

489

February 2020

Scramble



*Osan AB
Paramaribo 2019-Q4
Triptease Argentina, Uruguay, Taiwan*

D U T C H A V I A T I O N S O C I E T Y



Since November 2019 this former Continental Boeing 737-800 is painted in this Star Wars colour scheme. On the right hand side the titles are red and on the other side of United Airlines N36272 it is blue. (San Juan (PR), 18 January 2020, Juan A. Rodriguez)



On this picture this Gulf Air Boeing 787 Dreamliner is using the factory test registration N1012N and painted in the 1976 retro colour scheme. During its delivery in October it was re-registered to A9C-FG. (Washington-Dulles (VA), 17 September 2019, Anton van Ruiten)



Air Sénégal International took delivery of this Airbus A330-941 in March 2019. It is registered in Malta as 9H-SZN and seen on a cold sunny morning at Paris Charles de Gaulle. (29 December 2019, Nik Deblauwe)

Editorial

Some of our editors seem to be trying to loose some weight at the start of 2020. This is reflected in our February issue, that suffers a bit from 'New Year's resolution slimness'. Also, we do not have the Wrecks and Relics section in this issue.

Nonetheless, we have some interesting content to offer. There are a couple of quite comprehensive trip reports. First one is a welcome military report from Argentina and Uruguay. We do not get sightings from there very often and most updates are normally gleaned from social media, photo sites and local forums.

The other huge report details a trip through Taiwan and Okinawa, Japan. Although plagued by bad weather on some days, lots of aircraft were seen and photographed. So there is much to be enjoyed. As you can see, we have liberally used photographs to illustrate these.

We did not get very many other photographs this month, so any contribution is very welcome also because we are in the process of making this year's SMS Europe again. Along with two other publications the SWAF and the Scramble Military Transports.

We have one article this month. This is a report from Osan Air Base in South Korea. The quarterly instalment of the Paramaribo movements is here again for our civil oriented readers.

With close to 100 editions of Scramble Magazine digitally available by now, we have decided to reduce the sales price of old copies considerably. The older the better! Please check <https://pocketmags.com/scramble-magazine/issues>.

Important dates

Scramble 490	
Deadline copy:	20 February 2020
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Cover Photo



The 11th Coast Guard District, based at Sacramento/McClellan Airfield (CA), is flying with HC-130Hs and HC-27Js. On 2 August 2019, this HC-27J, serial 2710, was photographed by Coert van Breda at its homebase.

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

Movements Netherlands



On 13 October 2019 Emirates announced a special livery to be applied on an Airbus A380. The announcement came a day after the UAE's first Emirati astronaut Hazzaa AlMansoori, came back to the UAE after a successful space mission. Late November 2019 special decals were applied to A380 A6-EEH. (Amsterdam - Schiphol, 23 December 2019, Robert Eikelenboom)

