 November 2019, Coulson Aviation Inc (USA) announced it bought five C-130H Hercules aircraft from the Norwegian Defense Materiel Agency (NDMA). Coulson Aviation will modify the aircraft to become aerial firefighting platforms. It will modernise them with new glass cockpits and other firefighting-specific equipment. With this purchase, Coulson Aviation is further expanding its aerial firefighting fleet to combat the global increase in wildfires.

Since late 2008, all five aircraft have been stored with the 309th Aerospace Maintenance and Regeneration Group (309th AMARG) at Davis-Monthan AFB (AZ). The aircraft will be sold for a total of USD 4.5 million. The formal handover is planned for either the end of this year or early 2020.

The aircraft involved are:

952 'Odin'	(c/n <b>382-4334</b> ),	arrived AMARG October 2008
954 'Balder'	(c/n <b>382-4336</b> ),	arrived AMARG December 2008
955 'Frøy'	(c/n <b>382-4337</b> ),	arrived AMARG October 2008
956 'Ty'	(c/n <b>382-4338</b> ),	arrived AMARG December 2008
957 'Brage'	(c/n <b>382-4339</b> ),	arrived AMARG December 2008

### F-16AM

277	331 skv	special mks, ex FLO	<b>6K-6</b>	dec19
298	331 skv	special mks, ex FLO	<b>6K-27</b>	dec19
660	331 skv	ex FLO	<b>6K-32</b>	dec19
664	331 skv	tiger mks, ex FLO	<b>6K-36</b>	dec19
667	331 skv	ex FLO	<b>6K-39</b>	dec19
668	331 skv	ex FLO	<b>6K-40</b>	dec19
670	331 skv	ex FLO	<b>6K-42</b>	dec19

671	331 skv	tiger mks, ex FLO	<b>6K-43</b>	dec19
683	331 skv	ex FLO	<b>6K-55</b>	dec19
688	331 skv	ex FLO	<b>6K-60</b>	dec19

### F-16BM

693	331 skv	ex FLO	<b>6L-12</b>	dec19
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## Poland

### Sily Powietrzne (AF)

On 20 December 2019, the official handover of four S-70i Black Hawks, produced by Lockheed Martin Sikorsky subsidiary Polskie Zakłady Lotnicze (PZL) Mielec, to the Polish GROM special forces at Warszawa/Frederic Chopin took place.

The helicopters are part of a EUR 160 million (683 million Zloty) contract signed on 25 January 2019 by the head of the Ministry of Defence, Mariusz Blaszczk. The contract includes besides the delivery of the helicopters, also logistical and training packages.

The four S-70is will be assigned to the Grupa Reagowania Operacyjno-Manewrowego.

### S-70i

1301	GROM	d/d 20dec19
1302	GROM	d/d 20dec19
1303	GROM	d/d 20dec19
1304	GROM	d/d 20dec19

### Lotnictwo Policja (PO)

In January 2019, the Chief Police Officer, Inspector General Jaroslaw Szymczyk, signed a contract for the purchase of three Bell 407GX patrol and observation helicopters.

Rynek Lotniczy reported that within a year of that date, on 6 December 2019, the Lotnictwo Policja (LP, Polish Police) took delivery of its first Bell 407GX. This helicopter was flown to Warsaw Babice from the Bell company in Prague with temporary registration OK-KOM. Its Polish registration is SN-80XP / A-104. The LP will have taken delivery of the other two 407s by late 2020.

### Bell 407GX

SN-80XP / A-104	Lotnictwo Policja	d/d 06dec19	ex OK-KOM	<b>54845</b>
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## Romania

### Fortele Aeriene Romane (AF)

The Supreme Council for the Country's Defence (CSAT) approved the purchase of five additional F16s from the Portuguese Air Force by the Romanian Air Force. Delivery of the fighters is planned for 2020 (four aircraft) and 2021 (one aircraft).

With the delivery the Romanian Air Force will have 17 F-16s in its inventory. All aircraft will be upgraded to a new standard called M.6.X. In 2013, the air force agreed to buy the first batch of twelve aircraft, nine single seat and three dual seat, which were delivered in September and October 2016. The additional five aircraft consist of four F-16AMs and one F-16BM.

Earlier this year the air force said that it will need a total of 36 F-16s to replace the ageing MiG-21s. Delivery of additional F-16s can be realized through transfer from USA stocks or from other friendly nation stocks.

## Serbia

Ratno Vazduhoplovstvo i Protivvazdusna Odbrana (DF)

On 2 December 2019 An-124 RA-82038 arrived at Batajnica. It delivered four brand-new Mi-35M to the armed forces. All four were ordered from Russia in 2017, and were already seen at the factory airfield at Rostov-on-Don in the past. A few days later, on 7 December, all four were officially presented at Batajnica air base to President Aleksander Vucic, along with five recently delivered H145Ms and five Mi-17V-5s. The four Mi-35M will be used by 714.hpe (Anti-Armor Helicopter Squadron) at Ladjevci. 714.phe now operates the Gazelle helicopter in armed configurations.

The four Mi-35Ms are the first 'Hind' helicopters for the Serbian Air Force and Air Defence Force. Serbia acquired two Mi-24V for use by its Ministry of Interior during the civil war. After the war the helicopters were transferred to the MoD, and first placed into storage at Belgrade airport and later at Batajnica. The helicopters never returned to service because there was no major overhaul contract.

The modernization of the G4 Super Galeb and J-22 Orao is ongoing. The Super Galebs will be upgraded after the J-22s. Some more details about the J-22 Orao 2.0 project became known to us. The two-seater NJ-22 will have priority in modernization. The modernization will consist out of two phases: the first of which is already underway and the second has begun. The first phase will examine the newsighting and navigation system and changes to the rear two-seater cabin. Under the Orao 2.0 plan, J-22 bombers will formally

cease to operate, and the NJ-22 will have a Weapon System Officer (WSO) in the back seat to handle navigation. New air-to-ground missiles will be able to be launched before visual contact with the target, and will be able to operate at distances of 40 km or more. In the second phase, there will be a complete change of electronic equipment, which will also include a new HUD (Head-Up Display). The modernization of the Orao aircraft would allow the operation of planes from greater altitudes and distances, in all weather conditions, day and night, precision of aiming and reduction of collateral damage. The NJ-22s is still planned not to be a multi-role aircraft, but some will maintain their training task. In addition to the information that the lifespan has already been extended to 40 years, there is a possibility of an additional extension to 48 years, which would justify modernization.

During a visit of a high-level delegation of the MoD and armed forces to Batajnica, two two-seater NJ-22 version were seen undergoing upgrades. For this occasion, two VRVZ-200 air-to-ground rockets were suspended on his left wing, while an AGM-65B Maverick air-to-ground rocket and a container 'RADEOM-1' could be spotted below the right wing, and in which there was a radar jammer and now also has a camera and rangefinder installed. One of the two NJ-22 was the Orao Modernization Demonstrator (25507) which was first demonstrated in April 2016.

During November it was announced that four NJ-22s were taken from the aviation museum in Belgrade to the Moma Stanojlovic Aviation Institute in order to inspect the possibility to include some (or all) in the Orao 2.0 modernization project. Due to the reduction of the number of combat aircraft of the RV and Air Defense of the then Yugoslav Army under the Agreement on Sub-regional Arms Control, the aircraft were withdrawn from use and have been in the museum of the Belgrade Air Force since June 1996! The four aircraft have each flown only about 500-600 hours of their planned lifetime of 3000 hours. But, according to photos, the 23 years of storage in outside severe Balkan weather conditions seems to have a huge impact on the condition of the aircraft. Currently the air force has 5 NJ-22, with another two in storage. So possibly including the four aircraft from the museum, the projected number of upgraded Oraos will be between seven



Not often we receive flight line shots of Russian Air Force Mikoyan MiG-31s. MiG-31BM (Bolshaya Modernizatsiya/Deep Modernization) RF-95458 17(rd) was photographed 16 September 2019 at Novosibirsk-Tolmachevo.



Old as hell but still a first note for the Scramble Database is this Russian Air Force An-2, RF-90553 06(y) in a bright green, Kermit, colour scheme. (16 September 2019, Novosibirsk-Tolmachevo)

and 11 aircraft.

#### Mi-35M

35101	del.	7 December 2019	dec19
35102	del.	7 December 2019	dec19
35103	del.	7 December 2019	dec19
35104	del.	7 December 2019	dec19

#### NJ-22

25505	to Moma Stanojlovic, ex Bgrade museum	nov19
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#### Spain

LEAB = Albacete  
LEZL = Sevilla/San Pablo

Ejército del Aire (AF)

#### A400M

T.23-05/31-25	Ala 31	#10206	<b>097</b>
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Correcting last month's report (Scramble 487- page 67), the serial of this A400M is T.23-05, not TK.23-05.

#### C-130H

T.10-08/31-05	Ala 31	gy c/s, ex o/h LEZL	<b>4835</b>	oct19
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In Februari 2019, this camouflaged C-130H arrived for overhaul with Airbus at Sevilla/San Pablo. On 21 October 2019, work was done and it returned to operation service with Ala 31, unfortunately now in grey livery.

#### CASA 101EB

E.25-57/793-57	AGA	ex 741 Esc/74-12	<b>059</b>	sep19
E.25-68/741-68	741 Esc	ex 74-22	<b>074</b>	sep19

#### CASA 212-100

T.12B-13/72-13	721 Esc	ex 72-01	<b>19</b>	aug19
T.12B-49/72-49	721 Esc	ex 72-07	<b>100</b>	jul19
T.12B-69/72-69	721 Esc	ex 72-15	<b>143</b>	dec19

#### F/A-18A+

C.15-87/46-15	std LEAB	ex 462 Esc	<b>159/A122</b>	nov19
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Noted in bad shape in one of Maestranza's hangars at Albacete AB. It has been there at least since November 2017.

#### H215M

HD.21-19/801-19	801 Esc	#10..., f/n with unit	nov19
HD.21-21/802-21	802 Esc	#10216, f/n with unit	jun19

#### T-35C

E.26-03/791-03	791 Esc	ex 79-77	<b>121</b>	nov19
E.26-34/791-34	791 Esc	ex 79-81	<b>210</b>	oct19
E.26-37/791-37	791 Esc	ex 79-84	<b>156</b>	oct19

Fuerzas Aeromóviles del Ejército de Tierra (AR)

#### CH-47D

HT.17-11/ET-411	Boeing	ex BHELTRA V	<b>MF001</b>	nov19
HT.17-14/ET-414	Boeing	ex BHELTRA V	<b>MF006</b>	nov19

In November 2019, both Chinooks were noted being converted to F-model configuration. ET-414 will be the first to

complete the upgrade.

#### Armada (NY)

Due to the delay of the Spanish NH-90 Tactical Naval Transport Helicopter the navy selected the SH-60F Sea Hawk helicopter as an interim solution to fill the gap. Adding to the two examples delivered in 2017, six more will follow in pairs in 2021, 2022 and 2023 bringing the operational fleet up to eight. In addition two more will be delivered as sources for spare parts. All helicopters concerned are former US Navy Sea Hawks currently stored with AMARG in Tucson, AZ.

#### Sweden

Flygvapnet (AF)

Early December 2019, a new Saab 39E Gripen NG emerged from the paint-shop in a striking three-tone grey splinter camouflage scheme. The aircraft, with tactical code 6002, had full Swedish Air Force markings and is reported to be the second production aircraft. The first production aircraft is the Brazil Air Force F-39 with serial 4100.

The Swedish JAS39E has the number 396002 stencilled on the fuselage side, suggesting there should also be a Swedish 6001.

#### JAS39E

396002/6002	Saab Aircraft	grey splinter camo	<b>39-6002</b>	dec19
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#### Switzerland

Schweizer Luftwaffe (AF)

The United States Navy is expected to purchase 22 decommissioned Northrop F-5E Tiger fighter jets to help train its pilots in air warfare. Representatives of both the United States Navy and Armasuisse, the Swiss defense procurement agency, discussed the deal in July 2019, but a contract has yet to be signed. A sum of USD 40 million has been set aside in the 2020 American defense budget and has to first be approved by Congress before the deal can go through. Delivery is expected to be in 2021. The F-5E Tigers are around 35 years old and cost around half a million Swiss francs a year to remain idle. A few years ago, the United States Navy had already purchased 44 Tigers to simulate enemy planes in aerial combat training during training exercises. Switzerland had purchased a total of 110 Tigers from the US of which 53 remain. Of these only 26 are still operational. Switzerland is currently looking to procure new fighter jets and has a budget of CHF6 billion. The air force is currently evaluating four offers from companies Airbus and Dassault, as well as Boeing and Lockheed Martin from the United States. The Swedish company Saab was forced to withdraw from the competition. The Swiss government argues the country's ageing fleet of F-5E Tigers

and McDonnell Douglas F/A-18s Hornets has to be replaced by 2030 at the latest to protect the country's airspace and its security.

In 2015, Switzerland officially selected the Hermes 900 Medium Altitude Long Endurance (MALE) UAS as successor to the IAI/RUAG Ranger UAS ADS-95 system, which has been in service with the Schweizer Luftwaffe since 2001. The Swiss evaluation focused on two Israeli UAS': the Hermes 900 and IAI's Heron I. The final evaluations carried out in Switzerland in late 2012 included test-flying both systems. In the pre-evaluation, these two UAS' had met the requirements the best. The Swiss Hermes 900 (ADS-15 system) will be used for reconnaissance missions and will be unarmed. Armasuisse, the Federal Office for Defence Procurement confirmed that there are no plans or future options to arm UAVs in Switzerland. Valued at USD 280 million, the Swiss UAS procurement programme will span over five years, until 2020, when the Rangers will be phased out of service. The first ADS-15 Hermes 900 is registered D-11.

#### Hermes 900 HFE

D-11 Drohenstaffel 7 new dec19

### United Kingdom

Royal Air Force (AF)

On 28 November 2019, 72sq officially was re-activated at RAF Valley. The squadron is now officially equipped with Texan T1 aircraft. Prior to this, the Texans at RAF Valley were operated by a temporary unit referred to as Texan Integration Flight.

With reference to previous reports, the Northern Ireland Universities Air Squadron at JHC Aldergrove is expected to receive its compliment of Tutor T1 aircraft in January 2020.

End-October 2019, 6sq took over the responsibility of the Typhoon detachment at RAF Akrotiri (Cyprus) under Operation Shader. Previously, this detachment was manned by 1(F) sq air and groundcrew. As usual, this change-over resulted in quite a few Typhoons being re-allocated to other squadrons. Details can be found further-on.

By mid-November 2019, the 626VGS at RNAS Predannack was planned to commence flying activities again. Both ZE555/WC and ZE587/WS were being prepared by GMS at RAF Syerston for delivery to this unit during the last week of October 2019.

EGDM = Boscombe Down EGVP = Middle Wallop  
 EGKB = Biggin Hill EGXZ = Topcliffe  
 EGNO = Warton  
 Airbus Airbus Military at Getafe (Spain)  
 CGS/644VGS Pooled fleet of Central Glider School and 644VGS at RAF Syerston  
 CMF Chinook Maintenance Unit at RAF Odiham  
 GMS Glider Maintenance Section at RAF Syerston  
 Leonardo Leonardo Helicopters at Yeovil  
 MDMF Merlin Depth Maintenance Flight at RNAS Culdrose  
 P2MF Puma HC2 Maintenance Flight at RAF Benson  
 StandardAero StandardAero at Fleetlands  
 TMU Typhoon Maintenance Unit at RAF Coningsby  
 WZM Wildcat Maintenance at RNAS Yeovilton

#### Atlas C1

ZM400	24/70sq	ex Airbus	<b>015</b>	oct19
ZM405	24/70sq	ex Airbus	<b>024</b>	oct19
ZM408	24/70sq	ex Airbus	<b>027</b>	oct19

#### Chinook HC5

ZH897	27sq	ex 1310Flt	<b>M4476</b>	oct19
ZH900	27sq	ex 18(B)sq	<b>M4479</b>	oct19
ZH901	StandardAero	ex 18(B)sq	<b>M4480</b>	sep19
ZH903	QinetiQ	ex 18(B)sq	<b>M4482</b>	oct19

#### Chinook HC6

ZK560	CMF	ex 7sq	<b>M7711</b>	oct19
ZK561	7sq	ex StandardAero	<b>M7712</b>	oct19
ZK563	7sq	ex StandardAero	<b>M7714</b>	oct19

#### Chinook HC6A

ZA682	1310Flt	ex 27sq	<b>M7008</b>	oct19
ZA707	18(B)sq	ex EGDM	<b>M7025</b>	oct19
ZA708	CMF	ex 18(B)sq	<b>M7018</b>	oct19
ZA712	28sq	ex EGDM	<b>M7016</b>	oct19
ZA714	28sq	ex CMF	<b>M7005</b>	nov19
ZA720	27sq	ex CMF	<b>M7020</b>	oct19
ZD981	CMF	ex 18(B)sq	<b>M7029</b>	oct19
ZH777	CMF	ex 18(B)sq	<b>M4453</b>	oct19
ZH895	28sq	ex CMF	<b>M4458</b>	oct19

#### F-35B

By end-October 2019, only ZM137, ZM140, ZM142, ZM143 and ZM147 were not yet reported carrying the new three-digit codes. All others were, including the three aircraft assigned to 17sq at Edwards AFB (CA): ZM135/001, ZM136/002 and ZM138/004. The aircraft at RAF Marham are being operated by a joint 207sq and 617sq pool and allocated to the individual squadrons based on requirement.



Next month this An-12BK, the RF-12554 18(rd), of the Russian Air Force celebrate its fiftieth birthday, that is what we call: "still going strong". The An-12 was photographed 16 September 2019 at Novosibirsk-Tolmachevo.

**Hawk T1A**  
XX317 100sq ex 736NAS **312142** oct19

**Hawk T2**  
ZK010/FN 25(F)sq ex 4sq/A **RT001** oct19  
ZK030/FF 25(F)sq ex 4sq/U **RT021** aug19  
ZK034/FJ 25(F)sq ex 4sq/Y **RT025** oct19

A bit of a surprise when ZK010 was reported as 25(F)sq/FN in October 2019. It was previously expected that 4 squadron would be allocated aircraft ZK010/A until ZK024/O and 25 (F) squadron ZK025/FA until ZK037/FM. Of the latter group, ZK027 has not yet been reported to us in 25 (F) squadron colours, but it is expected to surface as such in the near future.

**Shadow R1+**  
ZZ507 14sq ex Beech 350CER **FM-55** nov19  
Following conversion to Shadow R1+ standard, former G-LBSB was delivered to 14 squadron at RAF Waddington on 4 November 2019.

**Spitfire LF.XVI**  
TE311/SZ-G BoBMF ex o/h EGKB **CBAF/IX/4497** oct19

**Texan T1**  
On 9 September 2019, G-TBFT was cancelled from the UK civil register. This was the last Texan T1 still left with a civil registration and it concerned ZM323 (PM-110).

**Typhoon Prototype: EF-2000(T)**  
The Norwich Air Museum at Winthorpe kindly copied Scramble magazine on a press release in which it was announced that prototype DA-4 will arrive at this museum in the near future. The aircraft, MoD registration ZH590, is currently stored in the restoration hangar of the Imperial War Museum at Duxford. It has been deemed surplus by this famous museum since it concerns a prototype, where the museums focus is on cause, course and consequence of war from the First World War until today in Great Britain and the former Empire. Luckily, the Norwich Air Museum was glad to take over this unique aircraft which was after its flying career was used for ground instruction purposes at RAF Coningsby, which is not far from the museum.

**Typhoon FGR4**  
ZJ947/947 6sq ex II(AC)sq/947 **BS040** oct19  
ZK302/302 1(F)sq ex TMU **BS054** oct19  
ZK304/304 3(F)sq ex XI(F)sq/304 **BS055** oct19  
ZK309/309 3(F)sq ex 29sq/309 **BS060** oct19  
ZK311/311 6sq ex 1(F)sq/311 **BS064** oct19  
ZK321 TMU ex 6sq/321 **BS082** oct19  
ZK322/322 6sq ex 1(F)sq/322 **BS083** oct19  
ZK323/323 12(B)sq see note **BS084** nov19  
ZK333/333 6sq ex 1(F)sq/333 **BS094** oct19  
ZK334/334 1(F)sq ex 6sq/334 **BS095** oct19  
ZK337/337 1(F)sq ex 6sq/337 **BS098** oct19  
ZK342/342 3(F)sq ex XI(F)sq/342 **BS103** oct19  
ZK343/343 3(F)sq ex XI(F)sq/343 **BS104** oct19  
ZK344/344 1(F)sq ex 6sq/344 **BS105** oct19  
ZK346/346 XI(F)sq ex TMU **BS107** oct19  
ZK347/347 12(B)sq ex XI(F)sq/347 **BS108** oct19  
ZK349/349 1(F)sq ex II(AC)sq/349 **BS110** oct19  
ZK351/351 6sq ex 1(F)sq/351 **BS112** oct19  
ZK352/352 6sq ex 1(F)sq/352 **BS113** oct19  
ZK353/353 II(AC)sq see note **BS114** oct19  
ZK360/360 6sq ex 3(F)sq/360 **BS121** oct19  
ZK362/362 3(F)sq ex XI(F)sq/362 **BS123** oct19  
ZK364/364 6sq ex 1(F)sq/364 **BS125** oct19  
ZK365 TMU ex 41(TEs)sq/365 **BS126** oct19  
ZK425/425 3(F)sq ex XI(F)sq/425 **BS141** oct19  
ZK426/426 1(F)sq ex 6sq/426 **BS142** oct19  
ZK436/436 29sq ex 12(B)sq/436 **BS152** oct19  
ZK437 TMU ex BAE EGNO **BS153** oct19

Around 22 October 2019, II(AC)sq passed ZJ947/947 to IX(B) sq. About one week later, the aircraft was passed on again to 6sq.

Concerning ZK323, this aircraft was deployed at RAF Akrotiri

(Cyprus) where by the end of the month 1(F)sq was replaced by 6sq. On 31 October 2019, it attempted to return to RAF Lossiemouth but the aircraft diverted into RAF Coningsby. After repairs with the Typhoon Maintenance Unit (TMU) it was allocated to 12(B)sq by end-November 2019.

On 1 October 2019, ZK353 transferred from IX(B)sq (RAF Lossiemouth) to 3(F)sq (RAF Coningsby), only to transfer again to II(AC)sq (RAF Lossiemouth) on 23 October 2019.

**Viking TX1**  
ZE522/VL CGS/644VGS ex GMS **33891** oct19  
ZE527/VP CGS/644VGS ex 661VGS/VP **33896** oct19  
ZE532/NU 622VGS ex CGS/644VGS/NU **33906** oct19  
ZE553 EGXZ ex GMS **33912** sep19  
ZE555 GMS ex CGS/644VGS **33914** sep19  
ZE555/WC 626VGS ex GMS **33914** nov19  
ZE559 GMS ex 661VGS/WG **33923** oct19  
ZE584 GMS ex 632VGS/WP **33931** sep19  
ZE587/WS 626VGS ex GMS **33934** oct19  
ZE590 GMS ex 622VGS/WT **33937** oct19  
ZE595 EGXZ ex CGS/644VGS/WY **33943** oct19  
ZE601 GMS ex EGXZ **33945** sep19  
ZE602 GMS ex CGS/644VGS **33946** sep19  
ZE602/XB 632VGS ex GMS **33946** oct19  
ZE608 see note ex std EGXY **33957** sep19  
ZE609 GMS ex 622VGS/XJ **33958** oct19  
ZE614 GMS see note **33969** sep19  
ZE628 GMS ex CGS/644VGS/XS **33975** oct19  
ZE631/XW 661VGS ex GMS **33979** sep19  
ZE685/YV CGS/644VGS ex GMS **34034** sep19  
ZE685/YV 661VGS ex CGS/644VGS/YV **34034** oct19

In September 2019, ZE608 was taken out of long term storage at RAF Syerston and SERCO commenced restoration work on site to restore it to flying condition. Until at least April 2019, ZE614/XN was in use by 621/637VGS, after that it was placed in temporary storage at RAF Syerston prior to being taken on charge by CGS/644VGS in September 2019. The next month the aircraft was inducted into deep maintenance at RAF Syerston.

Army Air Corps (AR)

**Apache AH1**  
ZJ182 3/4Regt ex ADSU **WAH17** sep19  
ZJ183 3/4Regt ex 673(AHTU)sq **WAH18** sep19  
ZJ188 3/4Regt ex ADSU **WAH23** oct19  
ZJ211 3Regt ex 7REME **WAH45** sep19

**Apache AH2**  
The first Apache AH2 for the Army Air Corps is ZM700, and it is now known that it has been allocated c/n **UD001**.

**Gazelle AH1**  
ZB683 std EGVP ex 665sq **1990** nov19  
Reportedly, ZB683 is temporary stored only. At JHC Alder-grove XZ320 and ZB678 are both in short term storage since at least October 2019.

**Wildcat AH1**  
ZZ389 Leonardo ex WZM **487** oct19  
ZZ390 1Regt ex Leonardo **488** sep19  
ZZ392 WZM ex 1Regt **490** sep19  
ZZ404 WZM ex 1Regt **474** aug19  
ZZ410 1Regt ex WZM **480** sep19  
ZZ525 1Regt ex WST **532** sep19  
ZZ526 WZM ex 1Regt **533** aug19

**Fleet Air Arm (NY)**

**Merlin HM2**  
ZH826 820NAS ex QinetiQ **RN06** sep19  
ZH841/(5)84 824NAS ex MDMF **RN21** oct19  
ZH851/(5)88 824NAS ex MDMF **RN31** sep19

**Merlin HC3A**  
ZK001 Leonardo ex 845NAS/AF **50160** oct19

**Merlin HC3i**  
ZJ137 MDMF ex 846NAS/W **50195** oct19

<b>Merlin HC4</b>				
ZJ123/G	846NAS	ex Leonardo	<b>50129</b>	oct19
<b>Wildcat HMA2</b>				
ZZ377	825NAS	ex Leonardo	<b>496</b>	oct19
ZZ404	WST	ex WZM	<b>474</b>	oct19
ZZ522	815NAS	ex WZM	<b>529</b>	sep19
ZZ528	825NAS	ex WZM	<b>535</b>	oct19
ZZ529	815NAS	ex WZM	<b>536</b>	jul19
ZZ531	WZM	ex 825NAS	<b>538</b>	oct19
ZZ535	WZM	ex 815NAS	<b>545</b>	aug19

## Africa

### Algeria

Al-Quwwat Al-Jawwiya Al Djazairiya (AF)

#### CH-4B (UAV)

AD-34 act f/n DB, photo nov19

This UAV is developed by China Academy of Aerospace Aerodynamics of China Aerospace Science and Technology Corporation (CASC), also known as the 11th Academy of CASC, or 701st Research Institute. The CASC Rainbow is almost an exact copy of the American MQ-9 Reaper.

### Angola

Força Aérea Nacional de Angola (AF)

FNBU = Lubango

FNCV = Cuito Cuanavale

FNLU = Luanda

FNME = Menongue

FNNG = Negage

FNSA = Saurimo – Villa Henrique de Carvalho

#### An-32

T-253 stored at FNME oct16

This Antonov 32 is stored at Menongue airport at 14°39'40.93"S, 17°43'13.50"E since October 2016.

#### Mi-8MTV-1

H-577 ex std FNLU pres FNCV jul19

At the war memorial, Memorial à Vitoria da Batalha do Cuito Cuanavale, two new helicopters arrived. Beside this Mi-8, which was stored at Luanda since February 2016, an Alouette III has arrived, see below. With the MiG-21, MiG-23 and Su-22 it becomes a very nice collection.

#### Mi-24

... dumped Longa nov03

This unknown Mi-24 without tail is dumped at 14°36'31.29"S, 18°28'50.21"E in the village of Longa, which is located north-west of Cuito Cuanavale airport. It is visible on Google Earth on the image of November 2003, but it is probably laying here much longer. A photo found on Facebook proofs that it was in September 2019 still at the same location.

#### Mi-24P

H-396 ex RF-95296 f/n FNSA **3532434420827** sep19

H-398 f/n DB, photo

A photo of the H-396 found on Facebook reveals it previous identity because the construction number was readable. H-396 is the former Russian Mi-24P RF-95296, also carried code 19 (y), which was noted stored at Chernigovka, Russia in August 2013 and last noted here in March 2014. The photos of H-396 were all made at Saurimo airport, in the North-East part of Angola, it looks liked it is based here.

#### Mi-171Sh

H-649 f/n FNNG, photo nov19

#### MiG-23MLD

C-476 std FNBU nov19

This MiG-23 was noted stored, together with C-480, at Lubango in front of a shelter. C-476 can be found at 14°55'21.98"S, 13°33'41.40"E.

#### SA316B

H-238 pres FNCV, f/n DB jul19

The Alouette III is at the same location as the Mi-8MTV-1 H-577 above, unfortunately the construction number on the nose it not readable on the photos.

#### Yak-40

T-450 pres. FNLU at base museum **9820558** sep19

This Yakovlev was noted at Luanda while loaded on a lorry on 16 August 2019. It did not go far because it went to the base museum here, see Google Earth at: 8°50'58.42"S, 13°13'41.96"E.

## Botswana

Botswana Police Service (PO)

According a press released made by Safomar Aviation, the Botswana Police Air Support branch has ordered three new Enstrom 480B helicopters. The new helicopters will be customized to Botswana Police Service specifications and include Trakka Systems day/night cameras and searchlights, navigation and communication equipment, cargo slinging and Light Emergency Medical Systems. Apart from specialist police duties, the aircraft can be quickly configured for the passenger role and carry three to five people. Once in service, the Enstrom 480Bs will be used for crime prevention, wildlife conservation, medical evacuation, command and control, search and rescue and training. The total order is worth about US 2 million dollar and the three helicopters should be delivered in the first half of 2020.

## Burkina Faso

Force Aérienne de Burkina Faso (AF)

According Jane's Defence Weekly, LOM Praha is currently overhauling two Burkina Faso Air Force Mi-17 helicopters at the company's facility at Kbely. Having spent several years in storage, the two helicopters were airfreighted by an Il-76 from Base Aérienne 511 at Ouagadougou's International Airport to Pardubice on 15 March 2019 and then transported by road to Kbely. "The helicopters have been stripped of all their aggregates and are being overhauled here, while all the dynamic parts, including the TV3-117MT engines and the gearboxes, are being worked on at our Malešice facility in Prague," LOM Praha project manager Alexandr Demin said: "The work here means the aircrafts' lifecycle will be extended by another four years (from 35 to 39), which means they have eight years of flying left." Work on the Mi-17s is expected to be completed in the late spring after they have been through several check flights and will then be airfreighted back to Ouagadougou. The helicopters involved should be the BF9001 and BF9202.

In a press release on 11 December 2019, Airbus reports that the Ministry of Defence has placed a firm order for one Airbus C295. No further details where give in the press release.

#### Mi-17V-5

BF1909 f/n DB, photo oct19

BF1910 f/n DB, photo dec19

Peter Weinert found a photo of the newly delivered Mi-17 BF1909, the exact variant however needs confirmation, because it could be also a Mi-171Sh or one of the another variants. The photo of the BF1910 was found on Facebook and also for this one applies that the exact variant is unknown.