Amsterdam - Schiphol

Corrections

		November 2019					
16.OO-ABA	A340-313E	Air Belgium		EC-KOL	Ce560XL	Gestair	05 GES121L
18.OO-ABA	A340-313E	Air Belgium		G-FXER	Beech 400XT	FlairJet	07 FLJ52/1
				LX-DEA	Ce560XLS	Luxaviation	10 LXA24Y
				M-IFFY	Ce510	Xead Aviation	09
				N518HR	CL-300	Healthcare Realty Trust	f/v 06
				N6453	G650	Nike	f/v
				OE-FFB	Ce510	GlobeAir	05 GAC487N/265Q
01.9H-CLG	CL-850	Air X Charter	AXY110/105	OE-GLS	Ce650	Tyrolean Jet Service	dep TJS56
9H-VCA	CL-350	VistaJet Malta	02 VJT401	OK-UGJ	Ce680	Travel Service	TVS67J/68J
9V-SJA	A350-941	Singapore Airlines	f/v SIA324/3	OO-ABA	A340-313E	Air Belgium	SLM3006/993
D-CROG	EMB505	Air Hamburg	dep AHO267X	OO-JAQ	B737-8K5	TUI Belgium	05 TFL448/041
N486MC	B747-45EF	Atlas Air	f/v GTI5421	OY-SWO	Falcon 2000S	Blackbird Air	BBB42/42P
N8100E	Falcon 900EX	Emerson Electric	02	05.B-16719	B777-36NER	EVA Air	f/v EVA075/6
OE-FFB	Ce510	GlobeAir	02 GAC722J/611J	D-AZUR	ERJ135BJ	Air Hamburg	07 AHO720J
OE-FHA	Ce510	GlobeAir	02 GAC265P/460K	D-CAWN	Ce680A	Aerowest	
OO-ABB	A340-313E	Air Belgium	SLM994/3	D-CHRD	Ce680	Hahn Air	HHN909
OO-MMT	Ce560XLS	Air Service Liège	06	D-ICBA	Ce525A	ProAir	06
SU-GDV	A330-343E	Egypt Air	MSR757/8	LY-BGH	BAe125-750	Charter Jets	f/v 09 LTC201
VP-CCC	ERJ190BJ	Arab Wings	dep	LZ-BVL	B737-33S	Ellinair (a/w)	LZB461/2
02.D-AGBE	Falcon 7X	Volkswagen	dep WGT5E	OE-GTE	Ce560XLS+	Porsche Air Service	06
D-CHIP	Ce525B	Eisele Flugdienst	EFD3P	OO-ABA	A340-313E	Air Belgium	06 SLM994/3
G-HCSA	Ce525A	Bookajet	05 BOO119/123	OY-JZJ	B737-82R	Jet Time	IBK3540/1
G-SONE	Ce525A	Centreline Air Charter	CLF438	OY-THP	PC-12/47E	Blackbird Air	f/v
LZ-BVL	B737-33S	Ellinair (a/w)	f/v LZB461/2	PH-HSK	B737-8K2	Sun Country	dep TRA051
N9190X	PA-46-350P		f/v	SE-RPA	B737-8JP	Norwegian	f/v NAX4257/8
N820HB	G-V	Executive Flightways	f/v	06.D-667	CH-47D	298sq	*Viking4
N890DA	G550	Craig Protein Division	05	9H-VCA	CL-350	VistaJet Malta	VJT401
OE-FZA	Ce510	GlobeAir	03 GAC611K/149E	D-AGBE	Falcon 7X	Volkswagen	09 WGT5E
OO-ABB	A340-313E	Air Belgium	SLM994/3005	D-CXLS	Ce560XLS+	Air Hamburg	07 AHO481L
03.14+04	Global 5000	FBS BMVg	f/v 04 GAF676	LX-VMF	Ce560XL	Luxaviation	dep LXA15P
9H-VCJ	CL-350	VistaJet Malta	07 VJT492	LZ-ADV	MD-82	ALK Airlines / Air Luba	LZB461/2
A6-BNB	B787-9	Etihad Airways	f/v ETD77/8	N515TJ	Beech 400A	Blackburn Int'l	07
D-CHIP	Ce525B	Eisele Flugdienst	EFD3P	N656TT	G650ER	Taj Air	
D-CAWR	Ce560	Aerowest		N887TM	G550	Airflite	arr
D-IPVD	Ce525A	Transavia Flug		OE-FWF	Ce510	GlobeAir	GAC341Y/230Z
D-FLBW	PA-46-600TP		04	OE-IPE	G550	Global Jet Austria	07 GLJ82PE
F-HEMI	Ce525A	Valljet	f/v VLJ54AH	OY-TWO	PC-24	Blackbird Air	BBB1P/1
G-RANE	CL-605	Saxonair	04 SXN65C	RA-09602	Falcon 7X	Gazpromavia	f/v 07 GZP9615/6
LN-STB	CL-350	Sundt Air	MDT5	SE-RRY	B737-8JP	Norwegian	f/v NAX1258/9
LX-JFX	PC-12/47E	Jetfly Aviation	JFA04D/79B	SP-TVZ	B737-8BK	Smartwings Poland	f/v CSA616/7
LZ-BVL	B737-33S	Ellinair (a/w)	LZB461/2	07.9H-VCJ	CL-350	VistaJet Malta	08 VJT492
N820HB	G-V	Executive Flightways		9V-SMZ	A350-941	Singapore Airlines	f/v SIA324/3
OE-FZB	Ce510	GlobeAir	GAC149F/677S	LZ-LVK	B737-3H4	ALK Airlines / Air Luba	LZB461/2
OO-CCJ	Ce525	Air Service Liège	f/v 04	N732PA	CL-605	Mirage Aviation	10
OO-XLS	Ce560XLS+	Air Service Liège	12	OE-GCA	Ce560XL	Goldeck Flug	GDK07CA
SE-RNR	CL-350	EFS	EUW4116	OK-AST	Ce560XL	Air Bohemia	BOH711/2
VQ-BZB	Global XRS	Macsteel Jet Services	06	OK-AST	Ce560XL	Air Bohemia	09 BOH714/1
XA-MFG	B787-9	AeroMéxico	f/v AMX025/6	OO-ABA	A340-313E	Air Belgium	SLM994/3
04.9H-IGH	Global 6000	VistaJet Malta	05 VJT775	OO-MMT	Ce560XLS	Air Service Liège	10
9H-MAO	Global XRS	Emperor Aviation	f/v 06 EMM010	SE-RMB	Ce525B	Svenskt Industriflyg	dep
9H-VCL	CL-350	VistaJet Malta	2x VJT418/A	SE-RMB	Ce525B	Svenskt Industriflyg	19 2x
D-AIRG	ERJ135BJ	Air Hamburg	AHO879D	SE-ROJ	A320-251N	Scandinavian	f/v SAS557/8
D-CAHO	Ce560XLS+	Air Hamburg	05 AHO411B/344U	SU-GDT	A330-343E	Egypt Air	MSR757/8
D-CAWN	Ce680A	Aerowest	f/v	SP-TVZ	B737-8BK	Smartwings Poland	CSA616/7