## Cameroon

Armée de l'Air du Cameroun (AF)

#### Bell 206B-3

TJ-XCY 11ème Esc. not w/o 22jan17 **3952** nov19

We had this Jet Ranger as crashed on 22 January 2017, however many photos found on facebook shows that it is still active. With six people killed in the crash and the wreckage was mostly consumed by fire it is not very plausible that the helicopter has been rebuild after the crash. The YouTube movie made after the crash shows very clearly a camouflaged tail rotor of a Bell 206, so the only 206 in the inventory of the Cameroon Air Force is the TJ-XCY, construction



A seemingly unexciting Beech 350 was towed outside a hangar near the general aviation area at Toulouse-Blagnac. However this CN-TMR/211 is one of the two new aircraft for the Royal Moroccan Navy aircraft, doing an engine test run. (19 August 2019, Gerben Hazebroek)

number 3951. We have this one in the database as last noted on 3 December 2018, however this was the date the photo was published on Facebook and so most likely not the date it was made. If anybody has any additional information please let us know please.

### Cape Verde

Guarda Costeiro de Cabo Verde (CG)  
LPMT = Montijo, Portugal

#### C212-100

... o/o Coast Guardex PRT 16504, LPMT **8-18** nov19  
... o/o Coast Guardex PRT 16509, LPMT **5-32** nov19

During a base visit at Montijo, Portugal, it became known that six Casa 212s, which have been stored here for many years already, were sold to the Portuguese company Sevenair. The above two are resold by Sevenair to the Guardia Costeira, Coast Guard, of Cape Verde. In July 2018, the Portuguese company Sevenair Group, based at Cascais Aerodrome near Lisbon, signed an agreement with the Cape Verdean Government to exchange the Guarda Costeira Caboverdane (Cape Verde Coast Guard) Do228-212 D4-CBK for two CASA 212 Aviocar transport aircraft.

Both Aviocars noted undergoing preparation work for imminent delivery. Their mission will include medical evacuation operations.

The Cape Verde Coast Guard Do228 is reported as having been withdrawn from use in 2011.

### Central African Republic

Escadrille Centrafricaine (AF)  
FEFF = Bangui-M'Poko

#### Mi-24V

TL-KND/01y ex std FEFF dec19

This Mi-24 was noted flying during the military defile held at Bangui on 2 December 2019.

### Chad

Armee de l'Air du Chad (AF)

#### Mi-171E

TT-OBC Esc. d'Helic. f/n DB, photo nov19

### Congo

Force Aérienne Congolaise (AF)

#### AS332L

9T-P20 std Ndolo ISTA **2108** 2019

This AS332 was reported as to OM-ADA but the serial was never taken-up. Peter Weinert found a photo of Super Puma inside a hangar at the Institut Supérieur de Techniques Appliquées (ISTA) de Kinshasa.

### Côte d'Ivoire

Force Aérienne de Côte d'Ivoire (AF)

DIAP = Abidjan

#### AS365N-2

TU-VHX Police Nationale ex std DIAP **6540** nov19

This Dauphin was noted active again on 28 November 2019. On March 2017 it was noted stored without rotorblades in the IAS hangar at Abidjan.

#### Mi-17

TU-VHM GAT dam. 27nov19 nov19

#### Mi-24D

TU-VHR Mamba sq w/o 27nov19 nov19

### Democratic Republic of Congo

(Force Armées de la République Démocratique du Congo)

Force Aérienne (AF)

LBSF = Sofia, Bulgaria

#### Mi-24P

TN-359 o'haul TEREM at LBSF oct19

Noted, at TEREM (an aviation overhaul company at Sofia airport), during the Ian Allan Aviation tour to Bulgaria last October was this Mi-24P. It was here for an overhaul. Unfortunately the construction number could not be checked.

### Egypt

al Quwwat Al Jawwiya II Misriya (AF)

#### Il-28

1769 wfu f/n DB, photo

#### MiG-21MF

8626 wfu f/n DB, photo

## Ethiopia

### Ye Ityopya Ayer Hayl (AF)

According to Jane's Defence Weekly, the Germany company H3 Grob Aircraft expects to complete a second deal with the Air Force for the delivery of six additional G120TP turboprop training aircraft before the end of the year. Once the deal is finalised, deliveries will commence almost immediately and double the Ethiopian G120TP fleet to twelve after a first batch was delivered earlier this year. The first contract was initial signed in June 2019, and deliveries started in August. Grob produced a large number of "white tail" aircraft (built but not sold aircraft) the last two years and so they can deliver very fast at the moment.

The G120TPs will replace the 30-year-old SF260TPs based at Dire Dawa Air Base, where the EAF's training facility is located.

#### AW139

AF01	VIP Flt	c/n update	<b>31247</b>
AF02	VIP Flt	c/n update	<b>31262</b>

Thanks to Damiano Gualdoni, from the AgustaWestland production list website, we now know the construction numbers of the AW139 that were delivered in 2009 and 2010 to the air force of Ethiopia.

#### G120TP

176	f/n DB, photo	oct19
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#### Su-25T

2252	f/n DB, photo
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#### Su-27UB

1901	5sq	w/o 15oct19	<b>96310425064</b>
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Photoproof, thanks to a photo Peter Weinert found, that this was the Su-27 that crashed on 15 October 2019.

## Gabon

Forces Aérienne Gabonaises (AF)

FAOR = Johannesburg O.R. Tambo International, South Africa

FAPP = Polokwane International, South Africa

#### Mirage 5DG

202	i/a FAPP	ex FAOR	oct17
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This bare metal Mirage 5 was noted on 5 December during the International Civil Aviation Day 2019 held at the former air force base Pietersburg, nowadays known as Polokwane, in South Africa. A quick search on the internet learns us that the Mirage is here at least since October 2017.



Our regular contributor Michael Ward visited exotic location Base Aérienne 01, Libreville (Gabon) on 4 December 2019 and saw this rarely seen and sole C-130H Hercules of the Armée de l'Air Gabonaise. The C-130H belongs to the Escadron de Transport Lourde (Transport Squadron) based

## The Gambia

Gambian Air Wing (AF)

#### AT-802A

DOSA-1	sold	to N111FY	<b>802A-0186</b>
DOSA-2	sold	to N111FZ	<b>802A-0195</b>

Thanks to the MAR and Air Britain News we now know that both former Gambia Air Force Air Tractors are sold to a broker in the United States. Both aircraft were delivered in July 2005 but were noted already on 1 December 2006 as C5-DOA and C5-KSB. Unfortunately the tie-up between the C5-serial and the former DOSA-serial was never confirmed, so we put them in the database as mentioned above.

## Kenya

Kenya Air Force (AF)

LIMF = Torino-Caselle, Italy

#### AH-1F

1603	54sq	f/n DB, photo	oct19
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#### AW139

1802		f/n DB, photo	oct19
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#### C-27J

226	o/o	as CSX62316 at LIMF	dec19
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#### MD530F

546	delivered	f/n, photo	dec19
547	delivered	f/n, photo	dec19
550	delivered	f/n, photo	dec19

These three, together with the 548 and two unidentified ones (most likely the 545 and 549), were photographed inside a hangar on special transport platforms, just after delivery in Kenya.

#### Y12-II

124	A.S. sqn	not w/o 12may14	<b>0095</b> sep19
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In the past we have reported this one as crashed on 12 May 2014 at El Wak in Kenya, however it was reported noted on 2 May 2019 at Moi Air Base and now we found a photo on Twitter made in September 2019. Comparing colour schemes of the crashed one and the 124 and the 134, which was one of the other candidates as a plausible candidates, we have to admit both colour schemes doesn't match. Because the only photo of the crashed Y12 which can be found on the internet is very small, the serial can't be confirmed 100%. So for the moment only the crash date will be put in the Kenya database, if anybody has more information or a better photo of

the crashed Turbo Panda please let us know.

## Kingdom of eSwatini

### Umbutto Eswatini Defence Force (AF)

A military source told Central News Agency (CNA) that some of the recently retired Taiwan UH-1H's will also be sent to Taiwan's only diplomatic ally in Africa, eSwatini. Taiwan's military officially decommissioned all of its remaining six UH-1H utility helicopters in October this year. In an event held at the Army's 602nd Aviation Brigade, the UH-1Hs were officially retired. The retired choppers will be handed over to the Air Force and aviation academies for educational purposes. How many Hueys the Kingdom of Eswatini will receive and when was not mentioned.

## Lesotho

### Lesotho Defence Force-Air Wing (AF)

#### H125

LDF-29 LDF Air Wing f/n, photo nov19  
The Lesotho Defence Force (LDF) acquired a new Airbus H125 Ecureuils to replace LDF-19 (named: Thaba Putsoa) which was commissioned in May 2018 but crashed on 20 December 2018, killing one person on board and injuring three others. LDF-19 was in turn acquired to replace an EC-135 that crashed in April 2017, killing two and injuring two others. The new helicopter is named Thaba Bosiu, after a mountain in Lesotho. During a small ceremony, held on 22 November at Mejametalana Air Base in Maseru, the Lesotho Deputy Minister in the Prime Minister's Office Ts'ehlo Ramarou said the new helicopter will assist the Government in search and rescue operations as well as to secure the borders.

## Libya

### al Quwwat al-Jawwiya al Jamahiryian al Libya (AF)

#### MiG-25

7033 wfu f/n DB, photo

### Libyan National Army Air Force (AF)

#### MiG-23MLD

26144/144 w/o 07dec19 **2960326144**

#### MiG-23UB

7927 w/o, date unknown **B1037927**

### Government of National Accord [AF]

#### MiG-23MLD

7202 act. f/n GNA **2960327202/18419** nov19

The GNA Air Force has overhauled this MiG-23 and it was noted in November 2019.

## Mauritania

### Force Aérienne Islamique de Mauritanie (AF)

#### A-29B

... o/o as PT-ZZK **31400246**  
... o/o as PT-ZZL **31400247**

The serials and construction numbers were found by Ian Carroll in the Brazilian CAR with the text "Exportado para a Mauritânia". Mauritania has already two A-29B's (EMB-314E) in service since December 2012.

## Morocco

### al Quwwat al Jawwiya al Malakiya Marakishiya (AF)

In the Report of the U.S. House of Representatives Committee on Foreign Affairs of September 2019, two proposed transfers of Excess Defense Articles (EDA) are listed, one for the delivery of fifteen F-16 to Jordan and the delivery of one F-16B to the air force of Morocco. The estimated worth is USD 425,000 with an original acquisition value of USD 8.5 million. Of course these are just proposed transfers but it seems quite likely that these will materialize since the receiving parties are strategic partners of the U.S. government.

On 19 November 2019, the US State Department made a determination approving a possible Foreign Military Sale (FMS) to Royal Moroccan Air Force of 36 AH-64E Apache Guardian attack helicopters and related equipment for an estimated cost of USD 4.25 billion. The government of Morocco has requested a possible sale of 24 new helicopters and twelve optional. The Apaches will most probably be given the same sand camouflage scheme applied to all Moroccan military aircraft.

### al-Darak al-Malikiy al-Maghribiy [PO]

LFML = Marseille-Provence, France

#### EC145

CN-BZP Gendarmerie ex HB-ZRB,d/d 21nov19 **9028** nov19  
CN-BZQ Gendarmerie ex HB-ZRC,d/d 21nov19 **9032** nov19  
CN-BZR Gendarmerie ex HB-ZRD,d/d 21nov19 **9033** nov19  
CN-BZS Gendarmerie ex HB-ZRE,d/d 21nov19 **9041** nov19  
CN-BZT Gendarmerie ex HB-ZRF,d/d 21nov19 **9215** nov19

These five EC145 were in service with the Swiss REGA for almost fifteen years. The formation left Zürich-Kloten on 19 November 2019 and made a fuel stop at Grenoble, France, and a stopover in Spain enroute the final destination Rabat, where they arrived on November 21. The EC145s were still wearing the REGA colour scheme but with the Moroccan serials, flag and Gendarmerie markings. Most likely the helicopters will be repainted in the overall glossy grey colour scheme. The tie-ups with the construction numbers are assumed and so these still needs conformation.

#### H125

CN-BZN Gendarmerie o/o as F-WWPF, LFML **8748** nov19  
CN-BZO Gendarmerie o/o as F-WWPZ, LFML **8749** nov19

Beside the five second hand EC145s the Gendarmerie will receives soon also two newly built Airbus H125 Ecureuils. Both helicopters were noted on 22 November 2019 at Marseille-Provence, France. It is expected that these H125s will be delivered before the end of this year, and together with the new EC145s the will most likely means the end of the Alouette II/Lama's.

## Niger

### Escadrille Nationale du Niger (AF)

The United States is donating USD 21million in US military aid to Niger, according to an American diplomatic source to the French press agency AFP. Washington wants to help strengthen the anti-jihadist force G5 Sahel. Beside 47 tactical armored vehicles, the United States will also provide a C-130 Hercules transport aircraft in February 2020, after training pilots, crews and mechanics. Allegedly the WC-130H 65-0985 which is since September 2018 with Sabena at Brussels.

## Nigeria

### Nigerian Air Force [AF]

DNMM= Lagos Murtala Muhammed International airport

LILN = Varese-Venegono, Italy

#### AW109E

NAF570 305 FTS w/o 16nov19 **11767** nov19

The last digit of the crashed AW109 is not photoproven and so needs confirmation, the serial was reported somewhere on the internet.

#### MB339A

NAF308 i/a at DNMM sep19

The MB339 is an instructional airframe at the 631 Aircraft Maintenance Depot (631 ACMD) at Ikeja, which is located within Murtala Mohammed International Airport.

### Nigerian Navy (NY)

#### AW139

312 o/o, CSX81969 f/n LILN, photo **31882** nov19

## Senegal

Armée de l'Air Sénégalaise (AF)

### C212-100

6W-TSA i/a Thiaroye at Parachute **C212-AA1-1-87** mar19  
Some photos were found from this Casa and the Fokker below, and thanks to Ian Carroll we now know the location. It is at the Parachute Regiment HQ at Thiaroye Gare. It is first visible on Google Earth, at 14°45'23.67"N, 17°22'35.61"W, on the image of March 2019.

### F27-400M

6W-STB i/a Thiaroye at Parachute Reg. **10565** sep07  
This Fokker is much longer at this location, it is here already since at least September 2007, see Google Earth at 14°45'23.45"N, 17°22'34.41"W.

## South Africa

South African Air Force/Suid Afrikaanse Lugmag (AF)  
FAPP = Polokwane International

### Impala Mk1

571 to ZU-FFM at FAPP **A86** dec19  
600 i/a Paramount at FAPP **A125** dec19

The MB326M 571 was never reported by us before with this civil registration, but it was registered already in September 2009.

### Mirage F1AZ

218 i/a Paramount at FAPP **104** sep17  
220 i/a Paramount at FAPP **109** dec19  
225 i/a Paramount at FAPP **101** oct17  
226 i/a Paramount at FAPP dec19  
229 i/a Paramount at FAPP dec19  
240 i/a Paramount at FAPP dec19

Like the Gabon Mirage 5 these Mirage F1s were noted during the ICAD2019 airshow held at Polokwane International. The Mirages belong to the Paramount Group and use for training foreign air forces personnel. The Mirages are used for ground school while some former Italian Air Force SF260s are used for ab-initio training and some MB326s are used for jet training.

We had all the six Mirages in the database as "stored Hoedspruit (for sale)" and with the last noted date: October 1998.

## Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

### Mi-171Sh

548 serial confirmation



On the edge of the platform, Michael Ward pictured on 4 December 2019 at Libreville the withdrawn from use EMB110P-1K TR-KNC. This Embraer is known to be stored here for a long time.

## Togo

Force Aérienne Togolaise (AF)

### SA342M

5V-MCQ o/o ex ALAT 3858, c/n upd. **1858** sep19

## Tunisia

al Quwwat al Jawwiya al Jamahiriya at Tunisia (AF)

### UH-60M

L82-305 36sq f/n DB, photo nov19

## Uganda

Uganda People's Defence Force (AF)

HUGU = Gulu

### Ce172S

AF-275 f/n HUGU, photo nov19

### L-39ZA

... d/d dec18 ex BLG 831 **633831** dec18  
... d/d dec18 ex BLG 111 **734111** dec18  
AF-718 d/d 29mar19 ex ROM 134 **432834** mar19  
AF-729 d/d 29mar19 ex BLG 827 **633827** mar19  
AF-731 f/n HUGU, photo nov19  
AF-745 f/n HUGU, photo nov19

Thanks to an excellent article in Air Force Monthly written by Vladimir Trendafilovski about the Odes'kyy Aviatsiynny Zavod (OAZ, = Odessa Aircraft Plant) we can give you the construction number, and two serials, of the four new Uganda Air Force L-39ZA. The first two aircraft were delivered in December last year, while the last two were delivered onboard the Il-76MD 76413 on 29 March 2019. The Il-76, which did the delivery in December 2018, had AF-709 and AF-735 onboard on the return trip, for overhaul and modernisation at OAZ. AF-735 was noted at Odessa on August 29 during its last pre-deliver flight, two weeks before the pair was brought back to Uganda. On the return flight after the second delivery, in March 2019, AF-721 was onboard. AF-731 was mentioned in the article but the serial was not 100% confirmed at that time. Photos found on Facebook proves the serial is correct. Also a photo of AF-745 was found on Facebook, the only thing we now need to do is to find the tie-up between the two serials and two construction numbers.

## Zambia

Zambia Air Force (AF)

### FT-6

AF-916 std Mumbwa f/n DB, photo nov19



Bangladesh received six brand new Mi-171Sh for its Air Force this year. During the practice runs for the Victory Day parade, five of them were identified. (7681 & 7682, Dhaka Intl, 12 December 2019, Sani Islam)

Peter Weinert found the first photo of a Zambia Air Force FT-6 (two-seater MiG-19) with the serial readable, what a great find.

## Zimbabwe

Air Force of Zimbabwe (AF)

### SA316B

7651 7sq f/n DB, photo oct19

Peter Weinert came up with a photo of this Alouette III and the serial was quite a surprise, so far it was never noted in the past.

## Asia

### Afghanistan

Afghan Air Force (AF)

Late October 2019, MD Helicopters delivered the final five MD530Fs for the Afghan Air Force. All five helicopters, serials 300 to 304, were loaded aboard Boeing B747-4B5F N715CK of Kalitta Air at Phoenix/Mesa Gateway (AZ) and flown to Kandahar (Afghanistan). The Afghan MD530Fs were ordered in two batches of thirty helicopters each. The aircraft from the second batch were ordered in September 2017. Deliveries of the first batch started in December 2012.

Only a few days after the last MD530F delivery to Afghanistan, MD Helicopters secured a follow-on contract for 12 MD530F light scout attack helicopters for the Afghan Air Force (AAF). The contract was awarded through the US Army Contracting Command, Redstone Arsenal (AL). The additional order falls under the five-year USD 1.4 billion IDIQ (indefinite delivery/indefinite quantity) package MD Helicopters signed with the US government in September 2017. The package covers up to 150 MD530F/MD530G helicopters available to US and Partner Nation Military Forces.

This new batch of MD530Fs come with ballistic protection, fixed-forward sights, point 50 calibre machine gun pods, and M260 seven-shot rocket pods. No details were given as to the expected delivery date.

### MD530F

300	ex N6062Q	d/d late oct19	<b>0300FF</b>	oct19
301	ex N60917	d/d late oct19	<b>0301FF</b>	oct19
302	ex N6092T	d/d late oct19	<b>0302FF</b>	oct19
303	ex N6063W	d/d late oct19	<b>0303FF</b>	oct19
304	ex N6094V	d/d late oct19	<b>0304FF</b>	oct19

### UH-60A+

23549 BEST full mks 70-270 dec19

23584 BEST full mks 70-305 dec19  
Both ex US Army Black Hawks were seen with BEST (Black Hawk Exchange and Sales Team) at Huntsville (AL).

## Bangladesh

Bangladesh Biman Bahini (AF)

VGJR = Jessore/Matiur Rahman AB

### F-6

8628/628 pres Rajshahi ex 21sq, l/n feb87 nov19

This had been at the crossing of Number 6 road and Circuit road in this town for ages, at least since 2001, at N24.36820°, E88.58081°, but was removed from its pedestal and moved to Airport road, also in Rajshahi.

### Mi-171Sh

7668 f/n 16dec19 **7668U?** dec19

7682 f/n 16dec19 **7682U?** dec19

This year's Victory Parade revealed two new serials, just leaving one of the new deliveries to be identified.

### PT-6

2713	11sq	f/n	dec19
2715	11sq	f/n	dec19
2717	11sq	f/n	dec19
2719	11sq	f/n	dec19
2720	11sq	f/n	dec19
2722	11sq	f/n	dec19
2723	11sq	f/n	dec19
3202	pres VGJR	ex 11sq, l/n dec15	oct19
3204	pres Jessore	ex 11sq, l/n dec12	apr19
4102	pres VGJR	ex 11sq, l/n dec17	oct19
4103	pres VGJR	ex 11sq, l/n dec15	nov19

Further to last month's notes, there are even seven PT-6s in the museum! Also, in the Cantonment East of the airfield, a PT-6 and T-37 are preserved in front of one of the college buildings.

### T-37B

81972 pres Jessore ex stored VGJR apr19

Bangladesh Army (AR)

### DA40NG

S3-BRC	Army Avn	del, named 'Chitra'	dec19
S3-BRD	Army Avn	del, named 'Dhaleswari'	dec19
S3-BRG	Army Avn	del, named 'Gomati'	dec19
S3-BRI	Army Avn	del, named 'Ichamati'	dec19

Four Diamonds were delivered late November and three were officially taken on charge 12 December; just in time for the Victory Day parade! All are named after Bengali rivers, albeit in Bengali script...

## Cambodia

Force Aérienne Royale Cambodge (AF)

### A109S

XU-035 Helicopter sq ex I-RAIX **22731** dec19  
XU-045 Helicopter sq ex I-EASR **22732** dec19

These two A109s were delivered through Thailand at the end of November on their way to Pochentong. Both helis were registered to HeliStar Cambodia and were not sporting any Air Force decals yet. Because they were painted in standard green Air Force colours, it is assumed that they will be transferred to the Air Force.

### AS355N

XU-015 VIP sq **5622**

C/n update. This is the second use of XU-015 serial.

### Y-12II

RCAF-601 Transport sq ex XU-016 **083**  
RCAF-602 Transport sq ex XU-017 **084**

c/n updates. Both aircraft received their new serial around 2009. The RCAF-601 was noted with many parts missing.

## China

People's Liberation Army Air Force (AF)

### J-7II

73363 125th Brigade nov19

### J-7E

70086 Brigade nov19

### JJ-7A

73469 125th Brigade nov19

### JL-9

-- o/o **0804** nov19  
-- o/o **0815** nov19

Pictures of these two JL-9s were released including the information that these include the final ones for the PLAAF. What is next on the production line at Guizhou remains to be seen! When the aircraft is painted the above given line number will be appended by some characters, most likely "JL9")

### J-20

62009 9th Brigade nov19

### Y-5

6516 15th Airborne Army/3rd Dadui dec19  
6710 15th Airborne Army/3rd Dadui oct17

### Y-9G (GX11)

31018 20th Div/60th Reg dec19

The exact type is now confirmed

People's Liberation Army (AR)

### Mi-171

LH921707 79th Brigade f/n, photo  
LH921771 79th Brigade f/n, photo

### Mi-171E

LH921731 Tibet/Xizang Brigade nov19  
LH921735 Tibet/Xizang Brigade nov19

### Mi-17V-5

LH921797 79th Brigade photo

### Mi-17V-5

LH971718 76th Brigade nov19

### Z-8B

LH991816 71st Brigade nov19  
LH991838 71st Brigade nov19

### Z-8G

LH971875 76th Brigade photo

### Z-10A

LH971158 76th Brigade nov19

### People's Liberation Army Navy (NY)

### H-6J

01 8th Div/23rd Reg dec19  
02 8th Div/23rd Reg dec19

### JH-7A

83397 9th Div/27th Reg dec19

### Y-8Q

82036 3rd Reg new code 86 **501802** oct19



This year's Victory Day parade over Dhaka, Bangladesh saw a massive turnout. As usual, a dozen PT-6s participated, more were present during the rehearsals. This revealed that new airframes were delivered recently. Seen here are 2715, 2719, and 2723. (Dhaka Intl, 12 December 2019, Sani Islam)



The Cambodian Air Force's helicopter squadron uses two A109S, XU-045 (22732) is one of them. (Pnomh Penh, 14 December 2019, Tom Milleken)

## Factories

### JF-17 Block III

3000 CAC f/f 28dec19

Two years earlier than widely anticipated the first Block III version of the JF-17 made its first flight. As usual with the development aircraft it was built by CAC on the Final Assembly Line at Chengdu, China, but the initial customer will be Pakistan who will also produce the production aircraft. This prototype aircraft is equipped with improved systems, like a wide angle huge Head Up Display, but it seems that the Russian RD-93 is still used and also the use of the new AESA radar might be hampered by the pitot tube on this prototype.

## India

### Bharatiya Vayu Sena (AF)

#### C-130J-30

KC3813 77sq d/d 14dec19 **382-5887** dec19

The unit is still to be confirmed.

#### CH-47F(I)

ZL4676 Boeing f/n, N289RN **M2411** nov19

ZL4677 Boeing f/n, N290RN **M2412** nov19

ZL4678 Boeing f/n, N291RN **M2413** nov19

#### AH-64E(I)

ZV4813 d/d 05dec19 dec19

ZV4814 d/d 05dec19 dec19

ZV4815 d/d 05dec19 dec19

ZV4816 d/d 05dec19 dec19

ZV4817 d/d 05dec19 dec19

#### II-76MD

KI3012 ARC R&AW ex K3012 **0083487614** dec19

KI3014 ARC R&AW ex K3014 **0093491750** dec19

### Bharatiya Nau Sena (NY)

On 29 November 2019, the Indian Navy commissioned a new squadron at Porbandar (state of Gujarat). The squadron, INAS314 'Raptors', operates four Dornier Do228-201 Short Range Maritime Reconnaissance aircraft to keep an eye in the north Arabian Sea where India shares its maritime border with Pakistan. Porbandar (INS Sardar Patel) has become an important hub for the Indian Navy since it commissioned the base in 2018. Apart from two Dornier squadrons INAS310 'Cobras' and INAS314 'Raptors', Porbandar also houses an Unmanned Aerial Vehicle (UAV) squadron: INAS343 'Frontier Formidables'.

According to defence sources, the new Dornier squadron in Gujarat will add to the surveillance capabilities provided

by the Israeli-origin UAVs. These UAVs have shorter flight range compared to the Dornier aircraft, which can remain airborne for about 10 hours and have a range of over 1,000 nautical miles.

Do228 Short Range Maritime Reconnaissance squadrons:

INAS310/PBO 'Cobras' at Porbandar (INS Sardar Patel)

INAS311/VVZ 'Kites' at Vishakhapatnam

INAS313 'Sea Eagle' at Chennai

INAS314 'Raptors' at Porbandar (INS Sardar Patel)

INAS318/PBR 'Hawks' at Port Blair AFS, Andaman Islands

INAS550/COC 'Flying Fish' at Cochin (INS Garuda)

A seventh squadron will be based at INS Parundu (in the state of Tamil Nadu)

#### Dhruv

IN705 INAS321 f/n dec19

#### Do228-201

IN222/MBK INAS313 ex INAS310/DAB **4036** dec19

IN225/MBK INAS313 ex INAS310/DAB **8164** dec19

IN231/MBK INAS313 ex unit nn **4059** dec19

Indian Border Security Force (GV)

#### Mi-17V-5

ZP5240 BSF f/n, BSF titles dec19

## Indonesia

Tentara Nasional Indonesia - Angkatan Udara (AF)

WICC = Bandung/Husein Sastranegara

#### AS202/18A3

LM-2031 SkaTek043 i/a, ex SkaDik101, l/n 99 **214** nov19

#### C-130B

A-1305 SkU32 ex std WICC **3583** oct19

### Tentara Nasional Indonesia - Angkatan Laut (NY)

#### AS365N3+

HR-3605 BASARNAS d/d 12dec19 dec19

HR-3606 BASARNAS d/d 12dec19 dec19

The two last of the six ordered Dauphins were handed over to the SAR service on 12 December by PTDI Persero. These last two were ordered 16 November 2018.

## Japan

RJDU = Omura

RJNA = Nagoya/Komaki

RJNG = Gifu

RJOE = Akeno

RJTA = Atsugi

RJTE = Tateyama

RJTJ = Iruma

RJTU = Utsunomiya

ADTW = Hiko Kaihatsu Jikkend. ARW = Koku Kyunandan

ATS = Kyoiku Kokutai      EWOG = Denshi Sakusengun  
 FCG = Hiko Tenkentai      FTW = Hiko Kyoikudan  
 SW-ADF= Nansei Shien Hikohan  
 nmks = no tail unit number

#### Nihon Koku-Jieitai (AF)

It now looks like the Japanese government reverses its decision to stop production of the F-35A at the Mitsubishi plant at Nagoya. Mitsubishi revamped its production process, thus reducing the cost of manufacturing the F-35A. The cost of producing one F-35A at Nagoya is now slightly less than one manufactured at Ft. Worth, TX, if you include costs of shipping/flying the aircraft from the USA to Japan. Probably all F-35Bs will however be built in the USA.

There seems to be some controversy over the end of JASDF Phantom operations of the three units still flying the Spook. 501 Hikotai is set to end operations of the recce version in the first week of March 2020. The Hiko Kaihatsu Jikkendan at Gifu will withdraw the aircraft end of FY2020 (by March 2021). It now looks like 301 Hikotai will continue to operate the Phantom beyond end FY2019 (March 2020) and will stop flying in December 2020. It is possible 301 Hikotai Phantom operations stop a little bit earlier in Autumn 2020 and continue as a 'paper' squadron until it becomes the second F-35A squadron at Misawa. The reason one of the squadron's Phantoms already received special colours is because there will be no Hyakuri airshow in 2020, so no official day to say farewell to the public. Hyakuri will again be the venue for the tri-service Military Review in 2020.

#### C-1

28-1002	402 Hikotai	ex nb/IRAN	<b>8002</b>	dec19
58-1013	ex 402 Hikotai	stored platform RJTJ	<b>8013</b>	dec19
68-1014	ex 402 Hikotai	stored platform RJTJ	<b>8014</b>	dec19
68-1018	ex 402 Hikotai	stored platform RJTJ	<b>8018</b>	dec19

The last three are all withdrawn from use and stored on the southern ramp at Iruma. All three have their engines and vertical tail removed so probably awaiting scrapping.

#### C-2

08-1201	ADTW	IRAN at Gifu, white/red c/s	<b>1</b>	dec19
98-1209	403 Hikotai	badge applied	<b>9</b>	dec19
98-1210	403 Hikotai	badge applied	<b>10</b>	dec19

#### C-130H

45-1074	401 Hikotai	nb, ex IRAN	<b>382-5017</b>	dec19
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This Hercules received a new grey/blue camo pattern which is copied from the Kawasaki C-2 camo-scheme.

#### KC-130H

85-1080	o/h RJNG	last in light blue c/s	<b>382-5138</b>	dec19
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#### F-2A

13-8514	8 Hikotai	ex IRAN, special mks	<b>1014</b>	dec19
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43-8527	o/h RJNA	nb, test, ex 8 Hikotai	<b>1027</b>	nov19
43-8528	o/h RJNA	nb, test, ex 8 Hikotai	<b>1028</b>	dec19
53-8532	6 Hikotai	ex nb/IRAN	<b>1032</b>	dec19
63-8540	8 Hikotai	ex nb, special mks	<b>1040</b>	nov19
83-8544	ADTW	ex 8 Hikotai	<b>1044</b>	dec19
93-8545	6 Hikotai	ex IRAN	<b>1045</b>	nov19
93-8552	8 Hikotai	NOT 6 Hikotai	<b>1052</b>	nov19
13-8558	8 Hikotai	ex IRAN	<b>1058</b>	dec19

The special markings of both 8 Hikotai F-2As consist of two Kanji characters (meaning Black Panther) on the tail, one above the badge and one between the badge and the serial, furthermore the '8' in the serial is highlighted in yellow. Normally only one aircraft receives special markings for an airshow celebration. Could this be for another event?

#### F-2B

33-8118	21 Hikotai	nb, ex IRAN, 21 Hikotai	<b>3018</b>	dec19
33-8121	o/h RJNA	nb, test, ex ADTW	<b>3021</b>	dec19
33-8122	o/h RJNA	nb, test, ex 21 Hikotai	<b>3022</b>	dec19

F-2B 118 had a previous last note of February 2018 and resurfaced November 2019 doing test-flights after overhaul.

#### F-15DJ

12-8051	23 Hikotai	special mks	<b>001/627</b>	dec19
12-8054	23 Hikotai	ex IRAN	<b>004/634</b>	dec19
32-8081	304 Hikotai	ex IRAN		nov19

F-15DJ 051 was not seen for over a year but appeared at the open house with special tail markings, one side for 23 Hikotai, the other side for 305 Hikotai.

#### F-15J

32-8816	o/h RJNA	nb, ex 303 Hikotai	<b>016</b>	dec19
32-8822	203 Hikotai	ex nb/IRAN (feb19)	<b>022</b>	nov19
32-8824	305 Hikotai	ex IRAN	<b>024</b>	dec19
42-8834	305 Hikotai	ex IRAN	<b>034</b>	dec19
42-8836	304 Hikotai	ex IRAN	<b>036</b>	dec19
62-8867	23 Hikotai	ex nb/IRAN	<b>067</b>	dec19
62-8876	o/h RJNA	nb, ex 305 Hikotai	<b>076</b>	dec19
82-8905	201 Hikotai	NOT 203 Hikotai	<b>105</b>	dec19
22-8931	o/h RJNA	nb, ex 304 Hikotai	<b>131</b>	dec19
72-8963	201 Hikotai	prev. l/n mar17	<b>163</b>	nov19

#### F-35A

09-8717	Mitsubishi HI	f/n, test RJNA	<b>AX-17</b>	dec19
09-8718	Mitsubishi HI	f/n, test RJNA	<b>AX-18</b>	dec19

Obviously, production at Nagoya did not end. Following the logic of the JASDF serial system, both aircraft will be delivered in 2020.

#### CH-47J

47-4490	ARW	IRAN at Gifu	<b>5070</b>	dec19
77-4497	ARW	IRAN at Gifu	<b>5083</b>	dec19

#### UH-60J II

98-4609	ARW	f/n, at Ashiya	<b>2059</b>	dec19
98-4611	Mitsubishi HI	f/n, test RJNA	<b>2061</b>	dec19



Many thanks Misawa! Taken from the terminal, this photo illustrates the special markings worn by 13-8513. These were applied because the unit, 3 Hikotai, will move to Hyakuri before March 2020. (3 December 2019, Mike Jeffries)



Misawa is the first base operating the F-35A. They are used by 302 Hikotai. This fine study depicts 79-8704 on final approach. (11 November 2019, Hans Jacobs)

#### T-4

06-5630	204 Hikotai	ex nb, 302 Hikotai	<b>1030</b>	dec19
36-5694	o/h RJNG	Blue Impulse, ex store	<b>1094</b>	dec19
36-5695	304 Hikotai	ex 301 Hikotai (may18)	<b>1095</b>	dec19
36-5705	SW-ADF	flying, prev l/n may16	<b>1105</b>	nov19
76-5759	13 FTW	unit known, grey c/s	<b>1159</b>	nov19

T-4 630 was seen in March 2019 at Komatsu without badge, prompting us to think it was a transfer to one of the local units. More likely it was a fuel-stop on its way to Naha.

And again a new asset for the Blue Impulse, T-4 694 was seen making a test-flight at Gifu in full Blue Impulse colours. It was last noted inside a hangar at Komaki in October 2009 for storage and/or spares use.

T-4 705 is another enigma, not seen for over three and a half years.

#### T-7

46-5911	11 FTW	ex IRAN	<b>11</b>	dec19
66-5934	11 FTW	ex nb/IRAN, NOT 12FTW	<b>34</b>	dec19

Although the ferry-pilot was flown to Utsunomiya in a 12 FTW T-7, 934 ended up at Shizuhama.

#### U-4

75-3251	402 Hikotai?	JASDF emblem	<b>1270</b>	dec19
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For some time, four of the U-4s are flying without unit badge (the fifth was last seen May 2017), previously operated by 402 Hikotai (three a/c) and Shireibu Hikotai (two a/c). Since the end of October, U-4 251 has a monochrome JASDF emblem on the vertical tail. It is unclear if it is still operating with 402 Hikotai.

#### YS-11EB

02-1159	EWOG	ex o/h Nippi	<b>2151</b>	dec19
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#### YS-11FC

12-1160	ex FCG	stored platform RJTJ	<b>2159</b>	dec19
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Rikujo Jieitai (AR)

#### AH-1S

73475/75	SK	TDY Akeno Koku Gakko	<b>75</b>	dec19
73486/??	o/h RJTU	no code? ex IIATH	<b>86</b>	dec19

#### OH-1

32601	TE	TRY code for show	<b>1001</b>	dec19
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Confirmed again with the -TE- code.

One OH-1 was seen flying at Akeno beginning December 2019, 32633/WH with white (training) last two '33' was very active. It was doing a short local flight and some circuits before returning to the flightline, a hot (running engine) crew change followed by another session.

#### UH-1H

41637/NEH	ex stored	removed by dec19	<b>37</b>	sep19
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This former JGSDF Utsunomiya gate guard was stored/dumped near the other aircraft in the Utsunomiya Aviation Park, along with former gate guard OH-6D 31141/SU. Both were NOT seen beginning December 2019, removed for scrapping?

#### UH-1J

41804	std RJTU	covered, no rotors	<b>1J04</b>	dec19
41847	10 Hikotai	no code, 10 Hik. badge	<b>1J47</b>	dec19
41856	1 Hikotai?	no unit code, ex I	<b>1J56</b>	nov19
41857	o/h RJTU	no code? ex WH	<b>1J57</b>	dec19
41886/886	UtsunomiyaKou	no code, ex NEH	<b>1J86</b>	dec19
41893	EH, 10 Hikotai?	10 Hik. badge!	<b>1J93</b>	nov19

UH-1J 41804 has a long history of unknown units, last confirmed unit code was -EH- in October 2015. Thereafter it spent time at Utsunomiya in the training role and then operating with an Okadama unit. Beginning December 2019 it was seen at Utsunomiya behind the Utsunomiya Kou UH-1J hangar, partly covered and rotors removed. 41893 was seen inside an Akeno hangar with the 10 Hikotai badge applied but still with EH unit code.

#### OH-6D

31141/SU	ex stored	removed by dec19	<b>6442</b>	sep19
31298	IHB	ex WH (l/n dec17)	<b>6752</b>	dec19

#### CH-47J

52906	HGPV	ex no code/IRAN	<b>5008</b>	dec19
52921	MH/3 Hikotai	ex SK	<b>5031</b>	dec19

#### CH-47JA

52958	o/h RJNG	test at Gifu, XVH code	<b>5058</b>	nov19
52966	o/h RJNG	ex XIIH	<b>5069</b>	dec19
52974	HGPV	ex no code/IRAN	<b>5087</b>	dec19
52983	o/h RJNG	test at Gifu, HGPVI	<b>5098?</b>	nov19
52986	HGPVI	ex KHI	<b>5101?</b>	jan18

#### UH-60JA

43130	102 Hikotai?	code nn	<b>4030</b>	dec19
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#### AH-64DJP

74501/01	S	test-flight RJOE	<b>JP001</b>	dec19
74509/09	S	active RJOE	<b>JP009</b>	dec19

JG-4509 was also seen doing short local flights and circuits, followed by hot crew change.

#### TH-480B

62376	SU	stored RJTU	<b>5200</b>	dec19
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All twenty Utsunomiya Kou TH-480Bs were seen beginning December 2019, 19 positively identified. TH-480B 62376 was present however fully covered and without rotors, stored in

the back of the hangar.

### V-22B

Next FMS serial allocation for the second batch of V-22Bs for the JGSDF is probably 169427-169430.

In the meantime there finally is some sort of arrangement over the temporary base for the JGSDF Osprey fleet. The mayor of Kisarazu city has agreed to host the fleet for a maximum of five years at camp Kisarazu. First Ospreys are expected to arrive in June or July 2020. Negotiations continue on the permanent home, still rumoured to be Saga on the island of Kyushu.

### Kaijo Jieitai (NY)

#### SH-60J

8262	dump RJDU	SE corner	<b>1062</b>	nov19
8270	24 Kokutai?	nn RJTE, 21 Kokutai?	<b>1070</b>	dec19
8274	ex dump RJDU	scrapped?	<b>1203</b>	
8280	ex dump RJDU	scrapped?	<b>1209</b>	
8285	dump RJDU	SE corner	<b>1210</b>	nov19
8287	dump RJTE	NW corner	<b>1211</b>	dec19

SH-60J 8287 was seen inside one of the Tateyama hangars during the open house of July 2019, together with the two UH-60Js below. After all useful parts were removed, all three hulks were dumped outside, probably awaiting scrapping.

#### UH-60J

8961	ex dump RJDU	scrapped?	<b>3001</b>	
8965	ex dump RJDU	scrapped?	<b>3005</b>	
8966	dump RJTE	NW corner	<b>3006</b>	dec19
8967	dump RJTE	NW corner	<b>3007</b>	dec19
8968	dump RJDU	SE corner	<b>3008</b>	nov19
8972	o/h RJNA	nmks, test, ex 22 Kok.	<b>3012</b>	dec19

#### SH-60K

8413	212 ATS	ex 22 Kokutai	<b>5013</b>	nov19
8418	23 Kokutai	ex 51 Kokutai	<b>5018</b>	nov19
8432	212 ATS	ex 22 Kokutai	<b>5032</b>	dec19
8433	21/22 Kok?	now rep. 22 Kokutai	<b>5033</b>	nov19
8440	21 Kokutai?	ex IRAN, unit nn RJTE	<b>5040</b>	dec19
8442	22 Kokutai	ex IRAN	<b>5042</b>	nov19
8461	21 Kokutai?	ex MHI, unit nn RJTE	<b>5061</b>	dec19
8462	22 Kokutai	ex MHI	<b>5062</b>	nov19
8464	Mitsubishi HI	f/n, test RJNA	<b>5064</b>	dec19

#### P-1

5519	1 Kokutai	ex 3 Kokutai	<b>19</b>	dec19
5524	3 Kokutai?	nmks RJTA, ex KHI	<b>24</b>	dec19

5526 Kawasaki HI f/n, at RJNG **26** dec19

#### P-3C

5038 o/h Nippi? nmks RJTA, ex 1 Kok. **9035** dec19  
5078 o/h Nippi? nmks RJTA, ex 1 Kok. **9075** dec19

#### T-5

6351 201 ATS IRAN at RJTU **51** dec19

### Kaijō Ho'an-chō (CG)

#### Falcon 2000MSA

N345FJ for JCG at Shizuoka **345** nov19  
N346FJ for JCG at Shizuoka **346** dec19

Both were delivered to Japan via Chubu Centrair, before flying to Shizuoka the next day. At this civil airport the aircraft probably receive some pre-delivery and certification work before entering the Japanese civil register.

#### Falcon 900MSA

JA8571/LAJ571 ex 11th Region wfu 22nov19 **56** dec18  
Ministry of Defense (GV)

#### Schleicher ASK-21

NDA-9 NDA serial in Kanji dec19  
NDA-10 NDA serial in Kanji jul17  
NDA-12 NDA serial in Kanji jul17

At the last Kisarazu open house, a glider was photographed in one of the hangars. The white fuselage with red striping also had the red disc or sun also used by the three Self-Defense Forces. It had a serial consisting of two Kanji characters and the number nine, instead of a civil registration. With the help of a friend with knowledge of Japanese (TX Ard) we found it is operating for the Bōei Daigakkō or National Defense Academy of Japan. This academy is located in Yokosuka and aims to educate and train students who will be serving as officers in the three Self-Defense Forces.

The Kanji characters Bōdai is the abbreviation of Bōei Daigakkō, so we included the serial in our database as NDA-9. A search on the net found at least two other ASK-21s.

### Laos

Laos People's Liberation Army Air Force (AF)

#### MA600

RDPL-34022 to Lao Skyway as RDPL-34252 **09711107** dec19

#### H-425 (Z-9)

RDPL-34079 photo



Viking produces the DHC-6-400 and the United Arab Emirates bought ten of that were delivered in the 2013/14 timeframe. (Dubai Intl, 18 November 2019, Jan Gerrits)



The United Arab Emirates are in the process of receiving C295Ws. This brand new 822, construction number 182, was showcased at the Dubai air show. (18 November 2019, Jan Gerrits)

## Mongolia

Mongolian People's Air Force (AF)

### MiG-21bis

19	std Xieng Khouang	<b>N75081795</b>
722	std Xieng Khouang	<b>N75093799</b>
724	std Xieng Khouang	<b>N75094824</b>
727	std Xieng Khouang	<b>N75094853</b>
729	std Xieng Khouang	<b>N75094872</b>
730	std Xieng Khouang	<b>N75094880</b>

### MiG-29UB

18	h/o 26nov19	ex RuAF
50	h/o 26nov19	ex RuAF

## Myanmar

Tamdaw Lay (AF)

On 15 December 2019, the first two JF-17B Thunder fighter trainer aircraft were officially handed over to the Myanmar Defence Force at Mandalay-Meiktila airport during the celebration of the 72nd Defence Force Day. Every year on 15 December, the new military aircraft that are introduced in Myanmar are officially handed over.

This year's celebration saw the introduction of two JF-17B Thunders (serials 1706 and 1707), two Mi-35P attack helicopters (serials 6814 and 6815) and six Yak-130 training aircraft (serials 1809 to 1814). Some of the Yak-130s were already noted in Myanmar in January 2019. Regarding the JF-17B Thunders, serial 1707 was seen at the CAC factory airfield in Chengdu (China) in March 2019. We were not aware of any additional Mi-35Ps delivered after the 71st Defence Force Day in December 2018.

### ATR72-212A

0008	full colours, c/n update	<b>927</b>	sep18
0009	full colours, c/n update	<b>939</b>	nov19

### Bell 412

...	f/n, dark green camo	dec19
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### H120

...	f/n, dark green camo	dec19
...	f/n, dark green camo	dec19

### JF-17B

1706	h/o 15dec19	dec19
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### Mi-35P

6813	photo, date unknown	
6814	h/o 15dec19	dec19
6815	h/o 15dec19	dec19

### Yak-130

1809	1FTS	h/o 15dec19	dec19
1811	1FTS	h/o 15dec19	dec19

1812	1FTS	h/o 15dec19	dec19
1813	1FTS	h/o 15dec19	dec19
1814	1FTS	h/o 15dec19	dec19

## Pakistan

Pakistan Fiza'ya (AF)

OPRS = Risalpur-PAF Academy Asghar Khan

Number 22 Operational Conversion Unit (OCU) 'Ghazis' moved from Masroor near Karachi, Sindh, to Rafiqui, near Shorkot, Punjab. The unit is the OCU squadron for Mirages; it operates the former Libyan Mirages and former AdIA duals.

### AW139

18-005	nm	f/n, FY confirmation	oct19
18-006	nm	f/n, FY confirmation	oct19
18-011	nm	f/n, FY and c/n conf.	<b>31824</b> mar19

The first two were seen during the Inter Squadron Armament competition (ISAC), a live firing exercise held from 10 to 30 October 2019. The third was participating in the March 2019 Pakistan Defence Day parade.

### JF-17

18-252	PAC Kamra	f/n	2018
19-259	PAC Kamra	fcs, ex primer	<b>2P59</b> 2019

### JF-17B

19-603	PAC Kamra	FY update	nov19
...	PAC Kamra	f/n, primer	<b>2P71B</b> dec19

The latter production code reveals that this is the ninth dual made in Pakistan, because the last single seat Block II aircraft built was **2P62**, see last month. As the first three or four were built in China, the tie-up to the serial can only be assumed at this point in time. We reckon that Pakistani production started with serial 605.

### T-37B

60-0093	pres OPRS	ex Basic FTW	nov19
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Finally this T-37B that sits on base at N34.06745°, E71.97957°, was identified from a recent photograph.

Pakistan Fauj (AR)

### Enstrom 280FX

786-120	nn	f/n	2019
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## Philippines

Pilipinas Hukbong Himpapawid (AF)

### UH-1H

/122	5051st SRS	apr18
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## South Korea

Han Guk Gong Gun (AF)

### F-4D

68-810	Myeonggok-dong	<b>2788</b>
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Preserved Dongwon Institute of Science & Technology.

#### F-4E

60-505 10 FW/153 FS should be active **4978**

This according to a South-Korean source who asked a mechanic at ADEX 2019.

#### F-5E

50-508 Jincheon-eup **R1233**

Preserved Woosuk University.

#### F-5F

50-739 Jangan-dong **W1005**

80-777 Myenggyok-dong **W1024**

Preserved at Kookje University and Dongwon Institute respectively.

#### KF-5E/F

It looks like more western spotters are daring to visit RoKAF bases. As a reminder, most KF-5E/Fs are carrying unit badges. 18 FW aircraft carry the individual squadron badge (105 or 112 FS) on the vertical tail, 10 FW aircraft carry the wing badge on the vertical tail but also a small individual squadron badge (101 or 201 FS) below the double tiger-heads in front of the intakes.

#### F-35A

19-009 17 FW not yet noted **AW-09** dec19

19-010 17 FW **AW-10** dec19

19-011 17 FW **AW-11** dec19

19-012 17 FW not yet noted **AW-12** dec19

19-013 17 FW not yet noted **AW-13** dec19

19-014 LockheedMartin f/n, at Ft.Worth, TX **AW-14** nov19

On 17 December 2019, the F-35A was officially integrated into the RoKAF during a ceremony at Cheongju, the home of the 17th FW. According to the press release 13 F-35As have been delivered although three have not yet been seen at Cheongju. It is expected twenty more F-35As will be procured, making a total fleet strength of sixty by 2025.

#### Han Guk Hae Gun (NY)

The RoKNavy retired its last three SA319B Alouette III helicopters on 3 December 2019 at its Mokpo base. A total of 12 were procured, our database however only has part details of 11. The last part of their career was dedicated to training naval helicopter pilots.

#### Thailand

Royal Thai Air Force (AF)

#### AU-23

The air force has been looking for a replacement for the

AU-23A Turbo Porter aircraft. However, after making a short list including the Kodiak 100, Cessna 208, AT-6C and Super Tucano it has been decided that flying the AU-23A a little longer until 2029 makes more sense. As a result some upgrades on the avionics on these aircraft can be expected soon.

Royal Thai Army (AR)

#### Enstrom 480B

5249 ex N8732E **5249**2dec19

5250 ex N8736E **5250**2dec19

5251 ex N8738E **5251**2dec19

On 2 December 2019 the American test registrations were cancelled.

#### C295M

19160 ex 160 **160** dec19

On 2 December the aircraft arrived at Don Muang on delivery to the Army, still with its Spanish test registration applied.

#### Vietnam

Không quân Nhân dân Việt Nam (AF)

Something we missed, but 267 was the last flying Antonov An-26 serving the Vietnam People's Air Force. Having long been the staple of the VPAF's logistical capabilities, the entire Antonov An-26 fleet was grounded and retired in October of last year. Currently, the VPAF operates only three EADS C-295M transports, a minuscule amount compared to the amount of An-26s that once flew for the VPAF.

#### Latin America

#### Argentina

CCPEL = Curso Conjunto de Pilotos de Helicópteros

EAM = Escuela de Aviación Militar

FAdeA = Fabrica Argentina de Aviones

IPET = Instituto Provincial de Educación Técnica

Adding to last month's notes on the AB206 program, more information has become available. Eight of the former Carabinieri machines are nearly completed. Of these, four are destined for the Army, two for the Prefectura Naval and two for the Gendarmería. The registrations for the latter two forces are in the "AE-T00x" format as they are handled under the army contract. The "T" stands for *transitorio* (temporary.)

On 25 June, the EMB312A were moved to III Brigada Aerea to be taken up by Grupo 3 de Ataque. The II Escuadron Operativo operates them now. After the IA-58 Pucara was withdrawn and the T-6s were replacing the Tucano, this is a logical



Becoming extremely rare to encounter, a couple of BAe748s is still used by South Korea for VIP duties with 296sq. (ADEX Seongnam AB, 18 october 2019, René Verschuur)



Seen departing Cambridge here is United Arab Emirates Air Force and Air Defence Global 6000 1326 construction number 9517. This is the second of these special missions aircraft operated by them, 1325 (9494) being the other one. (20 December 2019, Westleigh Bushell)

move. Because of this new role, light attack, the serial prefix was changed from 'E-' (enseñanza - training) to 'A-' as well. Fuerza Aérea Argentina (AF)

#### Beech B45

E-092 i/a IPET 251 ex EAM **CG-268** nov19

#### C-130H

TC-66 o/h FAdeA since early 2018 nov19

This Herkybird has nearly finished its overhaul and appeared outside in the new grey livery.

#### EMB312A

A-102	G3A	ex E-102 EAM	<b>312154</b>	oct19
A-104	G3A	ex E-104 EAM	<b>312159</b>	oct19
A-108	G3A	ex E-108 EAM	<b>312169</b>	oct19
A-110	G3A	ex E-110 EAM, gy c/s	<b>312171</b>	oct19
A-112	G3A	ex E-112 EAM, gy c/s	<b>312148</b>	oct19
A-114	G3A	ex E-114 EAM, gy c/s	<b>312182</b>	oct19
A-116	G3A	ex E-116 EAM, gy c/s	<b>312322</b>	oct19
A-122	G3A	ex E-122 EAM	<b>312341</b>	oct19
A-128	G3A	ex E-128 EAM	<b>312366</b>	oct19
A-129	G3A	ex E-129 EAM, gy c/s	<b>312367</b>	oct19
A-130	G3A	ex E-130 EAM, gy c/s	<b>312372</b>	oct19

#### IA-58A

A-574 pr Ataliva, SF ex loan to FAU **075** nov19

After the withdrawal of the IA-58 Pucara from service, we expect more to be freed up for preservation. Unless the Fenix upgrade program takes off but that would be for a limited number of aircraft anyhow. Anyway, this one is or will be preserved at the Museo Gustavo Osvaldo Miretti. The name-sake of this museum perished on the cruiser Belgrano during The Falklands/Malvinas conflict.

#### IA-63 Pampa III

A-703	G6C	c/n update	<b>1031</b>	sep19
A-704	G6C	c/n update, h/o	<b>1032</b>	nov19
A-705	FAdeA	c/n update	<b>1033</b>	nov19

The last one is to be delivered later this year ending the contract for six Pampa IIIs. Another airframe, **1027**, that was intended for Guatemala and later for Bolivia is in final production. It is doubtful if it will ever go to Bolivia. This is the former EX-04 remanufactured to Pampa III block I production standard. As you may know, bits and pieces and even full airframes up to construction number **1043** have been present in the FAdeA factory since 2014. They may see the light of day if a contract, either foreign or domestic, is signed. The latter was attempted again for the ten airframes; but budget restraints may well foreclose that. Also the Guatemalan deal, now for two aircraft, is being revived so it seems.

#### Mirage M5A Mara

C-619/"C-433" pres Luján de Cuyo oct19  
This Mirage 5 sits at the crossroads of Juan José Paso and San Martín, masquerading as a Dagger. The real C-433 was shot down on 1 May 1982 by Sea Harrier FRS1 XZ455. It is the second preserved aircraft bearing this serial, the other being an unknown Mirage 3CJ at Laboulaye, CD.

#### SZD-30

V-17 i/a IPET 251 ex EAM **B300** nov19

#### T-6C+

E-310	EAM	d/d 30sep19	nov19
E-311	Textron	ntu 30sep19, d/d 19dec19	dec19

Two more were on their way to Argentina late September/early October. Of these, E-310 made it and was taken on charge on 20 October. However, E-311 went as far as Panama on 30 September and headed back to Wichita, (KS), as a precaution after it was struck by lightning. Eventually it was delivered 19 December 2019.

Comando de Aviación de Ejército Argentino (AR)

SADO = Campo de Mayo, BA

#### AB206B-1

AE-310	CCPEL	d/d 29nov19	nov19
AE-311	FAdeA	o/o	nov19
AE-312	FAdeA	o/o, f/n, flight test hangar	nov19
AE-313	FAdeA	o/o, f/n	nov19
AE-314	FAdeA	o/o, f/n	nov19

#### UH-1H-II

AE-475	BHelicAsal 601	ex AE-401	<b>11387</b>	nov19
AE-476	FAdeA	f/n nov19, d/d 22dec19		dec19
AE-479	BHelicAsal 601	ex GN-932	<b>13472</b>	nov19
AE-480	nn	ex GN-933	<b>9901</b>	

These two Huey-II's were traded against the three Diamonds below.

#### DA42TDI

AE-043	to Gendarmería	<b>42.AC005</b>	2018
AE-044	to Gendarmería	<b>42.AC031</b>	2018
AE-045	to Gendarmería	<b>42.AC057</b>	2018

#### Comando de Aviación Naval Argentina (NY)

Just a short update on the prolonged process to acquire four P-3C to replace the P-3Bs. The US State Department approved an upgrade for the systems of these aircraft totalling USD 78 million. The airframes come from 309th AMARG. The work is contracted, among others, to Logistic Services International at Jacksonville, (FL). Delivery is expected in 2020.

#### EMB326G

0785/4-A-138 pr Chascomús ex std Chascomús nov19

After lingering at the local airfield for years, it has now been restored and freshly painted and will imminently take up residence at the roundabout of Route 20 into town.

Prefectura Naval Argentina (CG)

#### AB206B-1

AE-T002	FAdeA	o/o, flight test hangar	nov19
AE-T004	FAdeA	o/o, f/n	nov19

This corrects last month's issue. T002 being destined for the Prefectura instead.

Gendarmería Nacional Argentina (PO)

#### AB206B-1

AE-T001	FAdeA	o/o, flight test hangar	nov19
AE-T003	FAdeA	o/o, f/n	nov19

#### UH-1H-II

GN-932	to Ejército	as AE-479	<b>13472</b>
GN-933	to Ejército	as AE-480	<b>9901</b>

In return, three Diamonds were received from the Army. They are still being converted for aerial policing and surveillance tasks.

#### SA315B

GN-912 pres Museo GN wfu apr12, ex std SADO **2582** nov19  
It is preserved inside the Museo de Gendarmería Nacional in Buenos Aires, Avenida Presidente Ramón Castillo 788, just Northeast of Retiro train station.

### Brazil

Força Aérea Brasileira (AF)

#### SC-105

6551	2°10°GAv	d/d 23nov19	<b>180</b> nov19
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#### KC-390

PT-ZXQ	EMBRAER	f/n, regd nov19	<b>39000005</b> nov19
2854	1°GTT	toc 13dec19	dec19

This is likely the same airframe temporarily registered with a civil mark for pre-delivery test flights. The type has received 'Millenium' as nickname, Portuguese so with only one 'n'.

### Chile

Fuerza Aérea de Chile (AF)

#### C-130H

990	Grupo 10	w/o 09dec09	<b>4776</b>
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#### Cirrus SR-22T

235	EdA	active, not w/o 29mar19	<b>0503</b>
236	w/o 29mar19		<b>0504</b>
239	Grupo 8	c/n tie-up confirmed	<b>1387</b>
240	Grupo 8	c/n tie-up confirmed	<b>1388</b>
241	EdA	c/n tie-up confirmed	<b>1614</b>
242	Grupo 2	c/n tie-up confirmed	<b>1615</b>

The insurance policy paperwork for 2019 revealed that 236 was the crash victim, not 235. The policy paid out USD 680.300 for that. Also, the documents confirmed the tie-ups for the last four deliveries. The dispersion of the aircraft is, three with EdA at El Bosque, two with Grupo 2 at Iquique, and two with Grupo 8 at Antofagasta.

#### Servicio de Aviación de la Armada de Chile (NY)

#### P-3ACH

404	VP-1	upgraded	<b>5135</b> nov19
407	IMP Halifax	being upgraded jun18	<b>5097</b>

### Ecuador

Fuerza Aérea Ecuatoriana (AF)

Ecuador ordered sixteen Grob 120TP aircraft. The first eight were slated for delivery in 2019 while the others are planned to arrive in 2020. They will be used for basic training.

Apart from the Koalas, see below, more new helicopters are due. FAE announced on 27 November that six H145M were acquired. These replace the ill-fated Dhruvs that were withdrawn in 2015.

#### AW119Ke

FAE-1202	Esc2211	f/n
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Four have been delivered earlier this year, one was all red with civil registration HP-1667IA applied while two of the others are ex XB-PPR (**14738**) and N965TC (**14741**).

Aviación del Ejército Ecuatoriana (AR)

#### AS332B

E-461	wfu 2018	used for spares	<b>2010</b> jul19
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The Super Pumas have been in service between 34 and 37 years and are getting very long in the tooth. Only E-465 was operable in June 2019, with E-462, E-464, and E-466 requiring major inspection and overhaul. The one mentioned above was withdrawn from use and is being cannibalized.



The museum of the Gendarmería Nacional in Buenos Aires gained a new exhibit. This SA315B GN-912 construction number 2582 was placed inside. (Buenos Aires, 13 November 2019, Richard Johnston)



The air force of Guatemala is facing some growing pains, illustrated by the troubled IA-63 Pampa purchase. Another new acquisition is this new built DHC-6-400 delivered late September 2019. (1730, DHC-6-400, La Aurora, 17 December 2019, Carlos Alberto Rubio Herrera).

#### Mi-171

E-480	wfu 2019	used for spares	jul19
E-481	wfu 2019	used for spares	jul19
E-482	wfu 2019	used for spares	jul19

The Mil helicopter fleet is also in a dismal state. In 2018/2019 only Mi-171 E-485 and Mi-171E E-488 were operable.

#### Mi-171E

E-487	15-BAE	c/n update	<b>00218094710U</b>	jul19
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The identity of E-487 was revealed in a tender for overhaul. This also means that the other Mi-171E, E-488, is almost certainly **4801U**.

#### Paraguay

Fuerza Aérea Paraguaya (AF)

Last month's entry ended up under the "Fuerza Aerea del Perú" caption, obviously you must have noticed this should have been Fuerza Aérea Paraguaya!

Two former Republic of China Hueys, the other pair of the four that were promised earlier this year, were handed over in Taiwan mid-November. They are expected to be delivered this year joining the two that arrived in August, bringing the total to fourteen.