VQ-BCY	A320-214	Ural Airlines	f/v SVR743/4	SE-RPD	B737-8JP	Norwegian	f/v NAX1258/9
YU-FNR	Ce525	Eagle Express	EES300	T7-SAI	Global 5000	Capital Aviation	f/v 14
08.9H-VCA	CL-350	VistaJet Malta	VJT401	TF-AMA	B747-45EBDSF	Saudia / Air Atlanta	f/v SVA933D/4
CS-TJO	A321-251NX	TAP Air Portugal	f/v TAP672/1	XA-FEM	G550	Servicios Aereos	13
D-AJET	ERJ135BJ	Air Hamburg	AHO793H	12.9H-JDV	Ce525	NextGen Aviation	13
D-ICBA	Ce525A	ProAir		9H-VJO	Global 6000	VistaJet Malta	13 VJT878
D-IEMO	Raytheon 390	Projet	09	B-LQA	A350-941	Cathay Pacific	f/v CPA271/0
EJ-CORE	ERJ135BJ	Gain Jet Ireland	11 GJI65R	D-CZZZ	Ce560XLS+	DC Aviation	DCS707
G-JZBD	B737-8MG	Jet 2 Holidays	f/v EXS205/6	D-IAAT	EMB500	Arcus Air	AZE79UC/71UC
LX-VMF	Ce560XL	Luxaviation	20 LXA15P	G-JZHF	B737-8K2	Jet 2	EXS46A/206
LZ-ADV	MD-82	ALK Airlines / Air Luba	LZB461/2	HB-VWM	Ce525	Nomad Aviation	
OE-FFB	Ce510	GlobeAir	09 GAC230B/527W	LX-ONE	Lj45	Lux. Air Ambulance	LRQ826F
OO-ABA	A340-313E	Air Belgium	SLM994/3	N500J	G550	Johnson & Johnson	13
P4-BFL	G450	Delia	09 BFY582R	N910RW	TBM-910	Redwood	13
PH-BFG	B747-406	KLM	dep KLM747	N990HA	Falcon 7X		13
PH-FHB	PA-46-500TP	Faber Halbertsma	09	OO-ABA	A340-313E	Air Belgium	13 SLM994/3
SU-GDS	A330-343E	Egypt Air	MSR757/8	OO-DFG	Falcon 2000LX	Luxaviation Belgium	AAB670
YU-SCJ	Ce525	Prince Aviation	09 PNC9CJ	OO-MMT	Ce560XLS	Air Service Liège	14
09.9H-JLK	Falcon 7X	TAG Aviation Malta	dep TEU11	OY-JZJ	B737-82R	Jet Time	IBK3540/1
D-BAHB	Falcon 2000LX	MHS Aviation	MHV20Y	PH-HSM	B737-8K2	Sun Country Airlines	dep TRA051
D-CHRD	Ce680	Hahn Air	HHN909	SE-RFH	Ce680	EFS	13 EUW9442
D-IEMO	Raytheon 390	Projet	10	VT-CPA	G550	Poonawalla Aviation	13
EC-MXA	CRJ1000	Air Nostrum	f/v 11 ANE2011/2	YL-AAU	A220-371	Air Baltic	f/v BTI619/20
EI-HBB	CRJ1000	Iberia Regional	f/v 11 ANE2014/5	13.ZE708	BAe146 C3	32(TR)sq	RRR1912
G-HCSA	Ce525A	Bookajet	19 BOO122/125	9A-JSD	Ce525A	Jung Sky	14 JSY137D/147D
LX-FPF	Ce525B	Flying Group Luxemb.	FYL91F/92F	9H-JLK	Falcon 7X	TAG Aviation Malta	TEU11
M-OBIL	Ce525C	Ulla Popken Fashion		9H-VJO	Global 6000	VistaJet Malta	14 VJT878