#### UH-1H

H-0440	GAH	w/o 21nov19	
...	o/o	ex TWN 382	<b>18082</b> nov19

The first was one of the two delivered in August, whereas the new one is part of a batch of three to be delivered by ship in April 2020.

#### Peru

Fuerza Aérea del Perú (AF)

EDACI = Escuela de Aviación Civil

#### PA-44-180

OB-2131	EDACI	f/n, ex 483?	<b>44-96378</b>	nov19
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This is almost certainly the same aircraft that was allocated serial 483 in 2017. The aircraft by the military-owned flight school all have dual registrations and they are quite inconsequential in which one is used.

Ejercito del Perú (AR)

Further to last month's notes, all Mi-171Sh indeed run in c/n to serial: EP-667 **7441U** to EP-690 **7464U**.

Policía Nacional del Perú (PO)

The contract for a single An-178 worth USD 65 million was

published on 19 December 2019. Although not the cheapest, compared to the C295 and C-27J, it earned most points in the payload that can be carried. Delivery should be before October 2021.

## North America

### United States

United States Air Force (AF)

#### A-10C

78-0688/OS	25th FS	ex 75th FS	<b>A10-0308</b>	oct19
78-0712	303rd FS	ex 357th FS	<b>A10-0332</b>	nov19
79-0172/FT	82nd TRW	ex 74th FS	<b>A10-0436</b>	oct19
80-0149/FT	74th FS	ex 75th FS	<b>A10-0499</b>	sep19
80-0180/FT	82nd TRW	ex 75th FS	<b>A10-0530</b>	oct19
82-0648/DM	354th FS	ex unmarked	<b>A10-0696</b>	nov19

#### A-29B

17-2030	81st FS	f/n nov19		nov19
17-2031	81st FS	f/n nov19		nov19
17-2032	81st FS	f/n nov19		nov19

#### B-1B

86-0098/DY	28th BS	ex OC ALC	<b>58</b>	oct19
86-0108	OC ALC	ex 37th BS	<b>68</b>	dec19
86-0117/WA	77th WPS	ex 9th BS	<b>77</b>	oct19

#### B-2A

88-0332/WM	13th BS	ex 393rd BS	<b>1011/AV-11</b>	oct19
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#### B-52H

61-0019/ED	2419th FLTS	ex 20th BS	<b>464446</b>	nov19
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#### KC-10A

84-0185	60th AMW	ex 305th OG	<b>48224/394</b>	nov19
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#### C-17A

96-0001	WR ALC	ex 758th AS	<b>50037/F036/P33</b>	nov19
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#### C-21A

86-0374	457th AS	ex 200th AS	<b>35A-624</b>	oct18
86-0377	457th AS	ex 200th AS	<b>35A-629</b>	oct18

#### RC-26B

94-0264	unmarked	ex 111th RS	<b>DC-862B</b>	oct19
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#### C-32A

19-0018	1st AS	ex N903TB?		dec19
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#### KC-46A

17-46038	22nd ARW	new delivery		oct19
18-46040	22nd ARW	new delivery	<b>34087/1162</b>	oct19
18-46043	22nd ARW	new delivery	<b>34092/1168</b>	oct19



**HH-60G**  
89-26206/AV 56th RQS ex 48th FW **70-1435** dec19  
90-26310 66th RQS ex 422nd TES **70-1540** nov19

**MQ-9A**  
11-4120/TX 111th AS ex 138th ATKS **PB-120** nov19

**T-38A**  
67-14826/WM 13th BS ex 394th CTS **T6021** dec19

**T-38C**  
64-13272/RA 560th FTS ex 435th FTS **N5701** oct19  
65-10422/RA 560th FTS ex 435th FTS **N5841** oct19  
66-4344/EN 90th FTS ex 469th FTS **N5921** oct19  
68-8104/CB 50th FTS ex 3rd FTS **T6109** oct19  
68-8112/RA 39th FTS ex 435th FTS **T6117** nov19

**T-6A**  
00-3571/RA 559th FTS ex 8th FTS **PT-75** dec19  
00-3585/XL 85th FTS ex 434th FTS **PT-91** oct19  
01-3601/XL 434th FTS ex 84th FTS **PT-118** oct19  
02-3666/XL 434th FTS ex 85th FTS **PT-209** oct19  
04-3710/VN 33rd FTS ex 8th FTS **PT-260** oct19  
05-3783/XL 434th FTS ex 459th FTS **PT-335** oct19  
06-3835/XL 434th FTS ex 85th FTS **PT-390** oct19  
08-3907/XL 85th FTS ex 434th FTS **PT-466** oct19  
98-3032/RA 559th FTS ex 85th FTS **PT-36** oct19

**CV-22B**  
14-0072 8th SOS f/n oct19 oct19

**United States Army (AR)**

The 300th AH-64E Apache Guardian was accepted by the US Army on 11 September 2019. The helicopter was delivered to 1-17th CAV (82nd Combat Air Brigade) at Simmons AAF, Fort Bragg (NC). This is the tenth Apache unit to be equipped with these attack helicopters. The unit had received its first AH-64E on 14 August 2019. In total twenty-four AH-64E Apaches will be delivered to this unit. Sister unit 1-82nd AVN (82nd Combat Air Brigade) at the same airfield will also receive twenty-four AH-64E Apaches.

In South Korea, 2-2nd AVN is converting to the UH-60M Black Hawk. During September 2019, a mix of UH-60L and UH-60M helicopters were reported at Seongnam (South Korea). No HH-60M medevac helicopters were reported on strength with sister unit C/3-2nd AVN at Desiderio AAF (South Korea). Usually, the HH-60M is introduced with the medevac company of a Combat Air Brigade at the same time that the assault regiment converts to UH-60M. So it is quite likely, that C/3-2nd AVN is undergoing conversion to the HH-60M as well.

B/2-1st AVN Marshall AAF, Fort Riley (KS)  
2-2nd AVN Seoul K-16 AB, Seongnam (South Korea)  
B/3-2nd AVN Desiderio AAF, Camp Humphreys (South Korea)  
4-2nd AVN Desiderio AAF, Camp Humphreys (South Korea)  
4-3rd AVN Hunter AAF, Fort Stewart (GA)  
B/2-4th AVN Butt AAF, Fort Carson (CO)  
1-14th AVN Hanchey AAF, Fort Rucker (AL)  
3-17th CAV Hunter AAF, Fort Stewart (GA)  
6-17th CAV Butt AAF, Fort Carson (CO)  
B/3-25th AVN Wheeler AAF, Schofield Barracks (HI)  
B/1-52nd AVN Ladd AAF, Fort Wainwright (AK)  
Det.1 B/2-104th AVN AASF Bradley IAP, Windsor Locks (CT)  
1-130th AVN NC ARNG, AASF Raleigh-Durham IAP (NC)  
Det.1 B/2-135th AVN CO ARNG, AASF Buckley AFB (CO)  
C/1-137th AVN IN ARNG, AASF Shelbyville MAP (IN)  
1-140th AVN CA ARNG, Los Alamitos AAF (CA)  
A/2-149th AVN SC ARNG, AASF McEntire JNGS (SC)  
C/1-150th AVN WV ARNG, AASF Wheeling Ohio CAP (WV)  
A/7-158th AVN USARC, AASF Victorville (CA)  
A/1-168th AVN ID ARNG, AASF Boise Airport (ID)  
C(-)/1-168th AVN CA ARNG, AASF Sacramento Mather Airport (CA)  
Det.1 F/1-169th AVN PA ARNG, AASF Muir, Fort Indiantown Gap (PA)  
Det.1 G/2-211th AVN AZ ARNG, AASF Papago AHP (AZ)  
1-223rd AVN Fort Rucker (AL)  
B/2-227th AVN Hood AAF, Fort Hood (TX)  
3-227th AVN Hood AAF, Fort Hood (TX)

D/1-230th AVN TN ARNG, Nashville IAP (TN)  
Det.2 C/2-238th AVN SC ARNG, AASF McEntire JNGS (SC)  
A/2-285th AVN AZ ARNG, AASF Papago AHP, Phoenix (AZ)  
1106th TASMG CA ARNG, Fresno (CA)  
AFTD Aviation Flight Test Directorate, Huntsville IAP (AL)  
BEST BEST Aircraft Consolidation Facility, Huntsville (AL)  
EAATS Eastern Army National Guard Aviation Training Site PA ARNG, Muir AAF, Fort Indiantown Gap (United States Army Air Ambulance Det. Flatiron at Cairns AAF, Fort Rucker (AL))  
USAAAD Flatiron Western Army National Guard Aviation Training Site AZ ARNG, Marana-Silver Bell AHP (AZ)

WAATS  
KFAF = Felker AAF, Fort Eustis (VA)

**C-12D-1**  
83-24147 NJ ARNG ex nb **BP-36** nov19  
NJ ARNG probably has been using this C-12 for quite some time now. The exact unit designation is unknown. It used to be OSACOM Det.19, but these detachments have been re-flagged several years ago. Unfortunately, many details are still unknown. Actually various official Army National Guard continue to list the old unit designations.

**MC-12S-2**  
10-00739 B/224th MI Bn see note **FL-739** sep19  
This aircraft was last confirmed as MC-12W in December 2017. In that month it flew out to L3 at Greenville (TX). Reportedly, it has been converted to MC-12S-2 standard but confirmation is required. By September 2019, it was first reported active with B/224th MI Bn, but possibly the aircraft has been in use with this unit for quite a while already.

**CH-47D**  
88-00067 AFTD ex nb **M3241** nov19  
The US Army Aviation Missile Center at Redstone Arsenal (AL) published some pictures on their Twitter account of a CH-47D marked "067" at the back of the rear pylon. The only CH-47D with 067 as last three is 88-00067. The helicopter was last reported with Summit Aviation at Middletown (DE) in July 2017. In cooperation with Boeing, the US Army has installed more powerful General Electric T-408 engines on this helicopter. These engines are installed in square engine nacelles on each side of the rear pylon. The US Army is not planning to upgrade its current fleet of CH-47F Chinooks, so the US Army participation seems to be limited to a technology research project.

**CH-47F**  
07-08743 PA ARNG, ex Det.1 B/2-104th AVN **M8743** nov19  
08-08753 B/1-52nd AVN ex B/3-25th AVN **M8753** sep19  
09-08059 AFTD see note **M8059** sep19  
11-08410 1-223rd AVN ex nb **M8410** sep19  
15-08465 Det.1 B/2-135th AVN, ex B/2-4th AVN **M8465** nov19  
15-08468 B/3-25th AVN ex B/1-52nd AVN **M8468** nov19  
16-08204 B/3-25th AVN f/n **M8204** nov19  
16-08213 B/3-2nd AVN f/n **M8213** oct19  
16-08214 B/3-2nd AVN f/n **M8214** oct19  
16-08215 B/3-2nd AVN f/n **M8215** oct19  
16-08216 B/3-2nd AVN f/n **M8216** oct19  
16-08222 1-223rd AVN ex nb **M8222** sep19  
16-08470 B/3-25th AVN f/n **M8470** nov19  
16-08471 B/3-25th AVN f/n **M8471** oct19  
16-08473 B/3-2nd AVN f/n **M8473** oct19  
16-08477 B/3-2nd AVN f/n **M8477** oct19  
16-08478 B/2-227th AVN f/n **M8478** oct19

Chinook 09-08059 was reported as operating out of Felker AAF, Fort Eustis (VA) and it is believed that it is used by the AFTD detachment at this Army Airfield. In December 2019, both 17-08242 and 17-08243 were undergoing pre-delivery modifications at Huntsville (AL).

**OH-58A**  
68-16936 std Colombiana (AL), for sale as scrap **40250** nov19  
69-16372 std Marianne (FL), for sale as scrap **40593** nov19  
70-15336 std Colombiana (AL), for sale as scrap **40887** nov19  
72-21267 std Franklin (TN), for sale as scrap **41933** nov19

Both Kiowas 68-16936 and 70-15336 were used by FA Colombia on loan as 59 and 38 respectively.

**OH-58C**

72-21077 std Ocala (FL), for sale as scrap **41743** nov19

**UH-60A**

78-22983 to N160UN ex std BEST **70-046** nov19  
 78-23011 to N160UC ex std BEST **70-074** dec19  
 80-23443 to N194BH ex std BEST **70-201** nov19  
 80-23448 std BEST ex F/1-171st AVN **70-206** nov19  
 81-23556 WAATS ex PA ARNG **70-277** sep19  
 82-23684 std BEST, ex Det.1 G/2-211th AVN **70-507** oct19  
 83-23909 to N604CK ex std BEST **70-734** nov19  
 83-23910 Det.1 F/1-169th AVN, ex nb **70-735** nov19  
 83-23930 WAATS ex nb **70-755** sep19  
 84-23978 C(-)/1-168th AVN, ex nb **70-815** sep19  
 84-23991 TX ARNG ex nb **70-828** oct19  
 84-24003 D/1-230th AVN ex nb **70-844** dec19  
 85-25512 D/1-230th AVN ex nb **70-913** dec19  
 86-24508 TX ARNG, ex o/h 1106th TASMG **70-1051** oct19  
 86-24532 Det.1 F/1-169th AVN, ex nb **70-1036** nov19  
 86-24541 TX ARNG see note **70-1051** oct19  
 87-24624 USAAAF Flatiron, ex nb **70-1152** sep19  
 88-26046 D/1-230th AVN ex nb **70-1262** dec19  
 89-26123 WAATS ex A/2-285th AVN **70-1343** sep19  
 89-26135 WAATS ex PA ARNG **70-1362** sep19

Both 83-23910 and 86-24532 were reported at Fort Indian-town Gap (PA). Various units with Black Hawks are based there, but given the Medevac history of both it is believed that they are operated by the here mentioned unit.

Black Hawk 86-24541 is believed to be converted to UH-60L standard, and is probably operated by C(-)/2-149th AVN TX ARNG. Also 84-23978, 84-24003, 85-25512, 87-24624 and 88-26046 are believed to be converted to UH-60L standard.

**UH-60A+**

81-23549 to Afghanistan as 23549 **70-270**  
 81-23584 to Afghanistan as 23584 **70-305**  
 88-26054 PA ARNG ex nb **70-1271** nov19  
 89-26132 A/1-168th AVN ex nb **70-1358** dec19

Both Black Hawks listed here as to Afghanistan were under-going pre-delivery modification by SES at Huntsville (AL) in December 2019. We previously believed that 81-23584 was modified to UH-60L standard, but that turns out to be incorrect. Related to this, 89-26132 is believed to have been upgraded to UH-60L status but confirmation is required.

**HH-60L**

04-27020 to N158TF ex std BEST **70-2865** dec19

**UH-60L**

86-24522 Det.2 C/2-238th AVN, ex nb **70-1023** sep19  
 90-26265 USAAAD Flatiron, ex 2-2nd AVN **70-1494** sep19  
 94-26569 D/1-230th AVN ex A/2-4th AVN **70-2089** dec19  
 95-26632 2-2nd AVN ex nb **70-2157?** oct19  
 98-26801 A/7-158th AVN ex nb **70-2463** sep19  
 01-26887 std KFAF ex nb sep19  
 05-27063 C/1-5th AVN w/o 26sep19  
 06-27074 o/h 1106th TASMG, ex nb sep19

The Black Hawk stored at Felker AAF, Fort Eustis (VA) was reported as 96-26887. It is believed that the FY was reported incorrect and that it concerns the here mentioned 01-26887.

**UH-60M**

..-20803 C/1-137th AVN f/n nov19  
 ..-20818 3-227th AVN ex Sikorsky oct19  
 ..-20910 EAATS f/n nov19  
 17-20962 1-140th AVN ex 1106th TASMG **70-4979** sep19  
 ..-20968 1-140th AVN f/n dec19  
 ..-20978 1106th TASMG f/n sep19  
 ..-20981 1-140th AVN f/n dec19  
 ..-20996 2-2nd AVN f/n oct19  
 ..-20998 2-2nd AVN f/n oct19  
 ..-20999 2-2nd AVN f/n oct19  
 ..-21000 2-2nd AVN f/n oct19  
 ..-21005 2-2nd AVN ex Sikorsky oct19  
 ..-21031 2-2nd AVN f/n oct19  
 ..-21034 C/1-50th AVN f/n oct19

**AH-64D**

02-05326 3-17th CAV ex 6-17th CAV **PV326** oct19  
 09-05633/33Z 1-14th AVN ex 1-130th AVN **PVD633** sep19  
 09-05658 4-2nd AVN ex nb **PVD658** oct19

**AH-64E**

17-03172/72E 1-14th AVN f/n **NM172** nov19  
 19-03251 Boeing Mesa (AZ), f/n **NM251** nov19  
 19-03252 Boeing Mesa (AZ), f/n **NM252** nov19  
 19-03255 AFTD f/n **NM255** dec19

**TH-67A**

N67273 for sale by tender, ex 1-223rd AVN/73A **5133** nov19  
 N67455 for sale by tender, ex 1-223rd AVN/55B **5154** nov19  
 N67609 for sale by tender, ex 1-223rd AVN/09J **5178** nov19  
 N67745 for sale by tender, ex 1-223rd AVN/45A **5200** nov19

**UH-72A**

10-72177/77F 1-223rd AVN ex nb sep19



Columbus Air Force Base is part of Air Education and Training Command and as such home to many flying training units and associated aircraft. Seen here is T-6A Texan II 02-3654/CB operated by 37th FTS 'Bengal Tigers', 14th FTW. (Columbus AFB, 6 September 2019, Rob van Disseldorp)

..-72245	C(-)/2-151st AVN, ex 1-223rd AVN?		dec19
..-72369/69P	1-223rd AVN	ex nb	sep19
..-72378/78M	1-223rd AVN	f/n	sep19
..-72387/87H	1-223rd AVN	f/n	sep19
..-72392/92G	1-223rd AVN	f/n	nov19
..-72395/95G	1-223rd AVN	f/n	sep19
..-72397/97A	1-223rd AVN	f/n	sep19
..-72402/02M	1-223rd AVN	f/n	sep19
..-72404/04K	1-223rd AVN	f/n	sep19
..-72406/06L	1-223rd AVN	f/n	sep19
..-72407/07M	1-223rd AVN	f/n	sep19
..-72408/08J	1-223rd AVN	code confirmed	nov19
..-72409/09P	1-223rd AVN	f/n	sep19
..-72412/12L	1-223rd AVN	f/n	sep19
..-72417/17M	1-223rd AVN	code confirmed	sep19
..-72418/18J	1-223rd AVN	code confirmed	sep19
..-72430/30K	1-223rd AVN	f/n	sep19
..-72434/34K	1-223rd AVN	f/n	sep19
..-72435/35_	1-223rd AVN	f/n	sep19
..-72436/36B	1-223rd AVN	f/n	sep19
..-72437/37_	1-223rd AVN	f/n	sep19
..-72438/38_	1-223rd AVN	f/n	sep19

### United States Navy (NY)

FRCE = Fleet Readiness Center East, Cherry Point (NC)  
 FRCMA = Fleet Readiness Center Mid Atlantic, Oceana (VA)  
 FRCSW = Fleet Readiness Center South West, North Island (CA)

<b>C-40A</b>				
165834/834	VR-61	ex 834/VR-58	<b>32598/1174</b>	oct19

<b>E-2C-2000</b>				
165820/601	VAW-117	ex NG-601	<b>A191</b>	nov19
165824/602	VAW-117	ex NG-602	<b>A195</b>	nov19

<b>E-2D</b>				
169072/772	VAW-113	ex 772/VAW-120	<b>AA38?</b>	sep19
169073/NE-603	VAW-113	ex 662/VAW-120	<b>AA39?</b>	dec19

<b>F/A-18A</b>				
162905/AF-405	309th AMARG	ex AF-405/VFA-204	<b>466/A383</b>	nov19

<b>F/A-18C</b>				
164234/22	NAWDC	ex AJ-314/VFA-15	<b>997/C220</b>	nov19
164632/AD-334	VFA-106	ex AJ-401/VFA-37	<b>1049/C261</b>	jan19

<b>F/A-18E</b>				
166439/AC-204	VFA-83	ex NG-216/VFA-14	<b>E084</b>	nov19
166604/AC-206	VFA-83	ex AG-104/VFA-143	<b>E100</b>	nov19
169740	nmks	del 02dec19	<b>E3..</b>	dec19

<b>F/A-18F</b>				
166842/NJ-132	VFA-122	ex NG-100/VFA-41	<b>F190</b>	nov19

<b>EA-18G</b>				
168263/AC-503	VAQ-130	ex NG-501/VAQ-133	<b>G45</b>	nov19

<b>MH-60R</b>				
166593/TH-34	HSM-37	ex NH-711/HSM-75	<b>70-34..</b>	nov19
167027	309th AMARG	ex HQ-470/HSM-46	<b>70-37..</b>	nov19
167029/HK-017	309th AMARG	ex HK-017/HSM-40	<b>70-37..</b>	nov19
168093/HK-037	HSM-40	ex AG-710/HSM-72	<b>70-4...</b>	feb19
168160/NA-714	HSM-73	ex TS-407/HSM-41	<b>70-4...</b>	nov19
168162/NA-713	HSM-73	ex TS-413/HSM-41	<b>70-4...</b>	nov19

<b>MH-60S</b>				
166316/HW-62	HSC-26	ex AM-17/HSC-22	<b>70-2816</b>	nov19
166348/SA-26	HSC-3	ex VR-62/HSC-21	<b>70-2933</b>	sep19

<b>NP-3D</b>				
153443/302	Tucson	scrapped	<b>5500</b>	feb19

<b>P-3C AIP</b>				
158222/222	309th AMARG	ex 222/VP-40	<b>5567</b>	nov19
161012/012	309th AMARG	ex 012/VP-69	<b>5696</b>	apr19
161406/406	Whidbey Island	scrapped	<b>5743</b>	aug19
161407/407	Whidbey Island	scrapped	<b>5744</b>	aug19
162317/317	Greenville	offered for scrap	<b>5792</b>	dec19

<b>P-3C AIP+</b>				
158564/564	309th AMARG	ex 564/VP-62	<b>5573</b>	oct19

<b>P-3C BMUP</b>				
161127/127	309th AMARG	ex 127/VP-69	<b>5710</b>	feb19

<b>P-3C BMUP+</b>				
161415/415	VP-62	ex 415/VP-46	<b>5755</b>	sep19
161586/586	VP-62	ex FRCE	<b>5757</b>	sep19
161587/587	VP-69	ex 587/VP-40	<b>5759</b>	sep19
161588/588	VP-69	ex RC-588/VP-46	<b>5760</b>	sep19
161589/589	VP-30	ex 589/VP-4	<b>5761</b>	sep19
161596/596	309th AMARG	ex 596/VP-40	<b>5771</b>	oct19

<b>P-3SPA</b>				
159504	309th AMARG	ex VPU-2	<b>5621</b>	sep19

<b>P-8A</b>				
169347/YB-347	VP-30	ex 347/VP-30	<b>63197/6941</b>	oct19
169556/556	Boeing	f/n	<b>65748/7834</b>	nov19

<b>CMV-22B</b>				
169435	Bell-Boeing	f/f 19dec19	<b>D03..</b>	dec19

### United States Marine Corps (NY)

FRCE = Fleet Readiness Center East, Cherry Point (NC)  
 FRCSW = Fleet Readiness Center South West, North Island (CA)  
 LMTAS = Lockheed Martin Tactical Aircraft Systems, Fort Worth (TX)

<b>F/A-18A++</b>				
162400/VE-05	309th AMARG	ex VE-05/VMFA-115	<b>227/A180</b>	nov19
162469/MA-06	309th AMARG	ex MA-06/VMFA-112	<b>325/A269</b>	oct19

<b>F/A-18C</b>				
164964/WK-08	VMFA(AW)-224	ex AB-406/VMFA251	<b>1264/C381</b>	oct19
165199/WK-02	VMFA(AW)-224	ex AC-302/VFA-131	<b>1350/C424</b>	oct19
165206/WK-04	VMFA(AW)-224	ex AG-304/VFA-83	<b>1367/C431</b>	oct19

<b>F/A-18D</b>				
164650/DW-650	VMFA-251	ex DW-13	<b>1074/D083</b>	nov19
165532/DW-532	VMFA-251	ex CE-06(AW)-225	<b>1498/D153</b>	nov19

<b>F-35B</b>				
169622	LMTAS	f/n	<b>BF-86</b>	dec19
169623	LMTAS	f/n	<b>BF-87</b>	dec19
169624	LMTAS	f/n	<b>BF-88</b>	dec19
169626	LMTAS	f/f dec19	<b>BF-90</b>	dec19
169627	LMTAS	f/f dec19	<b>BF-91</b>	dec19

<b>AH-1W</b>				
165282	309th AMARG	ex ?	<b>26330</b>	dec19
165364/HF-57	309th AMARG	ex HF-57/HMLA-269	<b>26364</b>	oct19
165366	309th AMARG	ex ?	<b>26366</b>	oct19
165368	309th AMARG	ex ?	<b>26368</b>	oct19

<b>AH-1Z</b>				
168053/SN-43	HMLA-169	ex UV-43/HMLA-267	<b>59020</b>	oct19
168398/HF-50	HMLA-269	ex SN-50/HMLA-169	<b>59026</b>	nov19
168421/WR-40	HMLA-775	ex SE-50/HMLA-469	<b>59024</b>	nov19
168960/SM-41	HMLA-369	ex SE-41/HMLA-469	<b>59217</b>	nov19
168965/UV-48	HMLA-267	ex SN/HMLA-169	<b>59222</b>	oct19
169263/UV-50	HMLA-267	ex SM-50/HMLA-369	<b>592..</b>	oct19
169268/QT-694	HMLA/T-303	f/n	<b>592..</b>	nov19
169496/SM-55	HMLA-369	f/n	<b>592..</b>	nov19
169503/UV-55	HMLA-267	del	<b>592..</b>	oct19
169506	Bell-Boeing	del	<b>592..</b>	oct19
169517	Bell-Boeing	f/n	<b>592..</b>	dec19

<b>UH-1Y</b>				
167804/SN-00	HMLA-169	ex SM-00/HMLA-369	<b>55112</b>	sep19

<b>CH-53E</b>				
163079/YJ-079	HMH-465	ex YF-079/HMH-462	<b>65-573</b>	nov19

<b>MH-53E</b>				
164773/TB-03	HM-15	ex BJ-551/HM-14	<b>65-616</b>	nov19

<b>MV-22B</b>				
165948	nmks	ex CCRAM	<b>D0049</b>	nov19
166390/YW-02	VMM-165	ex YR-19/VMM-161	<b>D0057</b>	nov19
166493	VMM-164	ex PF-12/VMM-364	<b>D0072</b>	nov19
168606/YT-03	VMM-164	ex PF-02/VMM-364	<b>D0261?</b>	oct19
168689/13	HMX-1	f/n	<b>D03xx</b>	dec19
168690	Bell-Boeing	f/n	<b>D03xx</b>	dec19

### United States Coast Guard (CG)

<b>MH-65D</b>				
6558	Borinquen	ex New Orleans	<b>6238</b>	dec19
6568	New Orleans	ex HITRON	<b>6259</b>	nov19

## Oceania

### Australia

#### Royal Australian Air Force (AF)

On 12 December 2019 the Royal Australian Air Force (RAAF) said farewell to the Pilatus PC-9/A after more than thirty years in service. A retirement ceremony was held at RAAF Base Pearce. In October 2019, 4 Squadron, based at RAAF Base Williamtown, already said goodbye to their PC-9/As that were used to train Forward Air Controllers (FAC). The PC-9/A has been replaced by the PC-21. 49 of these were ordered for the RAAF. The final three were delivered in November, see below.

#### CL-604

A37-001	to VH-OFA	ex 34sq	<b>5521</b>	jun19
A37-002	to VH-OFB	ex 34sq	<b>5534</b>	sep19
A37-003	to VH-OFB	ex 34sq	<b>5538</b>	sep19

The RAAF Challengers have been retired, just as their replacement, three Falcon 7Xs were introduced in RAAF service (see below). A37-001 was re-registered to VH-OFA on 24 June 2019 and flown to the USA. A37-002 was withdrawn from service on 3 September, followed by A37-003 on 26 September.

#### F-35A

A35-001	61st FS		<b>AU-01</b>	
A35-002	61st FS		<b>AU-02</b>	
A35-003	3sq FS	ex 61st FS	<b>AU-03</b>	dec19
A35-004	61st FS		<b>AU-04</b>	
A35-005	20CU	ex 61st FS	<b>AU-05</b>	dec19
A35-006	61st FS		<b>AU-06</b>	
A35-007	61st FS	f/n	<b>AU-07</b>	jul19
A35-008	3sq	ex 61st FS	<b>AU-08</b>	dec19
A35-009	3sq	ex 3sq, Luke AFB	<b>AU-09</b>	dec19
A35-010	3sq	ex 3sq, Luke AFB	<b>AU-10</b>	dec19
A35-011	3sq	f/n	<b>AU-11</b>	apr19
A35-012	3sq	f/n	<b>AU-12</b>	apr19
A35-013	20CU	ex 61st FS	<b>AU-13</b>	dec19
A35-014	20CU	ex 61st FS	<b>AU-14</b>	dec19
A35-015	3sq	ex 61st FS	<b>AU-15</b>	sep19
A35-016	3sq	f/n	<b>AU-16</b>	sep19
A35-017	3sq	f/n	<b>AU-17</b>	dec19
A35-018	3sq	f/n	<b>AU-18</b>	dec19
A35-019	Lockheed	f/n, 3sq mks	<b>AU-19</b>	dec19

On 11 December 2019 no less than seven F-35s were delivered to RAAF Base Williamtown. Some had been flying at Luke AFB (AZ) while the others came directly from Lockheed.

So far, eighteen Joint Strike Fighters have been delivered to the RAAF. Thirteen are now in Australia with no. 20CU and 3 Squadron, five are at Luke AFB with the 61st FS. Also on 11 December, A35-019 was noted at Lockheed Fort Worth during a test flight.

#### Falcon 7X

A56-001	34sq	ex F-WWHE	<b>283</b>	mar19
A56-002	34sq	ex F-WWHF	<b>284</b>	aug19
A56-003	34sq	ex F-WWHK	<b>286</b>	aug19

As mentioned above, these Falcon 7Xs are the replacements for the CL-604 Challengers.

#### P-8A

A47-001	11sq		<b>62288/5823</b>	
A47-002	11sq		<b>62289/5993</b>	
A47-003	11sq		<b>62290/6076</b>	
A47-004	11sq		<b>62293/6216</b>	
A47-005	11sq		<b>63179/6328</b>	
A47-006	11sq		<b>63182/6468</b>	
A47-007	11sq		<b>63187/6623</b>	
A47-008	11sq		<b>63191/6750</b>	
A47-009	11sq	ex N391DS	<b>64165/7324</b>	aug19
A47-010	11sq	ex N397DS	<b>64166/7392</b>	aug19
A47-011	11sq	ex N398DS	<b>64167/7427</b>	oct19
A47-012	11sq	ex N468DS	<b>64168/7458</b>	dec19

In August, October and December 2019 the last four P-8A Poseidons for the RAAF were delivered to 11 Squadron at RAAF Base Edinburgh. For completeness sake the other eight Poseidons that were already delivered are included in the overview above. Australia has committed to acquiring fifteen Poseidons, but funding was provided for twelve aircraft only. Time will tell if funding will be made available for the remaining three.