M-OCOM	CL-604	Shino Aviation	10	D-AGBH	Falcon 7X	Volkswagen	16 WGT8H
N152FJ	Falcon 50	Victory Outreach La Puente	dep	D-CRON	Ce560XLS	Silver Cloud Air	SCR762
N420SK	CL-604	Oshkosh Corp.	12	G-FXCR	Beech 400A	FlairJet	FLJ51/2
OE-FZD	Ce510	GlobeAir	GAC265R/976W	G-UZLJ	A320-251N	EasyJet	f/v EZY2155/6
OO-ABA	A340-313E	Air Belgium	11 SLM994/3	I-CNDG	Ce560XLS+	Sardinian Sky Service	SSR260
OO-GPP	Falcon 7X	Luxaviation Belgium	10 AAB27C	LZ-MDK	A320-232	Fly2Sky (a/w)	LZB461/2
SP-TVZ	B737-8BK	Smartwings Poland	CSA616/7	OE-LRR	Falcon 7X	Avcon Jet	f/v AOJ82R
TC-GHP	CL-850	MNG Jets	10	14.F-HGET	PC-12/47E	Getonejet	15
TC-SHE	BAe125-850XP	Erben		LZ-MDK	A320-232	Fly2Sky (a/w)	LZB461/2
10.8P-ASD	G650ER	ALN Bermuda	11	OO-ABA	A340-313E	Air Belgium	SLM994/3
CS-DGR	Ce650	Valair	AJU651	OO-MMT	Ce560XLS	Air Service Liège	15
D-AHOX	ERJ135BJ	Air Hamburg	AHO550K	PK-GHE	A330-941	Garuda Indonesia	f/v GIA088/9
D-IEMO	Raytheon 390	Projet	11	PP-NOB	Falcon 50EX	Nobre Empreendimento	25
EI-LSY	G550	Gain Jet Ireland	13 GJI55	SU-GDU	A330-343E	Egypt Air	MSR757/8
I-AFOI	Raytheon 390	Italfly	11 ITL201	VP-BCL	CRJ702	Consolidated Contractors	
N757PL	G650ER	Prime Jet	f/v 11	15.9A-DWA	Ce525A	Winair	16
N836BA	B737-7BC	Boeing	11 RDN562	9H-FGV	EMB500	Luxwing	16 LWG701
OE-GLR	Ce680A	Goldeck Flug	11 GDK10LR/11LR	EC-MTU	A330-223	Wamos	NAX8996/7701
OY-OLD	Falcon 8X	Air Alsie	MMD400	F-HBDX	EMB505	Jetkey	KBD216
SE-RRC	B737-8JP	Norwegian	f/v NAX1258/9	F-GGGA	Ce550	Valljet	16 VLJ68AG
11.9H-ARE	Global 5000	Albinati Aviation	f/v 13 ULC91	G-CKOF	B787-9	Norwegian	f/v NAX7700/7951
9H-VJO	Global 6000	VistaJet Malta	12 VJT878	OK-ROM	ERJ135BJ	ABS Jets	17 ABP741
9H-YES	B737-5Q8	Air X Charter	AXY1116/7	OO-ABA	A340-313E	Air Belgium	SLM994/3
A6-MAF	G650	Empire Aviation	12 MJE001	SE-RPB	B737-8JP	Norwegian	f/v NAX1258/9
CS-TVG	A320-251N	TAP Air Portugal	f/v TAP672/1	SU-GDU	A330-343E	Egypt Air	MSR757/8
F-HRSC	Ce525A	Socri-Aero	13	16.9H-FFF	Ce650	Luxwing	LWG1302/3
SE-RNR	CL-350	EFS	EUW4123	D-CSCE	EMB505	Luxaviation Germany	17 LXG55CE



This BBJ1 has been in service with Beijing Airlines since July 2012. B-3999 was delivered to China via Lufthansa Technik. (Amsterdam - Schiphol, 21 December 2019, René Woerlee)



After operating for Enter Air in the summer of 2019 the Airbus A320 LZ-EAB was returned to Electra Airways. (Amsterdam - Schiphol, 21 December 2019, Walter Heukensfeld)

D-CUGF	Ce525B	Atlas Air Service	ATL4U	N900FH	TBM-900	HTG Trading	
D-ITRA	Ce525	Transavia Flug		OO-ABA	A340-313E	Air Belgium	20 SLM994/3
F-HPUR	BAe125-800XP	Valljet	VLJ33AR	OY-JZJ	B737-82R	Jet Time	IBK3540/1
LZ-EAB	A320-231	Electra Airways	f/v LZB461/2	PH-BCL	B737-8K2	KLM	del KLM9870
M-AAAL	G650	ALM New Jet		PZ-TCR	A340-313X	ex Surinam Airways	dep SLM3001
M-NTOS	Ce525C	Selementos	18	SE-RRZ	B737-8JP	Norwegian	f/v NAX1258/9
M-SPEK	Beech 350	Specsavers Aviation	SSZ9A/B	SE-RXZ	B787-9	Norwegian	f/v NAX7700/1
N29DE	Cirrus SF50	Deny Airlines	22	20. A7-MAN	C-17A	12sq	f/v 23 LHOB242
N527EF	G450	The Whitewave Foods Company	17	A6-EVJ	A380-842	Emirates	f/v UAE147/8
OE-GDP	EMB505	Speedwings	SPG281	9H-AMY	CL-850	Air X Charter	21 AXY2104/5
OE-HOP	G200	Avcon Jet	17 AOJ78P	9H-CLG	CL-850	Air X Charter	21 AXY2002/2107
OK-OBR	Ce510	Aero Partner	DFC4PM	9H-VJP	Global 6000	VistaJet Malta	VJT895
OM-TSG	B737-82R	Smartwings	CSA616/7	B-3999	B737-79L	Beijing Airlines	f/v 21 BJN099
OO-ABA	A340-313E	Air Belgium	18 SLM994/3	D-ISUN	Ce525A	Excellent Air	ECA5C
SP-KCS	Ce560XLS	Jet Story	17 JDI30C	LX-VMF	Ce560XL	Luxaviation	28 LXA15P
TC-RBA	A321-251NX	Pegasus Airlines	f/v PGT1251/2	LY-FSK	BAe125-900XP	Classic Jet	21 LLT981/931P
17. 9A-DWA	Ce525A	Winair	18	LZ-BHM	A320-232	BH Air	TRA071/5821
9H-JLK	Falcon 7X	TAG Aviation Malta	TEU11	LZ-BHM	A320-232	BH Air	21 TRA5822/6149
A7-BFU	B777-FDZ	Qatar Cargo	f/v QTR8203/4	OE-FZD	Ce510	GlobeAir	GAC194P/083Q
CS-TFO	Lj40	Omni Aviation	OAV303	OO-CCJ	Ce525	Air Service Liège	
D-CSCE	EMB505	Luxaviation Germany	18 LXG55CE	OO-JUK	Falcon 7X	Flying Group	FIG43K/211
D-ITAN	Ce525	Transavia Flug		OO-XLS	Ce560XLS+	Air Service Liège	
G-DRTE	B737-8K5	Jet 2	19 EXS031E/032E	SE-RMB	Ce525B	Svenskt Industriflyg	f/v NAX4257/8
LN-LNC	B787-8	Norwegian	f/v NAX7700/1	SE-RRU	B737-8JP	Norwegian	f/v NAX4257/8
LZ-TRH	Lj60	Air Volta	VLB111/2	TC-KHG	G550	Korvez	22
M-AAAL	G650	ALM New Jet	18	21. A6-EPQ	B777-31HER	Emirates	f/v UAE145/6
N40TE	Global 5000	Exec. Jet Management	f/v TWY674	D-CHRE	Ce680	Hahn Air	22 HHN910