#### PC-21

A54-047	4sq	f/n, grey c/s		nov19
A54-048	4sq	f/n, grey c/s		nov19
A54-049	4sq	f/n, grey c/s		nov19

The final three PC-21s arrived in Australia on 23 november 2019. They are in the grey livery also sported by their predecessor in 4 Squadron, the PC-9/A.

#### Credits:

Clive Bartram, Danny Bonny, Ian Carroll, Patrick Dirksen, Edwin de Greeuw, Joris Heeren, Charlie Hugo, Richard Johnston, Stephan Jongen, Andy Marden, Daniele Mattiuzzo, Jeff Rankin, Peter Weinert



The UH-60L is being replaced by UH-60M, they still can be found in substantial numbers though. (98-26823, San Bernardino Intl, 3 December 2019, Robert Eikelenboom)



The Dubai Air show was opened with a mass flypast on 17 November 2019. The second wave was a formation of Emirates A380-861 A6-EEZ and local display team Al Fursan. (Dubai World Central - Al Maktoum, Eric Vangeel)

## Corrections / updates

### Halim (Indonesia) 5 October 2019

A-1305	C-130B	SkU32	addition
TS-1642	F-16C	SkU3	addition

### JGSDf Camp Akeno (Japan) 3 November 2019

#### Static:

32601/"TRY"	OH-1	Hiko Jikkentai
43115/S/15	UH-60JA	Akeno Koku Gakko

#### Hangar demo:

73447/IVATH?	AH-1S	4 Taisensha Herikopotatai?
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#### Elsewhere/Flying:

16-5656	T-4	31 Kyoiku Hikotai
73456/SD	AH-1S	Kyoiku Shien Hikotai
73466/VATH, 73472/VATH	AH-1S	5 Taisensha Herikopotatai
73485/SD	AH-1S	Kyoiku Shien Hikotai
73491/VATH	AH-1S	5 Taisensha Herikopotatai
41847/X	UH-1J	10 Hikotai
41865/SU/865	UH-1J	Utsunomiya Kou
41892/III/892	UH-1J	Utsunomiya Kou
41893/EH	UH-1J	10 Hikotai badge
41896/X	UH-1J	10 Hikotai
31289/X	OH-6D	10 Hikotai
43109/S/09, 43123/n	UH-60JA	Akeno Koku Gakko
43136/XIII	UH-60JA	12 Herikopotatai
62351/S, 62352/S, 62356/S	TH-480	Akeno Koku Gakko
62358/S, 62360/S,	TH-480	Akeno Koku Gakko

## New shows

### Sheppard AFB (TX, USA)

Guardians of Freedom Air Show 26 October 2019

#### Static:

79-0172/FT	GA-10C	instructional
61-0025	GB-52H	instructional, white c/s
04-4133	C-17A	6th AS
66-0216/CA	GMC-130P	instructional
12-5772	AC-130J	73rd SOS
57-1431	GKC-135E	instructional

83-0038	GF-15C	instructional
82-1006/ST	GF-16A	instructional
08-0751/EG, 09-5001/EG	F-35A	58thFS
13-5079/LF	F-35A	308th FS
15-5189/LF	F-35A	308thFS, as "308FS"
93-0645/VN	T-1A	3rd FTS
95-3007/EN	T-6A	459th FTS
03-3689/EN	T-6A	89th FTS
07-3897/EN/97-D	T-6A	97th FTS
66-8380/EN	T-38C	90th FTS, as "80FTW"
70-1578/EN	T-38C	88th FTS, as "88FTS"
66-4343/EN	T-38C	469th FTS, as "469FTS"
12-4213	MQ-9A	nb, in hangar
16-08478	CH-47F	B/2-227th AVN
N501DG	TG-16A	94th FTS, as 94/1AT
N751A	C-47A	(029/Israel), as 42-92277

#### Flightlines:

NG9972	TB-29	44-69972
08-3178	C-130J	40th AS
92-3880/1, 92-3908/2	F-16C	ADS, Thunderbirds
92-3888/3, (92-3896)/5	F-16C	ADS, Thunderbirds
93-0553/6	F-16C	ADS, Thunderbirds
91-0479/5	F-16D	ADS, Thunderbirds
01-4027/TY, 02-4040/TY	F-22A	43rd FS
08-0746/EG, 08-0750/EG	F-35A	58thFS
NL20TF	TP-51D	(FAB521), as 463187
N37VC	T-37C	(458/Peru), as 66-13620
NX5443U	T-28B	140047/TX-026
NX9060F	T-28B	138164/TX-027

#### Instructional Airframes:

80-0180/FT	GA-10C	instructional, as "476FG"
80-0228/FT	GA-10C	instructional
66-0223/CA	GMC-130P	instructional
74-1673, 74-1676	GC-130H	instructional
74-2066, 74-2071	GC-130H	instructional
74-2130, 86-0411	GC-130H	instructional
88-4403	GC-130H	instructional
57-1485, 57-1503	GKC-135E	instructional
78-0535/ST, 80-0046/ST	GF-15C	instructional
81-0024	GF-15C	instructional
80-0563/ST, 82-0919/ST	GF-16A	instructional

All these were parked outside between the hangars.

Fuels Area:

57-0471	GC-130A	instructional
62-1807/ST	GC-130E	instructional
79-0330/ST	GF-16A	instructional
79-0422/ST	GF-16B	instructional

Elsewhere:

58-0200	GB-52G	preserved
56-3520/EN	T-37B	preserved, on pole
61-0895/ST	GT-38A	preserved, main gate
63-8125/EN	T-38A	preserved, on pole

Far side:

61-2361	GC-130E	instructional
56-3607, 56-3645	GKC-135E	instructional
66-4374/EN	T-38A	preserved

The Talon is preserved inside the civil terminal on the far side, while the others were in an area next to it.

80th TFW area, those marked \* flew:T-6A 89th FTS code EN:

00-3572\*, 01-3604, 01-3622, 03-3680, 04-3729, 05-3775, 06-3829, 06-3865\*, 08-3908

T-6A 459th FTS code EN:

04-3759, 07-3882, 08-3933, 08-3935

T-38C 88th FTS code EN:

61-0835, 61-0845, 61-0848, 61-0938, 62-3641, 63-8156, 63-8184, 63-8207, 63-8241, 64-13171, 64-13232, 65-10322, 65-10358, 65-10381, 65-10432, 65-10472, 67-14837, 67-14929, 67-14935, 67-14955, 68-8168

T-38C 90th FTS code EN:

64-13216, 64-13234, 64-13239, 65-10364, 65-101414, 66-4344, 66-8352, 66-8353, 66-8361, 66-8362, 66-8369, 66-8389, 66-8390, 66-8392, 66-8394, 68-8203

T-38C 469th FTS code EN:

60-0553, 61-0860, 64-13224, 64-13266, 64-13295\*, 65-10332, 66-4320\*, 66-4324, 66-4340, 66-4341, 66-4347, 66-4348, 66-4349, 66-4363, 66-4366, 66-4367, 66-4369, 66-4375, 66-4384, 66-4386, 66-4387, 66-8350, 67-14937

Guarnición Aérea Córdoba IPET 251 (Argentina)

Día de las Escuelas Técnicas 15 November 2019

E-092	Beech B45	i/a IPET 251
H-35	RH500C	i/a IPET 251
PG-434	PA-A25-235	i/a IPET 251
V-17	SZD-30	i/a IPET 251

The *Instituto Provincial de Educación Técnica* number 251 is in the so called 'Guarnición Aérea Córdoba', the air base complex that houses the air force academy as well. The Hughes poses a problem as the one here is not the same as the H-35 seen active in 2018 with GA7. There has always been some con-

fusion about the construction number tie-ups of H-35 and H-36 and we suspect that the one above is the 'H-36' that used to be dumped at Morón. The school also has Beech B45 E-042 on strength, but that is on loan to the EAM.

Dubai World Central - Al Maktoum (UAE)

Dubai Air Show

17-21 November 2019

Static:

2853	KC-390	1°GTT/Embraer
146/7-GY	Rafale C	EC01.007
MT55322	T-346A	212° Gr/Leonardo
98-1209	C-2	403 Hikotai
462	G120TP-A	4sq RJAF <b>11104</b>
463	G120TP-A	4sq RJAF <b>11105</b>
95-6385	MFI395	PAC Kamra
"265" white	Mi-38	Russian Helicopters <b>26005</b>
ZM418	Atlas C1	24/70sq
81-0960	A-10C	nb
16-46017	KC-46A	22nd ARW/Boeing
16-5849	C-130J-30	40th AS
76-1604/OK	E-3G	963rd AACSS
91-0310/LN	F-15E	494th FS
88-0532/AV, 89-2035/AV	F-16CG	555th FS
10-4192/FF	F-22A	1st FW as "192nd OG"
168598/(AG-)604	E-2D	VAW-121
168375/AG-500	EA-18G	VAQ-140
168357/AG-406	F/A-18E	VFA-25
168493/AG-200	F/A-18F	VFA-103
164768/TB-04	MH-53E	HM-15
062	AH-64D	Group 10
360	AW139	NSRC
435/1	MB339NAT	Al Emarat Fursan
701	Mirage 2000-9	UAEAF&AD
822	C295W	UAEAF&AD
981	B-250	UAEAF&AD
2270	DHC-8-400	Group 22
2517	CH-47F	Group 25
2870	Bell 407GX	Group 28
2635	UH-60L	Group 26 <b>70-3270</b>
2645	UH-60M ABH	Group 26
3021	F-16F	1/2sq
DU-222	AW139	Dubai Air Wing
5Y-JXI	DHC-8-402	Jambojet <b>4606</b>
A6-BND	B787-9	Etiad Airways
A6-CTA	SR22	Emirates Flt Tr Acad. <b>4463</b>
A6-DWE	EMB500	Emirates Flt Tr Academy
A6-EQQ	B777-300ER	Emirates
A6-EVH	A380-842	Emirates
A6-FHG	AW169	Falcon Air Services
A6-HIM	Bell 429	Horizon Helicopters



During the Guardians of Freedom Air Show at Sheppard AFB (TX) it was possible to see a number of instructional airframes, from the resident 82nd Training Wing, such as this GF-15C, 80-0046/ST. (26 October 2019, Otger van der Kooij)



A rare sight outside Japan, C-2 98-1209 was one of the exhibits at the Dubai Air Show. (Dubai World Central - Al Maktoum, 18 November 2019, Jan Gerrits)

A6-MPL	EMB500	Etihad Aviation Training	08-4157/FF	F-22A	1st FW
A6-SED	Ce208B	Sea Wings	15-5162/HL	F-35A	388th FW
C-GVKI	DHC-6-400	Pacific Sky Aviation	15-5188/HL	F-35A	388th FW as '388th OG"
D-ALEX	A319-115(X)	K-5 Aviation			Additionally, several aircraft got pulled off the static show on various days for display flying. The Yak-130 also wore code "130" white.
DQ-FAI	A350-941	Fiji Airways			
EI-GHZ	Ce208B	FlyinIreland	<b>5405</b>		
F-HDMO	Falcon 8X	Dassault			
F-WWTN	A330-941	Airbus			
HZ-AR25	B787-10	Boeing/Saudia			
HZ-HC3	AW139	The Helicopter Co.	<b>31353</b>		
N1015B	B787-9	Boeing			
N143HJ	HA-420	HondaJet			
N208UD	Ce208B	Cessna			
N316FJ	Falcon 900LX	Dassault			
N355EE	EMB505	Embraer			
N458EE	EMB545	Embraer			
N5062	Cirrus SF50	Cirrus			
N507GD	G500	Gulfstream			
N545AT	Bell 505	Bell Helicopters	<b>65189</b>		
N600GU	G650	Gulfstream			
N626LA	Ce680A	Cessna			
N650GF	G650ER	Gulfstream			
OE-DWS	DA40	Diamond Aircraft			
OE-FMF	DA62MSA	Diamond Aircraft			
PR-ZIQ	ERJ195E2STD	Embraer			
PT-ZTU	EMB314	Embraer			
RA-20035	Ansats	Russian Helicopters			
SE-RMU	Global 6000	General HQ UAE Forces			
SU-GEY	A220-300	Egyptair			
T7-SKA	Global XRS	Private Jet Charter			
UR-CIG	Il-76TD	Zet Avia			
UR-VBI	Mi-2MSB-1	Motor Sich Airlines			
VP-BMS	A340-541	Las Vegas Sands			
XAV-SA-007	Falco Xplorer	Leonardo	<b>0001</b>		
The French Rafale was marked "75 Ans Operation 'Dragon'" on its tail. The Jordanian Air Force Grobs are ex D-EGAR and ex D-EGAQ respectively. The USAF A-10 without unit markings could belong to the 354th FS. The UAE Apache was also showing 06-6466 and F-16 3021 was also showing 00-6076. Praetor 500 N458EE was reported to have become PR-LAQ in September already, but perhaps that was temporary.					
<u>Flight lines/flying:</u>					
UR-VBI	Mi-2MSB-1	Motor Sich			
G-ZEXL, G-ZXCL	EA-300L	The Blades			
G-ZXEL, G-ZXLL	EA-300L	The Blades			
130/7-GI	Rafale C	EC01.007			
"01" red	Yak-130	Yakovlev OKB			
8806, 8807, 8808	Hawk 65A	Saudi Hawks			
8816, 8817, 8819	Hawk 65A	Saudi Hawks			
8821, 8818	Hawk 65A	Saudi Hawks			
741, 747	Mir.2000-9AED	UAEAF&AD			
3037, 3043	F-16E	1/2sq			
00-3003/LN	F-15E	494th FS			
<u>Visitors &amp; Movements:</u>					
17.4K-SW008	B747-4R7F	SilkWay West Airlines			
A6-EFN	B777-F1H	Emirates Cargo			
B-LIA	B747-467ERF	Cathay Pacific Cargo			
N613UP	B747-8F	UPS			
RA-64014	Tu-204-100	RusJet			
UR-AZD	B767-33AER	Azur Air Ukraine			
VP-BYC	B757-231	Azur Air			
VP-BZU	B737-9GPER	Pegas Fly			
VQ-BYO	B737-9GPER	Azur Air			
VQ-BYZ	B737-9GPER	Azur Air			
VQ-BRF	B737-808	Royal Flight			
VQ-BVC	B747-83QF	SilkWay West Airlines			
<u>Alpha Jet E of EPAA20.300/Patrouille de France:</u>					
E20/8/F-TEMS, E45/6/F-TETF, E68/1/F-TEMO, E85/5/F-UGFF, E87/3/F-TELC, E98/7/F-TEMF, E127/2/F-UGFK, E152/4/F-UHRT					
<u>Mass flypast to open the show 17 November:</u>					
<b>1st wave:</b>					
065, 072, 073	AH-64D	Group 10			
2504, 2508, 2510	CH-47F	Group 25			
2632	UH-60L	Group 26			
2642, 2657	UH-60M	Group 26			
<b>2nd wave:</b>					
A6-EEZ	A380-861	Emirates			
1, 2, 3, 4, 5, 6, 7	MB339NAT	Al Emarat Fursan			
<b>3rd wave:</b>					
1225	C-17A	20sq			
3039, 3066, 3068, 3076	F-16E	1/2sq			
<b>4th wave:</b>					
1300	A330-243MMRT	MRTT sq			
721, 729, 734, 761	Mir.2000-9EAD	UAEAF&AD			
<u>Flying only 17th:</u>					
ZK307/307, ZK329/329	Typhoon FGR4	nb			
ZK358/358, ZK435/435	Typhoon FGR4	nb			
91-0309/LN	F-15E	494th FS			
09-4189/FF	F-22A	1st FW			
<u>Flying only 18th:</u>					
91-0309/LN	F-15E	494th FS			
09-4189/FF	F-22A	1st FW			
<u>Flying only 19th:</u>					
91-0327/LN	F-15E	494th FS			
09-4189/FF	F-22A	1st FW			
15-5162/HL, 15-5170/HL	F-35A	388th FW			

2009, 2013	AW139	VIP fit	
2015, 2017	AW139	VIP fit	
26..	UH-60	Group 26	
DU-142	AW139	Dubai Air Wing	+ 1
P-201	AW139	Abu Dhabi Police Air Wing	
18. A9C-AWL	BAE146-RJ100	Bahrain Amiri Royal Flight	
KAF343	C-17A	41sq	
2008	AW139	VIP fit	
19. KAF328	KC-130J	41sq	
2013	AW139	VIP fit	

Elsewhere:

DU-201	A109K2	Dubai Police
2-SGSG	B737-7H6	GainJet Aviation
2-TSSA	B767-283ER	Westar Aviation Services
5N-KAS	ERJ135BJ	SkyJet Aviation Services
9H-OJJ	CL-650	Elit'Avia Malta
9H-TOO	Falcon 7X	Skyfirst
9H-VFC	CL-605	VistaJet
A6-MBS	Falcon 7X	DC Aviation
A6-RDJ	CL-604	DC Aviation
CS-GLF, CS-LAM	Global 5000	NetJets Europe
D-AHOI, D-ALOA	ERJ135BJ	Air Hamburg
D-ARMY, D-ASAP	ERJ135BJ	Air Hamburg
D-AROM	ERJ135BJ	DC Aviation
EJ-SAID	Global 5000	Gainjet Ireland
I-CRFX	ERJ135BJ	Sirio
LY-KLJ	B737-524	KlasJet
M-BHBH	G650	
M-CITI	Global 6000	
M-SOBR	Gulf G450	
N388JL	Falcon 50EX	Sunbird Electrical
N444HE	B737-39A	Baroni Jim
OE-LRR	Falcon 7X	Avcon Jet
OK-VEA	G650	ABS Jets
P4-AAG	CL-605	Mandas Int'l Group
RA-67242	Global XRS	
SU-MAN	BAe125-850XP	Alkan Air
T7-GTS	G650	Empire Aviation
T7-RAK	CL-604	DC Aviation Al-Futtaim
T7-SSB	Global 6000	Empire Aviation
T7-VAS	CL-605	ExecuJet Middle East
T7-VVV	ERJ135BJ	Megastar Investments
T7-WMB	Global 6000	L.A. Aviation
TC-RSD	Lj45XR	Redstar Aviation
UP-EM009	EMB505	Fly Jet Kazakhstan

These were mainly noted on 17 November. The identity of G450 M-SOBR needs confirmation, as a Gulf of the same type was reregistered from this to M-SOBM in 2017, and the current Manx register does not show a replacement.

Stored:

A6-MAX, A6-FMF	B737-8	FlyDubai
A6-FNC	B737-9	FlyDubai

Cirrus SR22 on Emirates Flight Academy ramp:

A6-CTC, A6-CTE, A6-CTH, A6-CTI, A6-CTL, A6-CTN, A6-CTP, A6-CTR

Credits: Keith Doughty, Fred Hovestad, Scramble Message Board

**JGSDF Yao (Japan)**

Airshow

24 November 2019

Static:

8418	SH-60K	23 Kokutai
73491/VATH	AH-1S	5 Taisensha Herikoputatai
32623/MH	OH-1	Chubu Homen Herikoputatai
41702/MH	UH-1H	instructional
41867/nn	UH-1J	3 Hikotai?

Flightline/flying/elsewhere:

73472/VATH	AH-1S	5 Taisensha Herikoputatai
41811/MH, 41823/MH	UH-1J	Chubu Homen Herikoputatai
41840/MH	UH-1J	Chubu Homen Herikoputatai
41846/nn	UH-1J	3 Hikotai?
41882/MH, 41883/MH	UH-1J	Chubu Homen Herikoputatai
41894/III, 41911/III	UH-1J	3 Hikotai
41917/MH	UH-1J	Chubu Homen Herikoputatai
52932/MH	CH-47J	Chubu Homen Herikoputatai

Report compiled from photographs on the net.

**Campo de Mayo (Argentina)**

Día de la Aviación de Ejército

29 November 2019

AE-310	AB206B1	CCPEL
AE-526	AS332B	B Helic Asal 601
AE-365, AE-367	Bell 206B3	CCPEL
AE-368	Bell 206B3	CCPEL
AE-364, AE-366	C212-200	B Av Apy Comb 601
AE-225, AE-226	Ce208B	
AE-227, AE-228	Ce208B	
AE-186	Ce550 Bravo	
AE-106	DHC-6-200	B Av Apy Comb 601
AE-415	UH-1H	pres as "AE-400"
AE-472, AE-473	UH-1H-II	B Helic Asal 601
AE-475	UH-1H-II	B Helic Asal 601
AE-479	UH-1H-II	B Helic Asal 601
AE-495	UH-1H-II	B Helic Asal 601 "AE-441"

There were at least eleven Hueys present on this yearly celebration. As far as we know, it is for invitees only.

**Hyakuri (Japan)**

Airshow

1 December 2019



AH-1S 73491/VATH attended the small airshow at JGSDF Yao. The Cobra belongs to 5 Taisensha Herikoputatai at JGSDF Akeno. (24 November 2019, Mike Jefferies)



Reinier Schreurs went to the airshow at Naha, Okinawa, on 7 December 2019 where he saw UH-60J 18-4575. It belongs to the Koku Kyunandan, or Rescue Wing, which has detachments on most JASDF-bases.

<u>Static:</u>			<u>Naha (Japan)</u>		
68-1204	C-2	403 Hikotai	Air Festival 7-8 December 2019		
13-8513	F-2A	3 Hikotai	<u>Static:</u>		
37-8315 (also flying)	F-4EJ Kai	301 Hikotai (final year c/s)	68-1203	C-2	403 Hikotai
77-8399, 07-8428	F-4EJ Kai	ex 302 Hik. (final year c/s)	07-3604	KC-767J	404 Hikotai
47-6905	RF-4E Kai	501 Hikotai	03-8504	F-2A	8 Hikotai
07-6433	RF-4EJ Kai	501 Hikotai	97-8422	F-4EJ Kai	301 Hikotai
17-4500	CH-47J	Koku Kyunandan	57-6909	RF-4EJ Kai	501 Hikotai
36-5909	T-7	11 Hiko Kyoikudan	02-8915	F-15J	204 Hikotai
85-3253	U-4	no badge	02-8920	F-15J	304 Hikotai
5513	P-1	3 Kokutai	52-8955	F-15J	204 Hikotai
<u>Hangar display:</u>			37-4489	CH-47J	Koku Kyunandan
87-8404	F-4EJ Kai	301 Hikotai	98-4588	UH-60J	Koku Kyunandan
77-6392	RF-4EJ Kai	501 Hikotai	36-5695	T-4	304 Hikotai
<u>Flightlines near static/flying</u>			5052	P-3C	5 Kokutai
67-8378, 07-8434, 07-8435	F-4EJ Kai	301 Hikotai	JA8570/LAJ570	Falcon 900MSA	11th Region
47-6901, 47-6903	RF-4E Kai	501 Hikotai	<u>Hangars:</u>		
57-6907, 57-6909	RF-4E Kai	501 Hikotai	32-8086	F-15DJ	304 Hikotai
67-6380, 77-6397	RF-4EJ Kai	501 Hikotai	22-8932	F-15J	304 Hikotai
12-8803, 32-8827	F-15J	302 Hikotai	82-8965	F-15J	204 Hikotai
48-4579, 08-4590	UH-60J	Koku Kyunandan	06-5630	T-4	204 Hikotai
12-3016	U-125A	Koku Kyunandan	<u>Navy ramp:</u>		
67-8378 and 07-8434 were later parked on the south flightline.			34-3452, 34-3453, 44-3462	E-2C	Hiko Keikai Kanshigun
<u>T-4s of Blue Impulse:</u>			5036, 5044, 5053	P-3C	5 Kokutai
36-5697/1, 26-5686/2, 66-5745/3, 06-5787/4, 26-5690/5, 16-5666/6			5070, 5071, 5087	P-3C	5 Kokutai
26-5692/-			<u>Flightlines/flying/elsewhere:</u>		
<u>South flightline/flying:</u>			52921/MH	CH-47J	Chubu Homen Herikopotatai
57-8356, 57-8369, 97-8422	F-4EJ Kai	301 Hikotai	52975/MH	CH-47JA	Seibu Homen Herikopotatai
07-8436, 17-8439, 17-8440	F-4EJ Kai	301 Hikotai	43111/XVH?	UH-60JA	15 Herikopotatai
<u>Hangars (closed):</u>			23052/XVH, 23053/XVH	LR-2	15 Herikopotatai
77-8395, 97-8416	F-4EJ Kai	301 Hikotai	02-8802	F-15J	304 Hikotai
66-5748	T-4	501 Hikotai	22-8806, 22-8809, 22-8811	F-15J	204 Hikotai
<u>Preserved near gate:</u>			32-8818, 42-8833	F-15J	204 Hikotai
60-8274	F-1		42-8836, 42-8843	F-15J	304 Hikotai
17-8302	F-4EJ Kai		22-8929	F-15J	204 Hikotai
57-6906	RF-4EJ Kai		22-8931	F-15J	304 Hikotai
04-8197	F-86D		22-8933, 42-8944	F-15J	204 Hikotai
92-7885	F-86F		42-8946, 42-8948	F-15J	304 Hikotai
46-8630	F-104J		42-8950	F-15J	204 Hikotai
29-5175	T-2K		52-8956, 52-8957	F-15J	304 Hikotai
51-5629	T-33A		62-8959	F-15J	204 Hikotai
<u>Preserved civil terminal:</u>			18-4575, 88-4586	UH-60J	Koku Kyunandan
37-8319	F-4EJ Kai		62-3004, 82-3008	U-125A	Koku Kyunandan
87-6412	RF-4EJ		JA572A/MAJ572	Falcon 2000MSA	11th Region

The two days of the Naha Air Festa could not be more different.

Saturday saw heavy rain showers with strong winds and Sunday saw sunny skies. Because of the bad weather most of the flying displays for the Saturday were cancelled, with only two F-15s flying. Sunday saw a lot more action, with F-15s 931 & 950 flying in formation with E-2C 34-3452 and later with P-3C 5071. The other F-15s flew local missions. This open house marked probably the last visit of an RF-4E to Naha.

Credit: Reinier Schreurs

## Kisarazu (Japan)

Airshow 8 December 2019

### Static:

36-5909	T-7	11 Hiko Kyoikudan
9305	LC-90	61 Kokutai
8461	SH-60K	21 Kokutai
73482/IVATH	AH-1S	1 Taisensha Herikopotatai
32628/IVATH	OH-1	4 Taisensha Herikopotatai
52924/HGPVI	CH-47JA	106 Hikotai
43129/IHB	UH-60JA	102 Hikotai

### Hangars:

NDA-9 (s/n in Kanji)	ASK-21	National Defense Academy
31126/I	OH-6D	instructional
52902/nn	CH-47JA	10x Hikotai
52906/HGPV	CH-47J	105 Hikotai
52910/HGPV, 52917/HGPV	CH-47JA	105 Hikotai
52962/HGPVI	CH-47JA	106 Hikotai
52967/HGPIII	CH-47JA	103 Hikotai
52978/HGPV	CH-47JA	105 Hikotai
52981/HGPIII	CH-47JA	103 Hikotai
52982/HGPV	CH-47JA	105 Hikotai
52986/HGPVI	CH-47JA	106 Hikotai

### Flightline/flying:

01023/STH, 01024/STH	EC225LP	Tokubetsu Yuso Hikotai
73444/IVATH, 73461/IVATH	AH-1S	4 Taisensha Herikopotatai
73480/IVATH	AH-1S	4 Taisensha Herikopotatai
41810/NH	UH-1J	Hokubu Homen Herikopotatai
41865/865/SU	UH-1J	Utsunomiya Kou
31298/IHB	OH-6D	102 Hikotai
52925/XIII	CH-47J	12 Herikopotatai
52955/HGPV	CH-47JA	104 Hikotai
52956/HGPV	CH-47JA	103 Hikotai
52964/HGPVI	CH-47JA	106 Hikotai
52968/HGPVI	CH-47JA	106 Hikotai
52969/HGPV	CH-47JA	105 Hikotai
52976/HGPV	CH-47JA	103 Hikotai
52977/HGPV	CH-47JA	104 Hikotai
52984/HGPV	CH-47JA	104 Hikotai
52985/HGPV	CH-47JA	103 Hikotai

43128/nn, 43130/nn	UH-60JA	102 Hikotai
23051/LR, 23055/LR	LR-2	Renraku Teisatsu Hikotai

### Kisarazu Army Camp Museum:

51736/IIH	KV107 II-4A	inside
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### Preserved:

22020/LR	LR-1	outside for show
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Report compiled from photographs on the net.

## Tsuiki (Japan)

Airshow 8 December 2019

### Static:

73477/IIIATH	AH-1S	3 Taisensha Herikopotatai
5077	P-3C	1 Kokutai
9906	US-2	71 Kokutai
68-1204	C-2	403 Hikotai
85-1086	C-130H	401 Hikotai
37-8315	F-4EJ Kai	301 Hikotai (final year c/s)
57-6907	RF-4E Kai	501 Hikotai
52-8861	F-15J	305 Hikotai
67-4496	CH-47J	Koku Kyunandan
98-4609	UH-60J II	Koku Kyunandan
66-5937	T-7	12 Hiko Kyoikudan
51-5057	T-400	41 Kyoiku Hikotai
85-3253	U-4	no badge

### Flightline/flying:

13-8520	F-2A	8 Hikotai
33-8523	F-2A	6 Hikotai (60th ann. c/s)
53-8532, 63-8536	F-2A	6 Hikotai
63-8540, 93-8549	F-2A	8 Hikotai (spec. mks)
93-8551	F-2A	6 Hikotai
03-8555, 13-8558	F-2A	8 Hikotai

### T-4s of Blue Impulse:

36-5697/1, 26-5686/2, 66-5745/3, 06-5787/4, 26-5690/5, 16-5666/6  
46-5731/-

### Preserved:

70-8277	F-1
84-8115	F-86D
36-8546	F-104J
51-5627	T-33A

Report compiled from photographs on the net.