N625GN	G-V	Fertitta Entertainment	20	D-ILOU	Ce525A	UL Aviation	AWU121A
OE-FHA	Ce510	GlobeAir	GAC239H/033Z	JY-BAB	B787-8	Royal Jordanian	RJA151/2
OE-IEN	Falcon 2000EX	Global Jet Austria	18 GLJ93EN	LZ-BHM	A320-232	BH Air	22 TRA6150/072
OO-MMT	Ce560XLS	Air Service Liège	27	LZ-EAB	A320-231	Electra Airways	LZB461/2
18. 9H-JLK	Falcon 7X	TAG Aviation Malta	22 TEU11	M-JCCA	ERJ135BJ	TAG Aviation Asia	
9H-VFB	CL-605	VistaJet Malta	VJT598	N1RP	G550	Penske Jet	
9H-VTD	Global 6000	VistaJet Malta	19 VJT993	OO-ABA	A340-313E	Air Belgium	SLM994/3
D-AGBE	Falcon 7X	Volkswagen	WGT5E	OY-DBS	Falcon 8X	Air Alsie	MMD6596
D-BEEP	Ce750	Air X Executive	AXG1810/1	PH-BKF	B787-10	KLM	f/v arr KLM9878
D-ILOU	Ce525A	UL Aviation	19 AWU118A/119A	SU-GDS	A330-343E	Egypt Air	MSR757/8
D-INOB	Ce525A	Atlas Air Service	20 ATL3Z	22. 9H-VCJ	CL-350	VistaJet Malta	23 VJT492
HA-LKG	B737-8CX	Smartwings Hungary	f/v CSA616/7	D-IPVD	Ce525A	Transavia Flug	
M-JCCA	ERJ135BJ	TAG Aviation Asia	f/v	ES-SAP	A320-232	Smartlynx Estonia (a/w)	NAX4257/8
N900FH	TBM-900	HTG Trading		LZ-EAB	A320-231	Electra Airways	LZB461/2
OE-FCB	Ce510	GlobeAir	GAC451F/239J	OE-GGO	EMB505	M Jet	MJF279
OE-FGB	Ce525A	Jet Pool	19	OO-ABA	A340-313E	Air Belgium	SLM994/3
OO-DFG	Falcon 2000LX	Abelag Aviation	19 AAB213	OO-CEJ	Ce525	Air Service Liège	
SE-RPM	B737-8JP	Norwegian	f/v NAX4257/8	OO-XLS	Ce560XLS+	Air Service Liège	27
TC-RBB	A321-251NX	Pegasus Airlines	f/v PGT1253/4	SE-RMB	Ce525B	Svenskt Industriflyg	arr
VP-BTZ	A320-214	Ural Airlines	f/v SVR743/4	SU-GDS	A330-343E	Egypt Air	MSR757/8
19. D-CAGA	EMB505	Luxaviation Germany	LXG55GA	23. A6-EQL	B777-31HER	Emirates	f/v UAE145/6
D-CMDH	Ce680	Eisele Flugdienst	21 EFD6H	D-BAHB	Falcon 2000LX	MHS Aviation	24 MHV20Y
D-ISAR	Raytheon 390	Euroflug Frenzel		D-IGWT	Ce525A	Sylt Air	26 AWU723G/726G
ES-SAP	A320-232	Smartlynx Est. (a/w)	20 NAX4257/8	LY-NVQ	A321-231	Avion Express (a/w)	TVF4010/1
F-GSCR	Ce525B	Luxaviation France	LEA595C	LZ-EAB	A320-231	Electra Airways	LZB461/2
G-HCSA	Ce525A	Bookajet	arr BOO125	N515TJ	Beech 400A	Blackburn Int'l	
HA-LKG	B737-8CX	Smartwings Hungary	CSA616/7	OO-ABA	A340-313E	Air Belgium	SLM994/3005
M-AVIR	Global 6000	TAG Aviation (UK)	20	OO-CEJ	Ce525	Air Service Liège	
M-NTOS	Ce525C	Selementos		SE-RRX	B737-8JP	Norwegian	f/v NAX1258/9
N171JC	G-IVSP	Global Air Charters	GJE76	24. D-CASH	EMB505	Air Hamburg	AHO228Z