## Phnom Penh (Cambodia)

Air & Tech Show 13-15 December 2019

### Static:

26	L-39C	<b>132038</b>
7102	MiG-21bis	<b>75096289</b>
MH-822	Mi-8PS	
MH-906	Z-9	<b>Z9-0668</b>



The Air & Tech Show at Phnom Penh offered a great opportunity to see Royal Cambodian Air Force aircraft. Seen here is Y-12 II RCAF-602. (14 December 2019, Jean Marc Braun)



The construction numbers of the Cambodian MiG-21s have long been unknown. At the Air & Tech show at Phnom Penh however, all construction numbers were checked! A welcome addition to our database. Like all the other MiG-21s, MiG-21bis 7102 has been in storage at Phnom Penh since 1992. (14 December 2019, Tom Milliken)

MH-910	Z-9		<b>Z9-0670</b>	7107	MiG-21bis	<b>75096253</b>
MT-302	MA60		<b>087III15</b>	7109	MiG-21bis	<b>75096261</b>
RCAF-027	Mi-8T			7110	MiG-21bis	<b>75096424</b>
RCAF-602	Y-12 II		<b>084</b>	7111	MiG-21bis	<b>75096328</b>
XU-015	AS355N		<b>5622</b>	7112	MiG-21bis	<b>75096320</b>
J7-2/43/23112	Alpha Jet	RTAF/231sq		7115	MiG-21UM	<b>516999470</b>
J7-7/43/23115	Alpha Jet	RTAF/231sq		7116	MiG-21bis	<b>75097417</b>
(H11-6/59)/20306	EC725	RTAF/203sq		7117	MiG-21bis	<b>75097442</b>
XU-145	H145		<b>20249</b>	7119	MiG-21bis	<b>75097461</b>
HS-MAR	DA42			7120	MiG-21bis	<b>75097468</b>
N135HT	EC135P3			7121	MiG-21bis	<b>75097504</b>
N520SH	AS365N3			MO-401 + 1 unmarked	P92	derelect
N3918Y	G450	Nagaworld Casinos		<u>Stored elsewhere (11.556015°, 104.849412°):</u>		
<u>Hangars:</u>				ML-501	BN-2A-21	
MH-901	H425		<b>Z9-0662</b>	The Islander was not seen, but should be hidden in an all white colourscheme on the north of the airfield.		
MH-902	H425		<b>Z9-0663</b>	<u>Airliners parked/stored:</u>		
MH-903	H425		<b>Z9-0665</b>	XU-001, XU-002	MA60	Cambodia Bayon Airlines
MH-904	H425	wreck	<b>Z9-0666</b>	XU-070, XU-071	Y7-100C	ex Royal Phnom Penh AL wfu
MH-905	H425		<b>Z9-0667</b>	XU-112, XU-113	A320-214	Bassaka Air
MH-907	H425		<b>Z9-0673</b>	XU-311	An-24RV	ex PMT Air
MH-911	H425		<b>Z9-0671</b>	XU-RKH	B737-232	ex Royal Khmer AL wfu
MH-802, MH-803	Mi-17			Credits: Tom Milliken, Jean Marc Braun		
...	Mi-8/17	cabin only		<u>Nyutabaru (Japan)</u>		
RCAF-601	Y-12 II		<b>083</b>	Airshow		15 December 2019
XU-035	AW109S	HeliStar Cambodia	<b>22731</b>	<u>Static:</u>		
XU-045	AW109S	HeliStar Cambodia	<b>22732</b>	68-1203	C-2	403 Hikotai
XU-098	EC135P2	Union Development Group		07-3604	KC-767J	404 Hikotai
The Y-12 RCAF-601 is stored engineless, in a poor condition.				12-8051	F-15DJ	23 Hikotai (spec. mks)
<u>Flying:</u>				67-4495	CH-47J	Koku Kyunandan
RCAF-026	Mi-8T	Helistar Cambodia	<b>8289</b>	01-5060	T-400	41 Kyoiku Hikotai
XU-288	AS350B3			75-3251	U-4	unit? JASDF badge
XU-789	EC130T2			52-1151	YS-11FC	Hiko Tenkentai
<u>Elsewhere (operational):</u>				73459/IIIATH	AH-1S	3 Taisensha Herikopotutai
MT-301	MA60			8432	SH-60K	212 Kyoiku Kokutai
MH-824	Mi-8			5519	P-1	1 Kokutai
<u>Stored on ramp:</u>				9904	US-2	71 Kokutai
25/MT-302	L39C		<b>132135</b>	<u>Hangar display:</u>		
27/132035	L39C			92-8068	F-15DJ	23 Hikotai
28/MT-305	L39C			06-5786	T-4	23 Hikotai
530546	L39C		<b>530546</b>	86-5948	T-7	12 Hiko Kyoikudan
7106	MiG-21bis			<u>Flightline/flying:</u>		
MH-268, MH-269	Mi-26T			90-0822/WW	F-16CM	14th FS
<u>Stored on grass/ramp:</u>				92-3887/WW	F-16CM	13th FS
7101	MiG-21bis		<b>75096284</b>			
7104	MiG-21bis		<b>75096246</b>			
7105	MiG-21bis		<b>75096238</b>			

03-8504	F-2A	8 Hikotai
37-8315	F-4EJ Kai	301 Hikotai (final year c/s)
57-6907	RF-4E Kai	501 Hikotai
32-8059, 52-8061	F-15DJ	23 Hikotai
82-8065	F-15DJ	305 Hikotai
92-8067	F-15DJ	23 Hikotai
22-8815, 32-8824	F-15J	305 Hikotai
42-8835	F-15J	23 Hikotai
52-8851	F-15J	305 Hikotai
62-8867	F-15J	23 Hikotai
58-4582	UH-60J	Koku Kyunandan
82-3007	U-125A	Koku Kyunandan

T-4s of Blue Impulse:

(36-5697)/1, (26-5686)/2, (66-5745)/3, (06-5787)/4, 26-5690/5, 16-5666/6 (46-5731)/-

Report compiled from photographs on the net. Blue Impulse #5 and #6 are only ones with confirmed serials.

Batam/Hang Nadim (Indonesia)

Open Base & Static Show 15 December 2019

A-1314	L100-30	SkU31
HS-3217	NAS332C1	SkU6
TT-0204	Hawk Mk209	SkU12
TT-0209	Hawk Mk209	SkU12
TT-0211	Hawk Mk209	SkU12

This small event was held at the international airport of Batam island, itself part of the Riau island group, East of Sumatra and just Southeast of Singapore. Just a short hop for the Pekanbaru-based Hawks.

Dhaka -Tejgaon (Bangladesh)

Victory Day parade & show 16 December 2019

Note: if there is a date in the last column, it was read/seen during rehearsal.

<u>Group 1 [10:51:55]</u>			
S3-BRT	C295W	Army	paradrop 11:20
<u>Group 2 [10:52:25]</u>			
S3-BMJ	Ce208	Army	rd/gn smoke
<u>Group 3 [10:52:55]</u>			
S3-BRD +2	DA40NG	Army	
<u>Group 4 [10:53:25]</u>			
3x	Ce152	Army	rd/gn smoke
<u>Group 5 [10:53:50]</u>			
S3-BPH, S3-BSJ	Bell 206L-4	Army	
<u>Group 6 [10:54:15]</u>			
S3-BMO, S3-BSI	AS365N3+	Army	
<u>Group 7 [10:54:45]</u>			
S3-BRK, S3-BRP, S3-BRS	Mi-171Sh	Army	

<u>Group 8 [10:55:15]</u>			
S3-CRM, S3-CRP	Bell 407	RAB (Police)	
<u>Group 9 [??]</u>			
S3-VHA, S3-VHB	A109E	Navy	
<u>Group 10 [??]</u>			
314-01/S3-VHQ	Do228-212NG	Navy	
314-02/S3-VHR	Do228-212NG	Navy	
<u>Group 11 [11:25:30]</u>			
S3-BRK	Mi-171Sh	Army	/w soldiers on rope
S3-BRP	Mi-171Sh		/w soldiers on rope
<u>Group 12 [12:06:00]</u>			
36502	MiG-29	8sq	10
1x	MiG-29UB	8sq	
4x	F-7		
During rehearsals MiG-29UB 28264 and 28375 were both used.			
<u>Group 13 [12:06:30]</u>			
14328 +2	K-8		rd/gn smoke
During rehearsals 14325 was seen also.			
<u>Group 14 [12:07:00]</u>			
2x	F-7		
1x	FT-7		
One of the singles was in the old colour scheme, likely F937 seen during rehearsals.			
<u>Group 15 [12:07:50]</u>			
2703, 2713, 2714 +1	PT-6	11sq	ye/rd c/s
5620, 6102, 6105, 6107	PT-6	11sq	dk.gn c/s
2701, 2717, 2720, 2722	PT-6	11sq	ye/rd c/s
Others seen during rehearsals were 2715, 2719 and 2723.			
<u>Group 16 [12:08:20]</u>			
3010, 3014	L-410UVP-E20	103sq	
3015	L-410UVP-E20	103sq	
First two serials assumed.			
<u>Group 17 [12:08:50]</u>			
1701	An-32	3sq	
1702, 3505	An-32	3sq	10
<u>Group 18 [12:09:20]</u>			
1537 +1	C-130B		10
99-5479	C-130J		10
<u>Group 19 [12:09:35]</u>			
616, 812 +1	AW139		
<u>Group 20 [12:09:50]</u>			
BH286, BH484	Bell 206L-4		10
136	AW119Kx		10,14
Bell 206 BH557 was also seen in this period.			
<u>Group 21 [12:10:10]</u>			
BH102, BH134, BH971	Bell 212	9sq	



Leading the Air Force section of the Victory Parade over Dhaka, Bangladesh was a formation of its various fighter aircraft. MiG-29UB 28264, F-7BGI 2711 and FT-7BGI 2701 did a practice run on 12 December 2019. (Dhaka International, Sani Islam)



Manolito Jaarsma visited the airshow at JGSDF Kisarazu on 8 December 2019 where he saw this LR-2, 23051/LR. It belongs to the resident Renraku Teisatsu Hikotai.



01024 is one of the three remaining EC225LPs in service with the JGSDF. The fourth one was lost in the tsunami of 2011. All EC225s belong to the Tokubetsu Yuso Hikotai at JGSDF Kisarazu. (Kisarazu, 8 December 2019, Manolito Jaarsma)

Group 22 [12:10:30]

7668, 7669 Mi-171Sh  
 7682 Mi-171Sh  
 During rehearsals 7681 flew instead of 7669.

Group 23 [12:10:50]

465, 466, 468 Mi-17 white c/s

Group 24 [12:11:20]

BH298 Bell 212 Army flag  
 BH772 Bell 212 9sq Bangladesh flag  
 7670 Mi-171Sh Navy flag  
 508 Mi-171Sh Air Force flag  
 During dress rehearsal Bell 212 BH297 flew instead of BH772.

Group 25 [12:12:55] / Display 1

4x Yak-130 21sq also display  
 Seen during rehearsals were 15101, 15105, 15113.

Display 2 [12:19:25]

14328 K-8 15sq solo, from Group 13

Display 3 [12:25:00]

1x MiG-29UB 8sq solo from 'Group 14'

Aircraft on take-off or during rehearsals, unclear which group:

2711	F-7BGI	nm	rehearsal 10
F937	F-7BG	5sq	old c/s, rehearsal 10
F947	FT-7BG	5sq	
2432	FT-7B	25sq	
2435	FT-7B	35sq	
2701	FT-7BGI	35sq	rehearsal 10

The Army kicked off the proceedings at 10:00 with marching troops. At 10:50 the flying elements of the Army started passing overhead, followed by the Navy. About 25 to 30 minutes later a paradrop was performed and the two army helicopters with soldiers on a rope passed by. After this, the rolling material took to the stage. This was followed somewhat later by the Air Force fly-by which started around 12:05. Transports were followed by helicopters and this phase ended with four flag bearing helicopters. The fast movers were at the end and there were some solo displays over Tejgaon, with the grand finale by the MiG-29.

# Triptease



On Sunday 4 August 2019 a 'meeting aérien' or airshow was held at the coastal town of Jullouville in Normandy, France. It was one day of a four-day celebration in the Granville-Jullouville area to commemorate the 75th anniversary of the Battle of Normandy. One of the participants was this 40-year-old Falcon 50MS No. 5 of the French Aéronavale. (Gerben Hazebroek)

## Civil trips

### France

*Note from the author: all sightings have been made visually, the old-fashioned way via binoculars or via the camera.*

Caen-Carpiquet		26 July 2019	
F-BXPY	Beech C90		wfu
F-GIJB	Beech B200	Seine Aviation	
F-HBCA, F-HBCJ, F-HBCK	Beech 1900D	Chalair	
F-HBLE	ERJ190LR	HOP!	
LX-JFD	PC-12/47E	Jetfly Aviation	

Having enjoyed a great stay in the Bayeux area earlier this year (see Scramble 482) we decided to spent some more time here in summer to visit several other D-Day sites. First stop of the trip was Caen airfield, which resulted in a small number of aircraft logged.

Merville-Franceville Plage		31 July 2019	
43-15073/9X-D	C-47A	440th TCG mks	
F-GCTO	AS350BA	Heli Evenements	

C-47A "The SNAFU Special" is preserved at a historic location. The German battery at Merville was a threat to the east flank of the invasion of D-Day and was taken out of action by an assault led by Lieutenant-Colonel Terence Otway (UK) in the night of 6 June 1944. In an effort to display the Dakota aircraft used by the RAF for this raid, a group of French volunteers discovered a C-47 with a unique history in Bosnia. This very aircraft took part in every major airborne operation in the European theatre of operations. Much more details can be found on <http://www.the-snafu-special.com/>. AS350BA F-GCTO was later seen flying inbound Caen airport. This helicopter is used for aerial tours over the Normandy invasion beaches, flying from a location along the D514 between Grandcamp-Maisy and Vierville-sur-Mer.

Caen-centre ville		2 August 2019	
F-GLOR	EC135T1	Mont Blanc Hélicoptères/SAMU	
F-HLCG	EC135T3	SAF Hélicoptères/SAMU61	

The castle of William the Conqueror is located on top of a high ground in the city centre of Caen. Two HEMS helicopters were seen from this place flying inbound to the nearby hospital.

Caen-Carpiquet 2 August 2019

F-HBCA, F-HBCK, F-HETS	Beech 1900D	Chalair
F-HBLB	ERJ190LR	HOP!
N99SC	G550	Suffolk Construction

On the way back from the city the following was seen at Caen airport.

Jullouville 4 August 2019

<b>Static</b>		
1427/EBK	NH90-TTH	5RHC

### Flying

0073/F-RBAN	A400M	ET01.061
5	Falcon 50MS	24F
E44/F-UHRE/1	Alpha Jet E	Patrouille de France
E146/F-UHRR/2	Alpha Jet E	Patrouille de France
E139/F-UGFC/3	Alpha Jet E	Patrouille de France
E20/F-TEMS/4	Alpha Jet E	Patrouille de France
E127/F-UGFK/5	Alpha Jet E	Patrouille de France
E129/F-TELP/6	Alpha Jet E	Patrouille de France
E46/F-UHRF/7	Alpha Jet E	Patrouille de France
E113/F-TETD/8	Alpha Jet E	Patrouille de France
D-EFAG	PA-18-135	Crazy Piper Team
ES-TLB	L-39C	Patrouille Sparflex
F-AZAT	T-6	as 53-4631/68
F-AYOT	MS733	Crazy Piper Team
F-AZLY	Yak-3UA	as 5
F-AZSB	P-51D	as 44-11622/G4-C
F-BOMM/MM	PA-18-95	Crazy Piper Team
F-GEBM	PA-18-150	Crazy Piper Team
F-GJMX	PA-11-90	Crazy Piper Team
F-WWOW	A380-841	Airbus Industries
LN-LJJ	PA-18-95	Crazy Piper Team
LX-STN	L-39C	Patrouille Sparflex
N45CF	Beech G18S	as 436784
N35959	J-3C-65	
PH-OUQ	Spitfire LF.IX	as MK732/3W-17

### Flypast only

D-EJYD	J-3C-65	as 43-30367/37-K
F-BKNO	J-3C-65	as 4480488/41-C
F-GHBY	J-3C-65	as 43-17737
N61903	J-3C-65	as 263/NE-1

### VIP transport

F-GHMQ	AS350B2	Héliberté Hélicoptères
F-GKLS	AB206B	Héliberté Hélicoptères

The 75th anniversary of the Battle of Normandy was commemorated by Operation Piper Cobra, a four-day celebration with activities in the Granville-Jullouville area. The name refers to the Piper Cub aircraft that were used after D-Day for artillery spotting and liaison flights, as well as to Operation Cobra, the allied outbreak of the beachhead. On Sunday a modest air show was organized over the Jullouville beach during which an above average number of Piper Cubs took part, besides a number of war birds and modern military aircraft. This part of Normandy was not chosen by coincidence: general Dwight D. Eisenhower, in his capacity of Supreme Allied Commander Europe, set up the Supreme Headquarters Allied Expeditionary Force (SHAEF) in Jullouville. The Patrouille de France and A380 F-WWOW performed one fly past in formation, after an amazing solo display of the A400M. F-GHMQ and F-GKLS provided VIP transport in the area.

Limoges-Bellegarde 7 August 2019

F-GAXN	R2160	CAPAM
F-HNAK	Beech C90GTx	ENAC
F-HYPF	PA-46-500TP	O.P.B.
N6106S	RC114B	Plane Fun

Limoges-Bellegarde is a small regional airport located at the west side of town. The airport terminal has a small restaurant from which the south part of the platform can be seen. We stopped at this airfield after having visited the impressive war memorial of Oradour-sur-Glane, a village that was completely destroyed by the German Waffen-SS in June 1944. Later in the day EC135T2 EC-JDG was seen flying in the area operating on a HEMS flight.

Montauban-Centre Commercial Aussonne 9 August 2019

On our way to the south we saw SA341F 1629/MTN, which is preserved on a roundabout near the E. Leclerc hypermarket in Aussonne.

Toulouse-Blagnac 10 August 2019

**Flying**

7T-VKR	B737-800	Air Algérie
CN-ROY	B737-8B6	Royal Air Maroc
D-AIPK	A320-211	Lufthansa
EC-KAI	ATR42-300	Federal Express/Swiftair
EI-FCU	B717-2BL	Volotea Air
F-GIXC	B737-38BQC	ASL Airlines France
F-GRPI	ATR72-212A	CCM
G-EUOF, G-EUPJ	A319-131	British Airways
G-JMCJ	B737-436(F)	West Atlantic
N155AG	Beech B95	
OE-INE	A320-214	easyjet Europe

**Hub traffic**

Airbus Industries	A300B4-608ST
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Air France	A318, A320, A321
easyJet Europe	A319, A320

**Stored (near cargo ramp)**

M-AMRM	ATR72-212A	fly 540
VP-CSM	L-1329	Ashmawi Aviation

**Airbus ramps**

	ATR72-600		<b>1589</b>
	ATR72-600		<b>1590</b>
B-LGF	A350-941	Hainan Airlines	
F-WBXL	A330-743L	Airbus Industries	
F-WLXV	A350-1041	Air Caraïbes	
F-WMIL	A350-1041	Airbus Industries	
F-WTAM	A320-214		
F-WTTE	A330-941N	Airbus Industries	std
F-WTTO	A330-841N	Airbus Industries	
F-WWBA	A320-111	Airbus as "F-WWAI"	std
F-WWCA	A340-642	Airbus Industries	std
F-WWCF	A350-941	Airbus Industries	
F-WWCG	A330-941N	TAP Air Portugal	
F-WWCI	A330-941N	Hi Fly	
F-WWCJ	A330-941N	RwandAir	
F-WWCR	A330-302	Aer Lingus	
F-WWCU	A330-940N	WOW air	
F-WWCX/NX	A330-941N	Azul Linhas Aéreas	
F-WWEB	ATR72-600		
F-WWIK	A320-251N	China Southern Airlines	
F-WWKD	A330-243MRTT		
F-WWKI	A330-343E	Hong Kong Airlines	
F-WWKQ	A330-941N	RwandAir	
F-WWKR/NY	A330-941N	Azul Linhas Aéreas	
F-WWKS	A330-941N	WOW air	
F-WWKU	A330-202	LEVEL	
F-WWOW	A380-841	Airbus Industries	
F-WWSX	A300F4-622R	UPS Aviation Services	
F-WWTE	A330-941N	Airbus Industries	
F-WWYD	A330-941N	TAP Air Portugal	
F-WWYF/NW	A330-941N	Azul Linhas Aéreas	
F-WWYG	A330-941N	Thai Air Asia X	
F-WWYN	A330-941N	Air Senegal	
F-WWYS	A330-941N	Delta Air Lines	
F-WWYZ	A330-941N	TAP Air Portugal	
F-WXAY	A320-271N	Spirit Airlines	
F-WXWB	A350-941	Airbus Industries	
F-WZFG	A350-941	Hainan Airlines	
F-WZFI	A350-941	LATAM Airlines Brasil	
F-WZFM	A350-1041	Virgin Atlantic Airways	
F-WZFR	A350-941	Hong Kong Airlines	
F-WZFS/WBB	A350-941	British Airways	
F-WZFT	A350-941	Hong Kong Airlines	
F-WZFU	A350-941	Hainan Airlines	
F-WZFV	A350-941		
F-WZFX	A350-941	JAL Japan Airlines	



The French Armée de Terre was also represented overhead Jullouville Beach with NH90 1427/EBK. (Jullouville, Gerben Hazebroek)



This 1978 built Beech 200 arrived in France in 1989 from the USA and received its French registration F-GHOC upon arrival. Twenty years and five operators later the King Air now flies for the Marseille based carrier Open Flight. (Toulouse-Blagnac, 19 August 2019, Gerben Hazebroek)

F-WZFY	A350-941	Hong Kong Airlines	F-WWBK	A320-271N	Volaris
F-WZGD	A350-941	Asiana Airlines	F-WWCG	A330-941N	TAP Air Portugal
F-WZGE	A350-941	JAL Japan Airlines	F-WWCO	A330-941N	Thai Lion Air
F-WZGF	A350-941	Air Mauritius	F-WWDI	A320-251N	Gulf Air
F-WZGG	A350-941	Airbus Industries std	F-WWEC	ATR72-212A	ATR
F-WZGS	A350-941	LATAM Airlines Brasil	F-WWEG	ATR72-600	ATR
F-WZGV	A350-941	Singapore Airlines	F-WWEJ	ATR72-600	Silver Air
F-WZHG	A350-941	Air Mauritius	F-WWIO	A320-251N	Yunnan Hongtu Airlines
F-WZHI	A350-941	China Eastern Airlines	F-WWIT	A320-251N	China Eastern Airlines
F-WZNA	A350-941	Singapore Airlines	F-WWKI	A330-343E	Hong Kong Airlines
F-WZNB	A350-941	China Southern Airlines	F-WWYV	A330-941N	Air Calin
F-WZNM	A350-1041	Etiihad Airways	F-WZFK	A350-1041	British Airways
F-WZNE	A350-941	China Southern Airlines	F-WZGM	A350-941	Iberia
F-WZNS	A350-941	Hainan Airlines	F-WZHI	A350-941	China Eastern Airlines
F-WZNT	A350-941	Singapore Airlines	F-WZNE	A350-941	China Southern Airlines
F-WZNZ	A350-941	Hainan Airlines	F-WZNT	A350-941	Singapore Airlines
			F-WWOW	A380-841	Airbus Industries
			F-WZGG	A350-941	Airbus Industries
			F-GSTB/2	A300B4-608ST	Airbus Industries
			F-WBXL	A330-743L	Airbus Industries
			F-WMIL	A350-1041	Airbus Industries

Please note that all aircraft listed here, still technically belong to Airbus or ATR. Those listed with company names sported already the livery of the mentioned airlines. This disclaimer is also valid for the entries of 14 August and 19 August.

#### Airbus Delivery Center

G-VLUX	A350-1041	Virgin Atlantic Airways
HS-XJB	A330-941N	Thai Air Asia X
PK-LEJ	A330-940N	Lion Air

14 August 2019

#### Flying

7T-VKP	B737-800	Air Algérie
EI-FRG	B737-8AS	Ryan International Airlines
F-GGNX	TB20	ENAC
F-GGQX	DR400/140B	Aéroclub de Bergerac
OE-LKQ	A319-111	easyjet Europe
OE-LQE	A319-111	easyjet Europe
PH-BXT	B737-9K2	KLM
PH-EXC	ERJ-190STD	KLM Cityhopper

#### Hub traffic

Air France	A318, A321
HOP!	ERJ190

#### Airbus and ATR ramps (via tour bus)

	ATR72-600	5023?
	ATR72-600	315978S3597
	ATR72-600	31598S63598
	A320-251N	9250
	A320-251N	9255
(F-WWBD)	A320-251N	Iberia
(F-WZFP)	A350-1041	Qatar
(F-WZNR)	A350-1041	British Airways
A6-XWC	A350-1041	Etiihad Airways
B-LGF	A350-941	Hainan Airlines

A busy day awaited us in Toulouse. We started at the Aero-scopia museum, where unfortunately the Airbus wide bodies were not added yet to the collection. After some hours it was time to board the bus for a tour of the Airbus facilities. No electronic recording devices are allowed on the bus, so we had to rely on the good old eyeball mk.1. Generally this did not pose major problems as the bus drives slowly and the ramps are not overly crowded, except for the ATR construction numbers. We concluded the day with a visit to the Ailes Anciennes museum. New arrivals since we last visited the museum in 2018 were Mirage 2000N 336/116-BI and Mirage F-1CT 261/30-QY, the latter sporting the markings of EC 02.030 "Normandie-Niemen".

19 August 2019

#### Flying

7T-VKF, 7T-VKH	B737-8D6	Air Algérie
9H-LOL	A319-112	Hi Fly Malta
CN-RGQ	ERJ190AR	Royal Air Maroc
CN-TMR/211	Beech 350i	21F
CS-TTZ	ERJ195AR	TAP Express
D-ACND	CRJ900LR	Lufthansa Cityline
D-AIZE	A320-214	Lufthansa
EC-KAI	ATR42-300	Swiftair (Fedex c/s)
EC-MUX	A319-111	Volotea
EI-DVH	A320-214	Aer Lingus
EI-EKY	B737-8AS	Ryanair
EI-EZC	A319-112	Volotea Air

EI-IMB	A319-112	Alitalia
F-GHOC	Beech 200	Open Flight
F-GIXC	B737-38BQC	ASL Airlines France
F-GJOD	Ce551	Eagle Express France
F-GMZC, F-GMZD	A321-111	Air France
F-GPLK	Beech C90A	Air Toulouse
F-GRHJ, F-GRHQ, F-GUGL	A318-111	Air France
F-HBNI	A320-214	Air France
F-HCEV	Beech B200GT	DGAC
F-HFGP	Beech 350	APG Airlines
F-HLCF	EC135T3	SAF Hélicoptères/SAMU 31
F-HOPZ	ATR72-212A	HOP/
G-EUYK	A320-232	British Airways
G-FBJD	ERJ175STD	FlyBe
G-SAJF	ERJ145EP	Loganair
I-ADJU	ERJ195LR	Air Dolomiti
LX-LAA	Lj45	Luxemb. Air Ambulance
N198RL	G550	TVPX Aircraft Solutions
N312ZW	G650ER	Zhao Wei
OE-LKF, OE-LQG	A319-111	easyJet Europe
OO-SSF, OO-SSS	A319-111	Brussels Airlines
PH-BXM	B737-8K2	KLM
PH-EXB	ERJ190STD	KLM Cityhopper
TC-JZF	B737-8F2	Turkish Airlines
TS-INB	A320-214	Nouvelair Tunisie

#### Airbus and ATR ramps

F-GSTA/1	A300B4-608ST	Airbus Industries
F-GSTD/4	A300B4-608ST	Airbus Industries
F-GSTF/5	A300B4-608ST	Airbus Industries
F-WNEO	A320-271N	Airbus Industries
F-WWOW	A380-841	Airbus Industries
F-WWBK/XA-VRK	A320-271N	Volaris
F-WWDH	A320-251N	Ural Airlines
F-WWDP/VT-IJP	A320-271N	IndiGo
F-WWEQ	ATR72-212A	IndiGo
F-WWID	A320-271N	Vueling Airlines
F-WWIO/B-30AM	A320-251N	Yunnan Hongtu Airlines
F-WZFF	A350-941	Qatar Airways
F-WZFN	A350-941	Air France
F-WZGY	A350-1041	Qatar Airways
F-WZNU	A350-1041	Virgin Atlantic Airways
F-WZNY	A350-1041	Virgin Atlantic Airways

We headed back to Blagnac for the last time, with the intent to spend a full day at the fence. The morning started well with some Airbus prototypes in the circuit, but things got much

better when a seemingly unexciting Beech 350 was towed outside a hangar near the general aviation area. This turned out to be a Royal Moroccan Navy aircraft, doing an engine test run right in front of us. Throughout the day we made our way around the airfield, to keep the sun in our back. A Tigre helicopter caught us by surprise by buzzing over the airfield when we had a quick lunch, and remained unread unfortunately. Most of the new A320s and A350s were already spotted on the 14th, so only the aircraft that were newly seen or making a test flight on the 19th were noted.

Credit: Gerben Hazebroek

#### Ecuador

Quito			1 August 2019
HC-CTF	B737-5Y0	Aero Regional	
HC-CSB	A319-115	AVIANCA Ecuador	
HC-CPZ	A319-132	LATAM Airlines Ecuador	
HP-1848CMP	B737-8V3	COPA Airlines	
PH-BQF	B777-206ER	KLM	
			2 August 2019
A7-BFL	B777-F	Qatar Airways	
CC-CYI	A319-132	LATAM Airlines Chile	
HC-CPR	A319-132	LATAM Airlines Ecuador	
Cayambe			2 August 2019
FAE-630	T-33A	FAE	
Preserved, on a pole in a park.			
Quito			3 August 2019
HC-CGT	A319-132	TAME	
HC-CMB	ATR42-500	TAME	
HC-CSF	A320-214	AVIANCA Ecuador	
N90FB	BAe125-800XP	Maviarnet	
Azegues			7 August 2019
FAE-377	A-37	FAE	
Preserved, on a pole in a park right next to main busstation (Terminal Terrestre).			
Cuenca-Mariscal Lamar International			9 August 2019
FAE-1030	CN295	FAE	
HC-BXC	FH227	Austro Aero	std
HC-COX	ERJ190AR	TAME	std, dam
HC-CPZ	A319-132	LATAM Airlines Ecuador	
Cuenca-Ciudad			10 August 2019
HC-AZH	CL-44		



Due to ongoing financial problems at the HNA Group it was decided to scale back the long haul services of its subsidiary airlines and thus reduce their recently required fleet of Airbus A350 and Boeing 787 aircraft. One of the "victims" of this fleet rationalization proces is this Airbus A350-900. It was supposed to fly for Hong Kong Airlines as B-LGF, but was not taken up by this airline. It was delivered to "mother" company Hainan Airlines on 20 September 2019 and registered as B-308G. However instead of flying from Toulouse to China on delivery, the aircraft was ferried to Lourdes-Tarbes for storage. It is seen here at the tarmac at Toulouse one month before its delivery to Hainan, still wearing its old "Hong Kong Airlines" registration B-LGF, but its new Hainan regostration B-308G is already visible under the wing. (19 August 2019, Gerben Hazebroek)



Former UTair Yak-40 RA-88254 has found its final resting place on a pole at Berezovo airport. (12 September 2019, Andre Alders)

No markings, in use as nightclub, located at Las Totems Roundabout.

Guayaquil			21 August 2019
AN-204	CN235	Naval	
PN-144, PN-212	R44	Policia	
PN-128	AS350	Policia	
PN-216	PA-31	Policia	
CC-DAE	PC-24		
HC-BJP	PA-44	Aeroclub de Ecuador	
HC-BLT	Ce206		
HC-BNA	PA-34		
HC-BYU	Ce414		
HC-CDP	AT-802	Aerovic	
HC-CLI	Ce421	Aereo Regional	
HC-COW	Beech 55		
HC-CPY	A319-132	LATAM Airlines Ecuador	
N250ST	Beech 200		
N350CY	PA-46		
N368JM	CL-350		
N910CL	CL-300		
PT-MEN	Ce208		
XB-HUT	Ce210		wfu
YV2741	Ce340		

XB-HUT is a confiscated drugsrunner.