EC-MUA	B777-212ER	Privilege Style	25 SLM3002/993
LZ-EAB	A320-231	Electra Airways	LZB461/2
OK-BII	Beech 400A	JetBee Czech	JBC299A/287A
OM-GTG	B737-84P	Corendon Airlines	f/v CAI020
25.9H-VJO	Global 6000	VistaJet Malta	26 VJT878
OK-BII	Beech 400A	JetBee Czech	26 JBC287C/299B
26.D-IEKU	Ce525A	Excellent Air	27 ECA2C
EC-MUA	B777-212ER	Privilege Style	27 SLM994/3
M-OBIL	Ce525C	Ulla Popken Fashion	
OY-JZJ	B737-82R	Jet Time	IBK3540/1
YL-AAV	A220-371	Air Baltic	f/v BTI619/20
27.LZ-EAB	A320-231	Electra Airways	LZB461/2
N456KW	Beech 58PA		31
OM-GEX	B737-8AS	Air Explore (a/w)	TVF4010/1
OO-MMT	Ce560XLS	Air Service Liège	arr
OO-XLS	Ce560XLS+	Air Service Liège	30
PH-BFI	B747-406	KLM	dep KLM747
28.9H-YOU	CL-850	Air X Charter	AXY2805/3
D-CSOS	Lj45	Jetcall	29 JCL1
EC-MUA	B777-212ER	Privilege Style	SLM994/3
LX-VMF	Ce560XL	Luxaviation	arr LXA15P
OE-FPP	Ce510	GlobeAir	GAC760C/770V
OE-FZC	Ce510	GlobeAir	GAC509G/312W
OO-NEY	EMB545	Air Service Liège	
SU-GDT	A330-343E	Egypt Air	MSR757/8
29.A6-ETK	B777-3FXER	Etiihad Airways	f/v ETD77/8
D-CHRD	Ce680	Hahn Air	HHN910
D-CUGF	Ce525B	Stuttgarter Flugdienst	30 ATL4U
EC-MUA	B777-212ER	Privilege Style	SLM994/3
OO-JUK	Falcon 7X	Flying Service	FYG222/22K
SE-ROG	A320-251N	Scandinavian	f/v SAS1555/6
SU-GDV	A330-343E	Egypt Air	MSR757/8
30.9H-VCE	CL-350	VistaJet Malta	arr VJT474
D-CKJE	EMB505	Air Hamburg	31 AHO268K/224H
EC-MUA	B777-212ER	Privilege Style	arr SLM994
G-GARE	Ce560XLS+	Virtus Aviation	
LZ-EAB	A320-231	Electra Airways	LZB461/2
N29DE	Cirrus SF50	Deny Airlines	arr
OE-FPP	Ce510	GlobeAir	GAC721E/509H
OM-GEX	B737-8AS	Air Explore (a/w)	TVF4010/1
31.CS-TOQ	A330-203	TAP Air Portugal	f/v TAP672/1
D-CEIS	Ce680	Eisele Flugdienst	EFD6S
D-CMMP	EMB505	Luxaviation Germany	arr LXG55MP
D-IAKN	Ce525A	Star Wings	STQ111
G-FXCR	Beech 400A	FlairJet	arr FLJ52
OE-FPP	Ce510	GlobeAir	GAC982A/760D
OK-RLV	G280	Avcon Jet	arr