**Noted at Robinson dealer (all registrations are R44)**

HC-COS, HC-CPX, HC-CQA, , HC-CQK, HC-CSK, HC-CTO, HC-CTS, HC-CTV, HC-CUN, HC-CUR, HC-CUT

			22 August 2019
(AN-)262	Ce172	Naval	
FAE-051	ERJ135BJ	FAE/Ala 11	
FAE-524	PA-34	FAE	
FAE-1141	Beech 350	FAE	
CC-CYI	A319-132	LATAM Airlines Chile	
HC-BNO	Ce206		
HC-BXH	Ce441		
HC-CGT	A319-132	TAME	
HC-CPB	A320-233	TAME	
HC-CMB	ATR42-500	TAME	
HC-CPJ	A319-132	LATAM Airlines Ecuador	
HC-CPZ	A319-132	LATAM Airlines Ecuador	
HC-CSA	A319-115	AVIANCA Ecuador	
HC-CSF	A320-214	AVIANCA Ecuador	
HC-CJW	A320-214	AVIANCA Ecuador	
HC-CUH	B737-5Y0	Aero Regional	
N170AP	EMB500	American Park USA	
N176TL	BAe125-800A		
N332QT	A330-243F	AVIANCA Cargo	
PH-BQE	B777-206ER	KLM	

PNE-220

CC-CXJ

HC-CII

HC-CJH

HC-CSP

HC-CPR

HC-CGF

HC-CKN

HC-CSB

HP-1537CMP

PH-BQL

PH-BVN

Beech 200

B767-316ER

Ce206

Ce208

R44

A319-132

ERJ190LR

A319-112

A319-115

B737-8V3

B777-206ER

B777-306ER

Policia

LATAM Airlines Chile

LATAM Airlines Ecuador

TAME

AVIANCA Ecuador

AVIANCA Ecuador

COPA Airlines

KLM

KLM

23 August 2019

Walking around the airport perimeter fence, still visible are the stored PA-24 E-160, FAE-091 Meteor, FAE-622 and -623 T33's and FAE49785 DC-3. The Bell 206 FAE-524 has disappeared.

A visit was arranged to Arica, the Robinson dealer in Ecuador. Many Robinson's are used in Ecuador by shrimp-farm owners to check the basins and to bring technicians to remote locations.

The highlight for me was the Navy Cessna 172, which has NAVAL 262 on the fuselage, so without the 'AN'.

Credit: Danny de Kiewit

## Combined trips

### Russia

*Editor's note: via Guus Ottenhof some updates were provided to the Scramble editorial team for this trip. The updates are underlined in this report.*

After a difficult preparation, another extensive trip through Russia was undertaken. The emphasis, of course, was to fly a number of Russian airplanes. However, schedules were regularly changed or even canceled before our adventure started. Because of this we could not fly the very last Russian Tu-154 in regular service between Novosibirsk and Mirny. Anyway, it couldn't spoil the fun including many new destinations and even a new type of aircraft that we had never flown before, the An-28.

Milan-Malpensa

9H-FSJ

9H-HUE

9H-KIA

9V-SMR

B737-86N

B737-430

B767-35HER

A350-941

10 September 2019

Blue Panorama

Blue Panorama

Blue Panorama

Singapore Airlines

A6-BLI	B787-9	Etihad Airways	Moscow-Sheremetyevo	10 September 2019
A6-ECA	B777-36NER	Emirates	B-7973	Air China
B-308C	A350-941	Air China	B-8970	China Eastern Airlines
B-1080	A350-941	Air China	CCCP-86492	Aeroflot pres
B-KPW	B777-367ER	Cathay Pacific	EI-GET, EI-GEU, EI-GFA	B777-31HER
EC-LTG	B737-4K5	AlbaStar	EI-GFB	B777-31HER
EC-LUT	B737-85P	Air Europe	EI-UNL, EI-UNN, EI-UNP	B777-312
EC-MAD	B737-5YOSF	Swiftair	EI-XLM	B747-412
EI-DGU	A300B4-622RF	ASL Airl. Ireland (DHL c/s)	EI-XLP	B777-312
EI-GFY, EI-GGL	B737-8	Air Italy std	HL8081	B787-9
EI-FFW	B737-85F	Air Italy	OK-TVV	B737-86N
EI-FNW	B737-86N	Air Italy	P4-AFK	B737-7FY (BBJ)
EI-GGP	A330-202	Air Italy	PH-HSE	B737-8K2
EI-RND	ERJ190STD	Alitalia Cityliner	RA-64024	Tu-204-100C
ET-ATL	B787-8	Ethiopian Airlines	RA-96005	II-96-300
F-GLNH	Beech 1900D	Twin Jet	VP-BCH	B747-467F
F-GRSQ	A330-243	XL Airways France	VP-BDI	B767-38AER
F-GZTJ	B737-4S3(F)	ASL Airlines France	VP-BEE	A321-211
HB-JVO	ERJ190LR	Helvetic Airways	VP-BGH	A321-232
HS-THN	A350-941	Thai Airways	VP-BGZ	B737-86J
HZ-ASF	A320-214	Saudia	VP-BJF	B777-21BER
I-ADJN	ERJ195LR	Air Dolomiti	VP-BJO	B777-35EER
I-NDMJ	B767-306ER	Neos	VP-BLC, VP-BLG	B767-3Q8ER
I-NEOS	B737-86N	Neos	VP-BIM	B747-4HAERF
LX-TCV	B747-4R7F	Cargolux Italia	VP-BOI	B737-8LJ
N680FE	A300F4-605R	FedEx	VP-BPY	B737-83N
N76060	B767-242ER	United Airlines	VP-BSP	B737-82R
N774AN	B777-223ER	American Airlines	VP-BSZ	B737-8ME
N822NW	A330-302	Delta Airlines	VP-BTL	A321-211
N920FD	B757-23ASF	FedEx	VP-BUA	A330-223
OE-IJV	A320-214	easyJet Europe	VP-BZC, VP-BZD, VP-BZG	ERJ190AR
OK-TVV	B737-86N	Smartwings	VP-BZH, VP-BZJ	ERJ190AR
OO-SSK	A319-112	Brussels Airlines	VQ-BGL	B777-31HER
SP-LMD	ERJ190STD	LOT	VQ-BHE, VQ-BIA	B747-4KZF
SX-LWB	B737-86N	Lumiwings	VQ-BJA	B777-212ER
SX-ORG	A320-232	Orange2Fly	VQ-BLQ	B747-8HVF
T7-MRB	A320-214	MEA	VQ-BRF	B737-808
TC-JRD	A321-231	Turkish Airlines	VQ-BTM	B757-256
YL-AAS	A220-300	airBaltic	VQ-BVU, VQ-BVV	B737-8LJ
			YL-CSB	A220-300

**Hub traffic**

Alitalia A319, A320  
Alitalia CityLiner ERJ175, ERJ190

A6-BLI was seen in a look-a-like Saudia c/s, albeit this is called "From Abu Dhabi to the Wold". The basis of this scheme is also desert sand yellow. Both EI-RND and HZ-ASF were spotted in the SkyTeam livery.

**Hub traffic**

Aeroflot A320, A321, A330, B737, B777, RRJ-95

On 10 September we flew from Schiphol via Milan to Moscow with Alitalia A319 (EI-IMB) and Aeroflot A320 (VP-BMF). During the transfer at Malpensa and the afternoon at



Pictured here is forty-six-year-old An-24 RA-46642 which adorns the new KrasAvia colours. It was seen parked at Cheremshanka which is a small town south of Novosibirsk. (17 September 2019, Andre Alders)



This private Antonov An-2 RA-50567 was seen by the author at Boravayo Aerodrome on 19 September 2019. The aircraft's c/n is 1G90-04.

Sheremetyevo, extensive spotting was possible from both airports. At the latter we used the famous restaurant at Terminal F, which is also very good for pictures in the afternoon.

Ufa-International 11 September 2019

RA-26102	An-26B	UTair Cargo	
RA-42340, RA-42378	Yak-42D	KrasAvia	
RA-42359, RA-42406	Yak-42D	KrasAvia	a/w
RA-64050	Tu-204-100	Red Wings	std
RA-67033	L-410UVP-E20	Orenburzhye	
RA-85574	Tu-154B-2	Continent	std
RA-88228	Yak-40	Barkol	
UK32017	A320-214	Uzbekistan Airways	
VP-BBE, VP-BBM	CRJ200LR	Yamal Airlines	
VP-BBN	A320-232	Yamal Airlines	
VP-BCE	A320-214	Aeroflot	
VP-BHJ	A319-114	S7 Airlines	
VP-BHN	A321-231	Nordwind Airlines	
VP-BHZ	A320-214	Yamal Airlines	
VP-BRS	A321-231	Red Wings	
VP-BVL, VP-BVZ	B737-524	UTair	
VP-BYK, VQ-BJS	B737-524	UTair	
VQ-BLF, VQ-BLH	ATR72-212A	UTair	
VQ-BHM	ATR72-212A	UTair	
VQ-BIS	A320-232	Meridian Air	
VQ-BPW	A320-214	Aeroflot	
RA-67003	L410UVP-E20		std

Tyumen-Roshchino 11 September 2019

RA-42359	Yak-42D	KrasAvia	
RA-89027	RRJ-95B	Aeroflot	
RA-89070, RA-89071	RRJ-95LR	Yamal Airlines	
RA-89081, RA-89091	RRJ-95LR	Yamal Airlines	
VP-BVN, VQ-BJN	B737-524	UTair	
VQ-BIF	B737-45S	UTair	
VQ-BQR	B737-8GU	UTair	

On 11 September we flew via Ufa to Tyumen. The intention was to fly the Aeroflot Superjet to Ufa but this was unfortunately replaced by a boring A320 (VP-BCE). On the other hand, a completely white KrasAvia Yak-42 (RA-42359) to TJM made our day successful. It must be said that the plane was really worn out on the inside and the service on board was no more than just one cup of water or soft drink. Completely understandable because the ticket price was very low, just 40 Euros. This became a recognizable pattern during our trip

with UTair Cargo and KrasAvia. I also have the idea that the Yak-42 won't fly for much longer? The stranded red wings Tu-204 at UFA has been stripped of engines and there is also a completely white derelict UTair B737-534 which unfortunately has no registration (probably VQ-BAC or VQ-BAE). Also from UTair, VQ-BIF was noted in the new livery.

12 September 2019

RA-46267	An-24B	UTair Express	
RA-46497	An-24RV	UTair Cargo	
RA-65012	Tu-134A	Aeroflot c/s	std
RA-74009	An-74	UTair	std
RA-89027	RRJ-95B	Aeroflot	
VP-BBE	CRJ200LR	Yamal Airlines	
VQ-BLC, VQ-BLE	ATR72-212A	UTair	std
VQ-BLG	ATR72-212A	UTair	std
VQ-BLI, VQ-BMB	ATR72-212A	UTair	
VQ-BPA, VQ-BPD	CRJ200LR	Yamal Airlines	
VQ-BSB	CRJ200LR	Yamal Airlines	

Khanty-Mansyisk 12 September 2019

RA-02814	Beech 300	RFS ATM Corporation	
RA-22496	Mi-8AMT	UTair	
RA-46491, RA-46650	An-24RV	UTair Cargo	
RA-67069, RA-67070	L-410UVP-E20		
RF-94590, RF-94593	L-410UVP-E3	DOSA AF	
VQ-BJQ	B737-524	UTair	
VQ-BLF, VQ-BLI	ATR72-212A	UTair	
1x	Mi-26T	UTair	
4x	Mi-8	UTair	

Berezovo Airport 12 September 2019

CCCP-40214	Mi-1T		pres
RA-24177	Mi-8T	UTair	
RA-25873	Mi-8T	UTair	pres
RA-46491	An-24RV	UTair Cargo	
RA-70717	An-2P	UTair	pres
<u>RA-88244</u>	Yak-40	UTair	pres

Surgut International Airport 12 September 2019

RA-04054	AS350B3	UTair	
RA-21046	Mi-6A	UTair	pres
RA-22428	Mi-8AMT	UTair	
RA-22891	Mi-8T	UTair	
RA-24238	Mi-8T	UTair	a/w
RA-24272	Mi-8PS	UTair	
RA-42389, RA-42421	Yak-42D	UTair Cargo	

RA-46491	An-24RV	UTair Cargo
RA-25965	Mi-8P	UTair
VP-BCN	A320-232	Yamal Airlines
VP-BLI	ATR72-212A	UTair
VQ-BDJ	A320-214	Ural Airlines
VQ-BJN	B737-524	UTair
VQ-BLF, VQ-BLH	ATR72-212A	UTair
VQ-BMA	ATR72-212A	UTair
VQ-BQR	B737-8GU	UTair

Thursday morning 11 September early in the morning we first flew from Tyumen to Khanti-Mansiysk with a UTair ATR72 (VQ-BLI). We then flew in the oil rich area of Western Siberia from Khanty-Mansiysk to Berezovo and back to Khanty-Mansiysk and finally Surgut with a UTair Cargo An-24 (RA-46491) with a blue cheatline and once built in 1973. You would expect that UTair Cargo only transports cargo, but nothing is less true because they also simply carry passengers under this name. UTair Cargo is a Russian cargo airline based in Plekhanov, Tyumen and is a subsidiary of UTair. These flights could therefore simply be booked on the UTair website. During our trip today we still had enough time to visit the center of the town of Berezovo. There were also four UTair helicopters / planes on display at the airport. Eventually we arrived at our hotel at Surgut airport close to a UTair Mi-6 that was on display here. At Tyumen Airport the intention is to exhibit the old Tu-134 (RA-65012) in front of the airport.

**Surgut International 13 September 2019**

RA-06037, RA-06070	Mi-26T	UTair	std
RA-06078, RA-06080	Mi-26T	UTair	std
RA-06082	Mi-26T	UTair	std
RA-21002	Mi-6A	UTair	std
RA-46848	An-24RV	UTair Express	std
RA-85504	Tu-154B-2	UTair	a/w
RA-87340	Yak-40	Skol	std
RA-88306	Yak-40K	Skol	std
VQ-BKQ	ATR42-500	NordStar Airlines	
VQ-BSI	A320-214	Aeroflot	
VQ-BYB	ERJ170SU	S7 Airlines	

**Tomsk-Bogashevo 13 September 2019**

CCCP-85685	Tu-154M	Aeroflot	std
RA-28917	An-28	SiLA	
RA-46532 . RA-46692	An-24RV	UTair Cargo	
RA-46627	An-24RV	Tomsk Avia	std
RA-47254, RA-47255	An-24RV	Tomsk Avia	std
RA-87232	Yak-40	Tomsk Avia	std
RA-47321	AN-24RV	UTair Cargo	

RA-88298	Yak-40K	Vost Neft Kompania	std
RA-49278	An-24RV	UTair Cargo	
VQ-BKQ	ATR42-500	NordStar Airlines	

On 13 September we took the afternoon flight to Tomsk-Bogashevo with NordStar ATR42 VQ-BKQ. When we took off we could read five of the eight Mi-26s in the storage area of Surgut.

Again the hotel at the airport was the final destination today. Unfortunately we didn't have time to visit Tomsk city.

**14 September 2019**

VP-BKB	A320-214	Ural Airlines
VP-BOL	A320-214	S7 Airlines
VP-BPF	B737-8MC	Aeroflot
VP-BPX	B737-8AL	Pobeda
VQ-BKN	ATR42-500	NordStar Airlines
VQ-BOR	CRJ200ER	UVT Aero
VQ-BTT	A321-211	Aeroflot

**14 September 2019**

RA-22911	Mi-8T	Tomsk Avia	std
RA-46532	An-24RV	UTair Cargo	

On 14 September we flew again with a UTair Cargo An-24 RA-46532, but now with destination Strezhevoy, a town I had never heard of. According to the russianplanes.net website, our all-white An-24 should not be operational but to our surprise it was airworthy and ready to fly. This vintage An-24 built in 1975 was also completely white and only provided with small UTair titles. The airport of Strezhevoy is large and hopelessly outdated, but with only one flight a day I don't see this changing quickly. In the afternoon and evening we had a great time in this quiet town that mainly exists because of the oil industry.

**Novosibirsk-Tolmachevo 15 September 2019**

D-ALCB, D-ALCN	MD-11F	Lufthansa Cargo	
P4-KEC	B767-3KYER	Air Astana	
RA-46532	An-24RV	UTair Cargo	
RA-64051	Tu-204-100C	Aviastar-TU	
RA-65693	Tu-134B-3	Alrosa	pres
RA-85628	Tu-154M	Sibir-S7	pres
RA-85615	Tu-154M	Moskoviya	std
RA-85684	Tu-154M	Alrosa	pres
RA-86097	Il-86	Sibir-S7	pres
RA-87829	Yak-40	SibNIA	
RF-56301, RF-56309	An-26	Rosgvardiya	
RF-76325	Il-76TD	FSB	
VP-BRH	B737-8LJ	Aeroflot	



After the demise of Tomsk Avia in 2015 the airlines assets were sold to other operators. Unfortunately, not all aircraft found new homes and An-24 RA-47255 was one of the unlucky ones not to find a new home. The aircraft was seen stored at Tomsk Avia's former home base Tomsk-Bogashevo. (18 September 2019, Andre Alders)

VQ-BKK B757-223SF Aviastar-TU  
The journey continued to Novosibirsk and again RA-46532 was our means of transport. Tolmachevo airport certainly has a heart for the history of Russian civil aviation because one Tu-134 (RA-65693), two Tu-154 (RA-85684 and RA-85628) and one Il-86 (RA-86097) are beautifully preserved. Unfortunately both Alrosa aircraft are airside at the moment but in the future they should be exhibited in a museum including the Il-86. When and where that should be realized at the airport is unknown to me but Tu-154 RA-85628 will not be part of this because it is an eye-catcher at the entrance of the airport. RA-64051 of Aviastar was noted in the Russian Post c/s.

16 September 2019

EI-FNX	A330-243	I Fly
LX-SCV	B747-4R7F	Cargolux Italia
P4-KHB	ERJ190E2STD	Air Astana
RA-67060	L-410UVP-E20	Orenburzhye
RA-08824	An-24RV	IrAero
RA-89012	RRJ-95B	Yakutia Airlines
RA-89081	RRJ-95LR	Yamal Airlines
RA-89095	RRJ-95LR	Azimuth
UK32017	A320-214	Uzbekistan Airways
VP-BGQ	B737-8LJ	Rossiya
VP-BNP	B737-8MC	Aeroflot
VP-BQQ	A320-214	Ural Airlines
VP-BSJ	B777-21HER	IrAero
VP-BSK	B737-82R	Nordwind Airlines
VQ-BCG	B737-8LJ	Aeroflot
VQ-BCI	A320-214	Ural Airlines
VQ-BEE	B737-8Q8	Smartavia
VQ-BGX	A321-231	Ural Airlines
VQ-BHQ	B737-8LJ	Aeroflot
VQ-BKB	B757-2Q8	Azur Air
VQ-BKW	B737-8ZS	S7 Airlines
VQ-BWF	B737-8LJ	Aeroflot

**Military area**

21 bl	An-12BK	VKS Russia	
11 ye	An-2	VKS Russia	
RA-65681	Tu-134A-3	VKS Russia	
RF-04503	Mi-8AMTSh	VKS Russia	
RF-12554 (18 rd)	An-12BK	VKS Russia	
RF-26270	An-26	FSB	
RF-30080 (09 rd)	An-30R	United Nations	
RF-36024 (40 bl)	An-26	VKS Russia	
RF-90380 (38 ye)	Mi-8MT	VKS Russia	
RF-90553 (06 ye)	An-2	VKS Russia	
RF-90573 (01 ye)	An-2T	VKS Russia	
RF-90575 (09 ye)	An-2	VKS Russia	
RF-90297 (33 ye)	Mi-8MT	VKS Russia	
RF-90307 (428 bl)	Mi-8AMTShV	VKS Russia	std
RF-90895 (07 rd)	MiG-31BM	VKS Russia	
RF-90921 (25 bl)	An-12BK	VKS Russia	
RF-91259 (05 ye)	Mi-24P	VKS Russia	
RF-91850 (04 ye)	Mi-8MT	VKS Russia	
RF-93573 (36 ye)	Mi-24P	VKS Russia	
RF-93575 (31 ye)	Mi-24P	VKS Russia	
RF-95352 (423 bl)	Mi-8AMTShV	VKS Russia	
RF-95457 (04 rd)	MiG-31BM	VKS Russia	
RF-95458 (17 rd)	MiG-31BM	VKS Russia	
RF-95588 (221 ye)	Mi-8AMTShV	VKS Russia	
RF-95844 (32 rd)	Su-34	VKS Russia	

Just before our trip started, we were informed that today's planned flight from Novosibirsk to Mirny with Alrosa Tu-154 (RA-85757) had been canceled. This meant that we had to come up with an alternative and my friends decided to fly to Krasnoyarsk on this day with an IrAero An-24. My idea was to get in touch with a Russian spotter to photograph airplanes around OVB airport and this local enthusiast was soon found. He came up with the idea to book room 307 in the 6-12-24 hotel with a beautiful view of the military apron and taxi way. I found this a very interesting idea and booked this room immediately. So I finally arrived at the hotel on Sunday

evening and on this early Monday morning I could read and photograph some Russian military helicopters and planes from my room while the windows could also be opened. My new Russian friend came to pick me up around noon to take pictures along the runway. After a few hours he received a message via the scanner that four unknown military planes were on their way to OVB airport, reason to visit my hotel room again. This turned out to be a good choice as four An-2 aircraft taxied past my room to the military platform. According to my Russian friend a very special visit since he had not seen any An-2 activity at Novosibirsk-Tolmachevo for years.

17 September 2019

VP-BPJ	B737-8AL	Pobeda
VP-BRS	A321-231	Red Wings
VP-BZA	B737-8LJ	Aeroflot
VQ-BMB	ATR72-212A	UTair

**Hub Traffic**

S7 Airlines A319, A320, A321, B737, ERJ170

**Krasnoyarsk-Yemelyanovo****17 September 2019**

RA-26662	An-26-100	UTair Cargo
RA-42353	Yak-42D	KrasAvia
RA-42384	Yak-42D	UTair Cargo
RA-46667	An-24RV	UTair Cargo
RA-61713	An-148-100	Angara Airlines
RA-74013	An-74-200	UTair Cargo
RA-76503	Il-76TD-90	Volga-Dnepr
RA-89089	RRJ-95LR	Yamal Airlines
VP-BFX	A321-211	Aeroflot
VQ-BAA	B737-86N	NordStar Airlines
VQ-BJL	B737-524	UTair
VQ-BKN	ATR42-500	NordStar Airlines
VQ-BNG	B737-86J	NordStar Airlines
VQ-BYG	ERJ170SU	S7 Airlines
4x	Be-200ChS	MChS Rossii

**Stored**

CCCP-20995	Mi-2	Aeroflot
CCCP-24472	Aeroflot	
CCCP-70365	An-2P	Yeniseiski Meridian
RA-65605	Tu-134A	Sibaviatrans
RA-67148	L-410UVP	Yeniseiski Meridian
RA-85660	Tu-154M	KrasAir
<u>(RA-)86165</u>	Tu-154B-1	KrasAir
RA-86453	Il-62	KrasAir
RA-86459	Il-62	KrasAir
RA-87450	Yak-40	KrasAir

**Krasnoyarsk-Cheremshanka**

17 September 2019

RA-06026	Mi-26T	Aeroflot	std
RA-06035	Mi-26T	Skol	std
RA-06040	Mi-26T	Aeroflot	std
RA-24021	Mi-8T	KrasAvia	
RA-24031	Mi-8MT	KrasAvia	
RA-24565	Mi-8AMT	Skol	
RA-25567	Mi-8MTV-1	Rosneft	
RA-26105	An-26B-100	Khabarovsk Avia	
RA-46466	An-24RV	KrasAvia	
RA-46493	An-24RV	Turukhan	std
RA-46603	An-24RV	Turukhan	std
RA-46619	An-24RV	UTair Cargo	
RA-46620	An-24RV	Sirius Aero	
RA-46642	An-24RV	KrasAvia	
RA-46650	An-24RV	UTair Cargo	
RA-47362	An-24RV	KrasAvia	
RA-49279	An-24RV	Turukhan	std
RA-67018, RA-67020	L-410UVP-E20	KrasAvia	
RA-67288, RA-67289	DHC-6-400	Rosneft	
RA-67290, RA-67291	DHC-6-400	AeroGeo	
RA-67292	DHC-6-400	AeroGeo	
RA-67294, RA-67295	DHC-6-400	Rosneft	
RA-67296, RA-67297	DHC-6-400	Rosneft	
RA-69354	An-32A	KrasAvia	std
RA-87288	Yak-40	Skol	std
RA-87364	Yak-40	KrasAir	std
RA-87535	Yak-40	Tulpar	std

RA-87667	Yak-40	Tura Avn Enterprise	std
RA-87900	Yak-40K	KrasAvia	std
RA-88220	Yak-40	KrajAir	std
RA-88226	Yak-40	Skol	std
RA-87551	Yak-40	Yeniseiski Meridian	std
RF-17633	Ka-226T	Rosgvardiya	
RF-28979	Mi-8T	Krasnoyarsk Police	
RF-90687	Mi-8AMT	Russian Police	

Barnaul		17 September 2019	
CCCP-40484	An-2R	Aeroflot	pres
RA-46642	An-24RV	KrasAvia	
RA-85117	Tu-154B-1	Altai Airlines	derelict

On 17 September I flew with S7 Airlines ERJ170 (VQ-BYG) to Krasnoyarsk-Yemelyanovo where I met my friends again at nearby Cheremshanka airport. Compared to the larger Krasnoyarsk-Yemelyanovo airport it is always nice to visit this smaller airport because there is always something interesting to discover and photography is also possible. Today we had even booked a scheduled flight with a KrasAvia An-24 (RA-46642) to Barnaul. This aircraft, built in 1973, was equipped with the new red / white livery and also looked excellent on the inside. There is a lot of interest from KrasAvia in ATR's but let them stick with the real Russian airplanes for the time being including the Yak-42. KrasAvia is of the last Russian airlines that does not yet have any Western aircraft.

Barnaul		18 September 2019	
RA-24629	Mi-8P	Altaiskiye Avialinii	
RA-25332, RA-25548	Mi-8T	Altaiskiye Avialinii	
RA-28917	An-28	SiLA	
RA-89078	RRJ-95LR	IrAero	
RF-28980	Mi-8AMT	Altai Police	
VP-BSY	A321-231	Ural Airlines	

Tomsk-Bogashevo		18 September 2019	
RA-42458	Yak-42D	KrasAvia	
VQ-BKN	ATR42-500	NordStar Airlines	
VQ-BOJ	CRJ200ER	UVT Aero	

Surgut International		18 September 2019	
EY-787	B737-8GJ	Somon Air	
RA-25202	Mi-8T	UTair	
RA-42458	ATR42-500	NordStar Airlines	
VQ-BOL	CRJ200ER	UVT Aero	
VQ-BSH	A320-214	Aeroflot	

Surgut-Boravayo		18 September 2019	
N229SU	Su-29		
RA-0440G	Su-55M		
RA-0482G	Yak-12M		
RA-0688G	Yak-18T	fuselage only	
RA-0952G	Yak-52		
RA-1234G	Yak-54		
RA-1755G	Yak-52	fuselage only	
RA-1911G	An-2		
RA-2201G	Su-29		
RA-2202G	Su-31		
RA-2059G	DC-3	ex N97H	
RA-50567	An-2		
RA-54946	An-2R	SIBIA	
RA-1x	An-2 ?		
	Po-2		

This morning started with a new type of aircraft that we had never flown before, a SiLA An-28 (RA-28917) between Barnaul and Tomsk. Taking off Barnaul was an experience in itself and the pilots also enjoyed the fact that a number of enthusiasts were on board.

Upon arrival at Tomsk we immediately flew to Surgut with NordStar Airlines ATR42 (VQ-BKN). This afternoon we visited the small airport in Surgut with the name Borovayo Aerodrome. At this small airport we had a nice tour and the owner also wanted to make a flight with us in one of his An-2s. Unfortunately the weather was bad this afternoon so unfortunately this could not take place. The alternative was a visit to one of his restaurants in the city where all costs were paid by the big boss. We had not experienced so much hospitality during this trip, and we were also invited to come back next summer, the An-2, DC-3 and even flying with the local Yak / Sukhoi stunt team is more or less already promised. We'll keep in touch with Borovayo Aerodrome.

Surgut International		19 September 2019	
RA-42389	Yak-42D	UTair Cargo	
VQ-BLM	ATR72-212A	UTair	

  

Ufa International		19 September 2019	
EI-FSF	A330-243	I-Fly	
RA-89112	RRJ-95B	Aeroflot	
VP-BHN	A321-231	Nordwind Airlines	
VP-BXO, VP-BYL	B737-524	UTair	



SmartAvia is the new name of Nordavia. The rebranding was announced on 10 April 2019 and is expected to be completed by the end of 2019. Boeing 737-500 VP-BRN is one of the six Boeing 737-500 in Smartavia's fleet and wears the new titles. (Naryan-Mar, 20 September 2019, Andre Alders)



Yak-42D RA-42421 still sports the basic colours of one of its former operators Izhavia. Since August the aircraft is flying for UTair. (Naryan-Mar, 20 September 2019, Andre Alders)

VQ-BLJ ATR72-212A UTair  
 VQ-BPO B737-524 UTair

Ufa-State Aviation Technical University 19 September 2019  
 31rd MiG-19P pres.

Thursday morning 19 September we flew back to UFA with a UTair ATR72 (VQ-BLM). In the afternoon we visited the center of the city of Ufa. It is certainly worthwhile to walk extensively through the center of this city located at the confluence of the Belaya and Ufa Rivers

We also found a MiG-19 at the Ufa State Aviation Technical University.

Ufa International 20 September 2019

RA-42388	Yak-42D	KrasAvia
RA-42421	Yak-42D	UTair Cargo
RA-64059	Tu-204-300	RSFS
RA-89010	RRJ-95B	IrAero
RA-89029	RRJ-95LR	Gazpromavia
VP-BCU	A320-232	Yamal Airlines
VP-BUB	A330-223	Nordwind Airlines
VP-BWO	A321-231	Yamal Airlines
VP-BYL	B737-524	UTair
VQ-BCP	A319-111	Rossiya
VQ-BKR	B737-8AS	NordStar Airlines
VQ-BPR	B737-524	UTair

Perm-Bolshoye Savina 20 September 2019

RA-06128	Mi-8T	Geliks	std
RA-22497	Mi-8AMT	UTair	
RA-22636	Mi-8MTV-1	Skol	
RA-22734	Mi-8T	Kazan Avn. Ent.	
RA-24706	Mi-8T	Geliks	std
RA-42421	Yak-42D	UTair Cargo	
RA-25369	Mi-8T	Skol	
RA-26631	An-26	Lytnyye Proverki	
RA-26683	An-26-100	KAPO in. Korbunova	std
RA-89026, RA-89107	RRJ-95B	Aeroflot	
RA-89109	RRJ-95B	Aeroflot	
RF-28970	Mi-8T	Rosgvardiya	
VP-BFH	A320-214	Aeroflot	
VP-BPS	B737-8AL	Pobeda	
VQ-BLM	ATR72-212A	UTair	
VQ-BOR	CRJ200ER	UVT Aero	

Naryan-Mar Airport 20 September 2019

54006	Il-18Grm	NPP MIR	std
RA-22689	Mi-8AMT	Naryan-Mar Avn. Ent.	
RA-22640	Mi-8MTV-1	Naryan-Mar Avn. Ent.	
RA-24185	Mi-8T		
RA-25156	Mi-8T	Naryan-Mar Avn. Ent.	
RA-25166	Mi-8TP	Naryan-Mar Avn. Ent.	
RA-25440	Mi-8MTV-1	Naryan-Mar Avn. Ent.	
RA-25609	Mi-8T	Naryan-Mar Avn. Ent.	
RA-25812	Mi-8T	Naryan-Mar Avn. Ent.	pres

RA-32622, RA-33301	An-2R	Naryan-Mar Avn. Ent.
RA-40280	An-2R	Naryan-Mar Avn. Ent.
RA-42421	Yak-42D	UTair Cargo
RA-67218	CRJ200ER	MBK-S
VP-BMN	CRJ200ER	Rusline
VP-BRN	B737-5YO	SmartAvia
VP-BXY	B737-524	UTair
VQ-BNE	CRJ100ER	Rusline
1x	Yak-40	

At our last day within Russia we flew a return Ufa-Perm-Naryan-Mar with a UTair Cargo Yak-42. This Yak-42 with registration RA-42421 was clearly flying in a basic Izhavia livery but was provided with UTair Cargo titles on the fuselage. During the landing at Perm airport it turned out that this is also a large base of the Russian Air Force with many MiG-31, Su-24 and Su-30 fighters. As we arrived early at Naryan-Mar airport we tried to book a scheduled flight with Naryan-Mar Avn. Enterprise An-2 or Mi-8 to one of the small airports in the region but unfortunately all flights were fully booked. As an alternative we visited this small town that is situated on the right bank of the Pechora river, North of the Arctic circle. In the city centre we found a Mig on a stick, probably a Mig-3 (65 Red). The Il-18 suffered a landing excursion after landing at NNM in 2018, probably its last flight....

Ufa International 21 September 2019

EI-GFN	A319-112	I Fly
RA-89090	RRJ-95LR	Yamal Airlines
RA-89094	RRJ-95LR	Azimuth
VP-BIU	A319-114	Rossiya
VP-BTN	A319-114	S7 Airlines
VQ-BOD	A321-211	Nordwind Airlines
VQ-BRW	A320-214	Aeroflot

Moscow-Sheremetyevo 21 September 2019

7T-VKC	B737-8D6	Air Algeria
EI-GES	B777-31HER	Rossiya
EW-400PO	ERJ195LR	Belavia
TC-JOU	A330-243F	Turkish Airlines
VN-A866	B787-9	Vietnam Airlines
VP-BGK	B777-31HER	Royal Flight
VQ-BBP, VQ-BGZ, VQ-BRH	B747-8HVF	AirBridgeCargo
VQ-BQG	B777-3M0ER	Aeroflot
VQ-BVR	B747-867F	AirBridgeCargo

Rome-Fiumicino 21 September 2019

7T-VKR	B737-8D6	Air Algeria
9A-CQE	DHC-8-400	Croatia Airlines
A6-EOV	A380-861	Emirates
B-2725	B787-8	China Southern Airlines
B-6518	A330-243	Sichuan Airlines
C-GTSI	A330-243	Air Transat
EI-FXC	ATR42-300F	ASL Airlines
EI-GHA, EI-GHB	B737-490SF	Mistral Air

HZ-ASC	A320-214	Saudia Arabian Airlines
I-DATJ	MD-82	Alitalia (a/w) std
I-DAWB	MD-82	Alitalia std
JY-AYX	A320-232	Royal Jordanian
LN-LNN, LN-LNV	B787-9	Norwegian
N803NW, N807NW	A330-323E	Delta Airlines
OK-SWT	B737-7Q8	Smartwings
OY-JZZ	ATR72-212A	Mistral Air
VP-BNP	B737-8MC	Aeroflot
VP-BSW	A321-231	Ural Airlines
VQ-BOA	A320-214	S7 Airlines
YR-AME	B737-530	Blue Air

On 21 September we flew back to Amsterdam via Moscow Sheremetyevo and Rome Fiumicino with Aeroflot A320 (VQ-BRW), Aeroflot A321 (VP-BAE) and Alitalia A321 (I-BIXN). Unfortunately it is becoming extremely difficult to book interesting classic Russian airplanes these days. Scheduled KrasAvia and UTair Cargo Yak-42s are hard to find but still there are plenty of An-24s flying throughout the country, mainly far away to the east of Moscow. Even a regular service with the An-2 is possible, from Orenburg-Orsk. It is available online. Unfortunately, this option didn't fit in our schedule. Hopefully Alrosa will continue to fly their sole Tu-154 (RA-85757) after they withdrew their last Tu-134 earlier this year. This type of aircraft even survived the Tu-204 which was developed as a replacement for the medium range trijet. Red Wings was the last airline to put them aside last year.

Credit: Andre Alders

## Daytrippin'

### Cyprus

Michael van der Plas went on a non-spotters trip to Cyprus. However he did write down some registrations and send in the log for publication.

Paphos			30 September 2019
D-ANGB	CL-604	MHS Aviation	
HB-IHZ	A320-214	Edelweiss	
PH-HXA	B737-8K2	Transavia	
VQ-BUF	B737-8GJ	Rossiya Russian Airlines	

The Transavia aircraft took us in little then 4 hours from rainy Amsterdam to sunny Cyprus.

			4 October 2019
4X-ATJ	ATR72-500	Israir	
G-UZME	A321-251N	easyJet	

			7 October 2019
702	AW139	Cyprus Air Force	
817	Mi-35P	Cyprus Air Force	
F216	C-160NG	French Air Force	
4X-ATI, 4X-ATJ	ATR72-500	Israir	
5B-CKY	CeF172N		
5B-CLH	DA40D		
EI-EMA	B737-8AS	Ryanair	
G-JZBD	B737-800	Jet 2	
G-JZBK	B737-800	Jet 2	

Spotting was done from a nice little restaurant near the airport. When driving from the highway to the airport (there is only one entry) drive along the road, pass 2 car rental companies, pass the military base entrance until you see a boat on the right. There is a little sign to an Airport 24 hours parking and the Bonamare Beach Bar Café. This is a little road and at the end there is big parking space. The bar offers free WiFi. From the parking space there is a little dirt road along the water. Find a nice spot and the planes will land in front of you, the sun always in the back all day. The parking is free and the bar offers nice drinks and food for a good price. Paphos is not a really busy airport, during the day, after darkness it becomes a lot busier.

Israir flights are twice daily only on Mondays and Fridays, from Tel Aviv and Haifa. Also on some days you can see a Arkia A321 in the mornings. Traffic is dominated by UK char-

ters and Ryanair. The Cyprus AW139 has also SAR titles and the Mi-35s seems to be based at Paphos. Also a lot overflights can be seen from this spot, traffic leaving Larnaca to Europe. Today I saw 2 TUI Nordic B767s.

Larnaca		8 October 2019
4X-EKT	B737-8BK	EI AI
5B-CLO, 5B-CLP	AT01	
5B-CLT	DA42	
5B-DCW, 5B-DCX	A319-114	Cyprus Airways
5B-DDB, 5B-DDF	Fokker 70	Tus Air
5B-DDE	Fokker 100	Tus Air
A6-EGH	B777-31HER	Emirates Airline
A7-LAC	A320-214	Qatar Airways
A9C-TB	A320-251N	Gulf Air
D-AEAN	A300B4-622RF	EAT Leipzig (DHL c/s)
D-AIQS	A320-211	Lufthansa
EC-KLR	B737-3Q8SF	Swiftair
EC-MUB	B737-86J	AlbaStar
EI-FHT	B737-8JP	Norwegian Air International
EI-XLF	B747-446	Rossiya Russian Airlines
F-HTIL	P68	Aéro Sotrovia
G-SMSM	Falcon 2000LX	Luxaviation UK
G-TTNF	A320-251N	British Airways
G-UZHN	A320-251N	easyJet
G-WUKJ	A321-231	Wizz Air UK
HA-LWV, LYK	A320-232	Wizz Air
HB-JJK	A320-214	Edelweiss Air
I-NDOF	B767-306ER	Arkia
LN-NID	B737-8JP	Norwegian
M-YULI	A319-115X	Prime Value Trading
N737GG	B737-8KT	Mid East Jet
N768KD	CN235	Prescott
OE-IHH	A320-232	Laudamotion
OE-IIS	G-V	Luxaviation Germany
OE-IMD	B737-86N	ASL Airlines Belgium
OE-IVU	A320-214	easyJet Europe
OE-LBC	A321-211	Austrian
OE-LDN	CL-650	M Jet Aviation
SU-GDK	ERJ170LR	EgyptAir Express
SX-DGS, SX-DNF	A321-231	Aegean Airlines
SX-DVX	A320-232	Aegean Airlines
T7-ARG	G550	Weststream Holding
UR-PSS	B737-8AS	Ukraine Int'l Airlines
UR-SQC	B737-8H6	SkyUp Airlines
VP-BUL	B737-8LP	S7 Airlines
VQ-BCX	A321-211	Ural Airlines
VQ-BED	A321-211	Aeroflot Russian Airlines
VQ-BTD	B737-8MA	Pobeda
VQ-BVM	B737-8GJ	S7 Airlines
VQ-BWJ	B737-8LJ	Rossiya Russian Airlines
YR-BGA	B737-38J	Tarom
YR-BMJ	B737-82R	Blue Air

Spotting was done all day long from MacKenzie Beach. Landing all day was unfortunately not over the beach but from the other side (runway 04). Later in the afternoon the wind changed and runway 22 became operational. A lot of different airlines you can see here. Of course you can find here the home base of Cyprus Airways and Tus Air. And a lot of charter and scheduled operators. Especially a lot from Russia including Aeroflot, Azur Air, S7 Airlines, Pobeda and Rossiya. Also a lot of charters from the Nordic countries, like TUI Nordic and Thomas Cook Scandinavia, both with widebodies.

If runway 22 is in use, which means landing over the beach, the sun is good after 13:00. Making pictures at the general aviation side is not adviseable, due to heatwaves. Also a lot of bizzjets are to be found here.

Paphos		9 October 2019
F216	C-160G	EEA00.059
G-DRTC	B737-808	Jet 2
G-DRTO	B737-8JP	Jet 2
G-FDZT	B737-8K5	TUI Airways
G-JZHG	B737-85P	Jet 2

PH-HXC B737-8K2 Transavia  
 This all was seen from the Bonamare restaurant, before checking in for the Transavia flight home. Once airside at the airport, there are no views over the field, because between the terminal building and the platform is a kind of passport control building build. This building blocks all the views over the field. Paphos is a nice but quiet airport, with some days for special airlines. For example on Tuesdays you have 10 Ryanair planes in the morning and on Wednesday in the morning only TUI UK and in the afternoon only Jet 2 planes.

Credit: Michael van der Plas

## Estonia

9 September 2019			
Tallinn			
2-CHTR	B737-86N	LOT	
5N-BQI	B737-48E	Hak Air	on dump
5N-MAA	B737-4D7	Med View	on dump
D-AISU	A321-231	Lufthansa	
ES-ACA	AC500		std
ES-ACD	CRJ900ER	LOT/Nordica	
ES-ACF	CRJ701ER	Nordica	
ES-ACH	CRJ900ER	LOT/Nordica	
ES-EPA	PA-31	Parker Avio	
ES-KEN	DA62		
ES-MAA	Ce208		
ES-MPV	PA-23		
ES-PWB	AW139	Police	
ES-RAZ	L-39		
ES-SAM	A320-232	SmartLynx	
ES-TLH	L-39		
ES-TLM/1	L-39		
ES-TLN/3	L-39		
ES-TLP/5	L-39		
HB-JTJ	Falcon 900EX	Alpliner	
LY-LGC	B737-382		(a/w) on dump
OE-IAR	B737-4M0(F)	ASL Airl. Belg. (FDX c/s)	
OH-SWI	Ce525A	Scanwings	
SE-MDC	ATR72-212A	Danish Air Transport (a/w)	
TC-JFH	B737-8F2	Anadolujet	
YL-BAE, YL-BBT	DHC-8-402	airBaltic	
YL-CSC	CS300	airBaltic	
10 September 2019			
ES-ACI	CRJ900ER	LOT/Nordica	
ES-ACE	CRJ701ER	Nordica	
ES-PJR	BAe3201	Transaviabaltika	
ES-VPD	PA-34		
ES-LSI	Saab 340A/F	AirEst	
EC-FTR	B757-200	Cygnus Air	

EI-FPW	CRJ900	Scandinavian
EI-EBM	B737-8AS	Ryanair
LN-DYA	B737-8JP	Norwegian
OE-ITE	G450	Avcon Jet
OE-IAQ	B737-4M0(F)	ASL Airl. Belg. (FDX c/s)
OH-ATG	ATR72-212A	Finnair
TC-NCG	A320-251N	Pegasus
VP-BKF	B737-800	Aeroflot
YL-LDC	A321-211	Smart Lynx (n/t)
YL-CSH	CS300	airBaltic
YL-BAF	DHC-8-402	airBaltic
YL-BAQ	DHC-8-402	airBaltic
YL-BAY	DHC-8-402	airBaltic
LY-KLJ	B737-524	KlasJet

Also in full colors was a Jeju Air B737-800 but the registration was obstructed. The former Norra ATR72's are now repainted as Finnair.

There is also a known stored TU134 but parked very far from the terminal, so I did not read it off.

Credit: Danny de Kiewit

## Italy

23 September 2019		
Genova		
D-ACNA	CRJ900	Lufthansa
I-HELA	AS350	Heliwest
N203RC	G450	Cip Construction Company
OE-FDT	Ce510	GlobeAir
PH-EXZ	ERJ175STD	KLM Cityhopper
VP-CIF	CL-605	Saudi Aircraft Management
24 September 2019		
CSX62164	P180	Aeronautica Militare
MM25161/8-03	P166	Marina Militare
MM62160	P180	Aeronautica Militare
MM62166/GF-14	ATR42	Guardia di Finanza
MM62169	P180	Aeronautica Militare
MM62201	P180	Aeronautica Militare
MM62206	P180	Aeronautica Militare
MM62212/9-01	P180	Marina Militare
MM62248/GF-18	P180	Guardia di Finanza
MM62285/PS-B18	P180	Polizia dello Stato
MM81067/GdiF-109	NH500	Guardia di Finanza
2-GGGT	Ce560	Jet Plane Corp.
9H-RDG	P180	Piaggio America
D-ACKJ	CRJ900	Lufthansa
EI-FVG	A319-111	Ernest
EI-EPH	B737-8AS	Ryanair
EI-EWJ, EI-FGH	B717-2BL	Volotea
ES-PAL	P180	Panaviatic



Tel Aviv based operator Israil flies with three ATR72s on their domestic route network alongside four A320s which are used for their international destinations. Cyprus destination Paphos is an exception this is usually served with ATR72s. On 07 October 2019 4X-ATI was photographed while landing at Paphos. (Michael van der Plas)

G-EZGB	A319-111	easyJet
G-UZHU	A320-251N	easyJet
HA-EFC	P180	
HB-LLJ	P180	Air Ceresia
I-ADJN	ERJ195LR	Air Dolomiti
I-BUFC	A109	
I-AVGP	P180	ENAV
I-DDFG	P180	Sirio
I-WJET	P180	Windjet
I-DPCQ/12	CL-415	Vigili del Fuoco
I-DPCG/24	CL-415	Vigili del Fuoco
I-DVFM/VF-181	P180	Vigili del Fuoco
I-VFPB/VF-72	AB412	Vigili del Fuoco
N8AG	Falcon 900LX	Wing and Rotor
N450EF	G-IVSP	Prime Jet
PH-EXP, PH-EXU	ERJ175STD	KLM Cityhopper

Visited Genova airport and was also allowed a look inside the Piaggio maintenance facility. The Windjet P180 I-WJET is being broken up and used for spare parts. All c/n's were checked and no differences were found with the published numbers.

#### Milan-Malpensa

8 October 2019

2-GGGT	Ce560	Jet Plane Corp.
4X-EHB	B737-958ER	EI AI
9H-FAM	EMB500	Luxwing
9H-FSJ	B737-86N	Blue Panorama
9H-GAW	B737-8Z0	Blue Panorama
9H-GTC	B737-430	Blue Panorama
9H-JPC	ERJ135BJ	Air X Charter
9H-MAG	EMB505	Luxwing
9H-MPW	B737-484	Air Horizont
A6-EOZ	A380-861	Emirates
AP-BGK	B777-240ER	PIA Pakistan Airlines
C-FPQB	B787-9	Air Canada
CN-RNJ	B737-8B6	Royal Air Maroc
CS-DXL	Ce560XLS	NetJets Europe
D-ABQA, D-ABQP	DHC-8-402	Eurowings
D-AEAI	A300B4-622RF	DHL
D-AGOV	Global XRS	Windrose
D-AILA, D-AILX	A319-114	Lufthansa
D-BOOC	Ce750	AirX Charter (Germany)
EC-MFA	A340-313X	Plus Ultra
EC-MFS	B737-4Y0	Alba Star
EI-FDS	B737-86N	Air Italy
EI-GGK, EI-GGL, EI-GFY	B737-8	Air Italy
EI-GHJ	ERJ190AR	Stobart Air
EI-NEO, EI-NEU, EI-NEW	B787-9	NEOS
ET-ANO	B777-260LR	Ethiopian
ET-APS	B777-F6N	Ethiopian Cargo
EW-532PO	ERJ195LR	Belavia
F-GUGJ	A318-111	Air France
G-EUPH	A319-131	British Airways
G-EUYU	A320-232	British Airways
G-FXDT	Beech 400A	Flairjet
G-FXRJ	Beech 400A	Flairjet
G-LCAB	ERJ190LR	British Airways
HB-JVP	ERJ190LR	Helvetic
HS-THF	A350-941	Thai
I-ADJS	ERJ195LR	Air Dolomiti
I-AVNE	Lj40	Avionord
I-CRFX	ERJ135BJ	Sirio
I-DBLR	CL-650	Sirio
I-FORR	Lj40	Avionord
I-FORU	Lj45	Avionord
I-GEFD	Falcon 2000	Sirio
I-JAMI	Falcon 7X	Sirio
I-KRFX	ERJ135BJ	Sirio
I-NEOU	B737-86N	NEOS
I-PBRA	Falcon 50	Sirio
I-PBRB	Falcon 2000LX	Sirio
I-SKYT	Ce510	Sky Services
I-TOPD	Beech 400A	Exec. Aircraft Management
I-TOPX	Beech 400A	Eurofly Service
LX-DLF	G650	Global Jet Luxembourg
LZ-FBA	A320-112	Bulgarian
LZ-FIB	IAI1126	BH Air

LZ-LVK	B737-3H4	ALK Airlines
LZ-SIA	B737-3H4	Tayaran Jet
M-FLCN	Falcon 2000EX	Omega Aviation
N525L	Ce525B	Morgran Management
N625PG	Ce525	
N777J	CL-604	The Whitewind Company
N844FD	B777-FHT	FedEx
N920FD	B757-235(F)	FedEx
N76065	B767-424ER	United Air Lines
OE-GES	Ce560XLS+	Jet24
OE-GIE	Ce525B	Airlink
OE-HGP	G280	AFS Alpine Flight Service
OE-HLL	CL-300	International Jet
OE-IMB	Global 6000	Avcon Jet
OO-SNA	A320-214	Brussels Airlines
OO-SSK	A319-112	Brussels Airlines
PT-MSO	B767-316ER	LATAM Airlines Brasil
SX-LWA	B737-330	Lumiwings
VP-BZR	A320-214	Rossiya
VQ-BIV	A320-214	Aeroflot
YU-PBB	Ce560XLS+	Air Pink

9 October 2019

D-AIUL, D-AIUU	A320-214	Lufthansa
EC-ILP	A321-213	Iberia
EC-MXM	B737-800	Air Europa
LZ-FBE	A320-214	Bulgarian
SU-GDX	B737-866	Egypt Air
VQ-BEH	A320-214	Aeroflot

Many many bizzjets due to the temporary closure of Milan-Linate and also nice to see many 'older' B737's. Alitalia, Ryan Air and KLM were left out of the report.

#### Turin

9 October 2019

CSX62127	C-27J	Alenia
CSX62311	ATR72	Alenia, ex LV-GUI
MM62298/41-03	ATR72	Aeronautica Militare
MM62280/41-02	ATR72	Aeronautica Militare
I-ADJN	ERJ195LR	Air Dolomiti
N737ER	B737-7CJ (BBJ)	Boettie Air
OE-HGP	G280	AFS Alpine Flight Service
PH-EZF	ERJ190STD	KLM Cityhopper

Credit: Danny de Kiewit

#### Sweden

Stockholm-Arlanda		4 September 2019
9A-DWA	Ce525	Winair
HS-TKW	B777-3D7ER	Thai
PH-HCI	BaE3201	AlS
SE-LJS	Saab 340	a/w
SE-LIO, SE-LTR, SE-MFP	Fokker 50	a/w
SE-MFJ	Fokker 50	Amapolaflyg
SE-MFU	Fokker 50	BRA
YR-SEB	B737-800	Smart Wings

Credit: Danny de Kiewit

#### United States

##### Lower Manhattan Heliport (New York City) 30 September 2019

N131TD, N132TD	EC130	HeliNY
N431HF	Bell 430	Heliflite
		01 October 2019
N98ZA, N777ZA	Bell 407	Zip Aviation
N134HF	AW139	Heliflite
N217MH	Bell 206	NY on Air
N351LH	AS350	Liberty Helicopters
N406MR	Bell 206	
N777ZA	Bell 407	Zip Aviation
N98ZA	Bell 407	Zip Aviation

##### Above Brooklyn Bridge

N919PD	Bell 429	NYPD
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##### Above Manhattan

N700J	AW139	
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Credit: Danny de Kiewit

# Ocean Sky 19



Hans de Ree  
Eric Tammer  
Leo de Ree

By the looks of it, EF-18M C.15-28 is coming in for a precautionary landing at Gando air base on 23 October 2019, accompanied by its wingman. Leo de Ree caught the scene on the first day of the authors' visit to Ocean Sky 19.

Exercise Ocean Sky 19 took place from 19 to 30 October 2019, at Gando air base on the island of Las Palmas de Gran Canaria. Last year, the authors of this article had booked flights and a hotel to attend Ocean Sky 18. Unfortunately, it was cancelled so they had to change plans and visit rainy Puglia to go spotting at Amendola's TLP. This year another Ocean Sky was announced, and they decided to try again. This time, there was no cancellation.

The aim of this exercise is to deploy Spanish air force fighter wings to Gando air base to train the capabilities of the command and control structure within an air superiority campaign. This will help improve the air-to-air combat skills of participating aircrew. The exercise consisted of an academics phase and an execution phase. The academics phase included a series of force integration presentations. Of course, most important for enthusiasts was the execution phase that involved Dissimilar Air Combat Training (DACT) and Mixed Fighter Force Operations (MFFO) missions, in which a large number of fighter aircraft trained in a variety of challenging scenarios. Exercises such as Ocean Sky 19 have been taking place annually in the Canary Islands since 2004, although until now they had just been called DACT.

Participants were all the Spanish first-line fighter units flying Eurofighters and F-18s, a large deployment of F-15s from Lakenheath and three F-16s of the Turkish Air force. In-flight refuelling support was provided by a Spanish KC-130 and for airborne early warning and control, a NATO E-3 flew on afternoon missions. A Spanish Falcon 20 and an A400 operated out of Lanzarote. A large area south of the Canary Islands was reserved for practically unrestricted manoeuvring during the exercise.

Gando air base shares runways with Gran Canaria airport. Prevailing winds are from the north. Runway 03L is ILS-equipped, so that is where all the civil traffic lands. Military take-offs and landings are on 03R. When on approach, the



The exercise logo features god Neptune and waves of sea and clouds.

larger military planes usually follow the ILS and make a side-step towards 03R, just 200m to the right. Most of the military fighters make visual overhead breaks. Formations of four, six and sometimes eight aircraft were observed. Favourable weather conditions helped a lot. During the week in which the authors were present, approaches were from the north on just one morning. Spotting is very relaxed at Gando, there is a sizable population of local spotters.

The approach on the south side is near the beach village of El Burrero. Relatively recently, a number of apartment buildings have been constructed close to the approach. The beginnings of more infrastructure, like roads, are visible but it seems building activities have been put on hold. Next to the newly paved roads is a lava surface, showing the volcanic origins of the island. During the morning there are various photo positions available from high to low, further away for top views for instance, as well as closer by. Spotting on the north side is possible as well, at the Playa Ojos de Garza. Taking position with the sun in one's back in the morning is an option only at low tide though - and make sure to get back in time as well. In the afternoon it is easier, even taking a dip in the ocean while waiting for the next arrivals is among the possibilities then.

When the authors arrived on 23 October, the exercise was already in full swing. Missions were flown late in the morning and late in the afternoon, thereby letting observers enjoy the Spanish lifestyle of a *café con leche* or *americano* with sweets for breakfast, a meal and *siesta* in the afternoon and *tapas* and a stroll along the boulevard in the evening. On Saturday there were no flights but on Sunday there were! On Monday the Spotters Day was attended with some 200 other, mostly Spanish spotters. The group was very well positioned on the roof of the Ala 46 maintenance hangar with a nice view of the apron full of fighter aircraft, and of the taxi track and runway.

On Tuesday, our reporters took a day off from plane spotting for a very successful bird spotting trip in the mountains. On Wednesday, most participants departed for home and some interesting transport aircraft visited, along with other bonuses such as a US Marines Hercules and Brazilian Embraer. All-in all, this was a highly rewarding trip.



No less than 28 Hornets and 16 Eurofighters made up the Spanish fighter contingent at Ocean Sky 19. Eric Tammer took this fine shot of Ala 11's EF2000T CE.16-05 and EF2000 C.16-40 during the Spotters Day at Gando on 28 October 2019.

**Participants**

EF-18M/BM of Ala 12

C.15-44/12-02, C.15-51/12-09, C.15-54/12-12, C.15-55/12-13, C.15-56/12-14, C.15-59/12-17, CE.15-08/12-71, CE.15-11/12-74

EF-18M of Ala 15

C.15-15/15-02, C.15-24/15-11, C.15-27/15-14, C.15-28/15-15, C.15-29/15-16, C.15-32/15-19, C.15-36/15-23, C.15-38/15-25

FA-18A+ of Ala 46

C.15-73/46-01, C.15-75/46-03, C.15-79/46-07, C.15-82/46-10, C.15-83/46-11, C.15-84/46-12, C.15-86/46-14, C.15-89/46-17, C.15-90/46-18, C.15-93/46-21, C.15-94/46-22, C.15-95/46-23

EF2000(T) of Ala 11

CE.16-05/11-74, C.16-33/11-33, C.16-35/11-35, C.16-38/11-38, C.16-40/11-16, C16-53/11-53, C.16-57/11-57, C.16-63/11-63

EF2000 of Ala 14

C.16-36/14-03, C.16-45/14-10, C.16-49/14-13, C.16-50/14-14, C.16-65/14-23, C.16-74/14-32, C.16-75/14-33, C.16-76/14-34

F-16C/D of 151 Filo

88-0015, 88-0034, 89-0025

F-15C/D of 493rd FS

84-0010/LN, 84-0019/LN, 84-0044/LN, 86-0154/LN, 86-0156/LN, 86-0159/LN, 86-0163/LN, 86-0164/LN, 86-0165/LN, 86-0166/LN, 86-0176/LN, 86-0178/LN

Other participants

LX-N90448	E-3A	NAEW&CF	
LX-N90450	E-3A	NAEW&CF	'70 Years' c/s
TK.10-11/31-53	KC-130H	Ala 31	
TK.23-02/31-22	A400M	Ala 31	
TM.11-3/472-03	Falcon 20D	472 Esc	

The Falcon and A400 operated from Lanzarote as mentioned before, but the bizzer did visit Gando on the 30th.

**Gran Canaria-Gando**

23.D.4-03	CN235-100MPA	SAR Pool	October 2019
E.22-04/409-33	Beech C90	409 Esc	+25,28,30
HD.21-17/802-17	H215M	802 Esc	+30
T.21-03/35-41	C295M	353 Esc	+25,28,30
EC-KEL/102	CN235-300	Salvamento Marítimo	+24
EC-LKA	EC135P2+	Policia	Angel29 +24
24.T.10-09/31-06	C-130H	Ala 31	
TM.11-3/472-03	Falcon 20D	472 Esc	
25.T.22-1/45-50	A310-304	451 Esc	+26
26.EC-LCH	AW139	Salvamento Marítimo	+27,28,30
28.(E.16-107)	T-6G	pres gate as 'C.6-107/463-21'	
HD.21-16	H215M	802 Esc, coded 802-16	
EC-MSD	EC145	Servicio de Urgencias Canario	+30
EC-MNT	EC145	Servicio de Urgencias Canario	
30.2590	VC-2	GTE	
T.21-04/35-42	C295M	353 Esc	
T.22-2/45-51	A310-304	451 Esc	
TK.10-07/31-52	KC-130H	Ala 31	
TK.23-05/31-25	A400M	Ala 31	
18-0093	A400M	221 Filo	
63-13187	C-130E	222 Filo	Solo Türk c/s
57-2609	KC-135R	101 Filo	
168071/BH-071	KC-130J	VMGR-252	

CN235 D.4-03 is also still marked T.19B-10. On the civil apron, two AT-802s that operate on government contracts were seen on the 25th, but not identified. The 28th was the Spotters Day. For a detailed overview of which aircraft was seen when, check the following topic on our message board: <https://forum.scramble.nl/viewtopic.php?f=45&t=148134>.

Las Majoreras, Ingenio October 2019  
T.12B-54/46-37 C212-100 Ala 46 pres  
This C212 is preserved close to the main road, overlooking the landings on the runways 03. It now has '50' on its nose.



NATO E-3 LX-N90448 descends on the Gando runway at the end of its mission on 27 October 2019. (Leo de Ree)

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Although Novosibirsk/Tolmachevo is known for its Army Aviation Brigade, it also houses some detachments of other operational Aerospace Forces (VKS Russia) units. Normally some MiG-31s on QRA can be seen in addition to transport aircraft like this An-30 RF-30080/09(r) of the VKS Russia which is used for air sampling/radiation reconnaissance. Although in UN colours for over 20 years, it was never used by the UN. (Tolmachevo, 16 September 2019, Andre Alders)



Still sporting the old VVS Russia titles, Mi-8MTShV RF-95588/221(y) was also noted at Novosibirsk. (Tolmachevo, 16 September 2019, Andre Alders)



Not seen that often at Novosibirsk/Tolmachevo are An-2's of the VKS Russia, four of which turned up this day, including RF-90575/09(y). An overview of aircraft at Tolmachevo can be read in the triptease section inside. (Tolmachevo, 16 September 2019, Andre Alders)



The next Olympic and Paralympic Summer Games will be held in Tokyo, Japan. Due to this event, Japanese main carriers Japan Airlines and ANA have repainted some of their aircraft with Tokyo 2020 titles. All three aircraft on this page including this Boeing 767 JA601J were seen at Tokyo-Haneda on 6 November 2019 by René Verschuur.



ANA has painted Boeing 777 JA741A with some Japanese highlights and Olympic disciplines.



Japan Airlines is using the official mascots of the Olympic and Paralympic summer games named Miraitowa and Someity on Boeing 777 JA773J as well as on the above pictured Boeing 767.