On the 5th a Transavia Boeing 737 departed for winter lease to Sun Country. Viking4 performed a fly by over runway 22 on the 6th. A KLM Jumbo departed to Cotswold Airport for disposal on the 8th. The Iberia Regional and Air Nostrum flights on the 9th were Valencia FC charter flights. On the 12th another Transavia Boeing 737 departed for winter lease to Sun Country. The Jet 2 Boeing on the 17th arrived for maintenance. The final KLM B737NG arrived from Boeing Field on the 19th. On that same day the former SLM Airbus

A340 was ferried to Ciudad Real Central Airport for disposal. KLM took delivery of a new Boeing 787 on the 21st. On the 27th a KLM Boeing 747 departed to Teruel. TAP Air Portugal closed the 2019 movements, operating with larger equipment to Amsterdam.

Credits: Laurent ten Hoopen (SBS), CH-Aviation, Scramble MB.

Rotterdam - The Hague

December 2019

01.N768JJ	G550	Journey Aviation	
N900FH	TBM-900	HTG Trading	dep
OK-RAH	Beech 400XT	Time Air	TIE856H
OO-CEJ	Ce525	Air Service Liège	dep
OO-MMT	Ce560XLS	Air Service Liège	
OY-GDB	ERJ195LR	Great Dane Airlines	GDE972
PH-VBG	Falcon 2000EX	JetNetherlands	02
02.CS-DXO	Ce560XLS	NetJets Europe	NJE177L/083B
D-CGRC	Lj35A	Jet Exec. Int'l Charter	JEI313
HB-FOW	PC-12/45	Future Wings	
N61AJ	Ce421C	Coco Air	10
N838SC	Global Express	The Whitewind Comp.	
OO-HCA	R44	Heli & Co	03
PH-ELP	EC135T2	ANWB - MAA	dep Lifeliner2
03.CS-PHD	EMB505	NetJets Europe	NJE644A/674K
D-CSUN	Ce560XLS+	Air Hamburg	04 AHO433M
D-GWB	DA42	Rhein-Main Aviation	
D-ISCH	Ce525A	G. Schubert	
F-HSHB	Ce510	Flybox	
M-JCBB	G650	JC Bamford Excavators	JCB1
N194ER	Ce510	Blue Sky Aviation	dep
OK-CTP	PC-12/47E	OK Aviation Wings	div NTF594
OO-HCA	R44	Heli & Co	04
PH-VBG	Falcon 2000EX	JetNetherlands	06
04.D-IKOE	Ce510	Reederei Köpping	
D-IPVD	Ce525A	Transavia Flug	
N700QT	TBM-700C2	Euroaviation	
OY-JBS	PA-46-500TP		
05.S-440	AS532U2	300sq	*Wildcat05
CS-PHL	EMB505	NetJets Europe	NJE7RF
D-CAHO	Ce560XLS+	Air Hamburg	AHO411B
D-CAWU	Ce560XLS	Adolf Würth	
G-SAJI	ERJ145EP	Loganair	div LOG860/1
HB-FOW	PC-12/45	Future Wings	06
N36JE	G-IV	Ajeton	
OO-ACO	Ce510	Air Service Liège	
OO-CCJ	Ce525	Air Service Liège	06
YU-PCC	Ce560XLS+	Air Pink	
06.D-AHOI	ERJ135BJ	Air Hamburg	07 AHO699L
D-CJMK	Ce560XLS+	Air Hamburg	AHO329R
D-IAIB	Ce525	AIB Assest	08
OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW432/3
PH-DWA	ERJ145LR	Air Charters Europe	JNL070
SE-RFH	Ce680	European Flight Service	EUW9435
07.N512GV	G550	Netflix	
PH-VBG	Falcon 2000EX	JetNetherlands	09



Maarten Visser (sr) was at Rotterdam - The Hague airport on 12 December 2019 when A400M 54+26 operated by LTG62 paid a short visit.



Construction number 50500544 was registered in Guernsey on 9 December 2019. Just over a week later, on 17 December 2019, Kees Hartevelde was able to take this photo when the Embraer 505 passed through Rotterdam - The Hague airport for customs reasons.

08. N939PA	PA-46R-350T	SCH Aviation	del	18. D-BEEP	Ce750	Air X Charter	AXG1711/1810
PH-DWA	ERJ145LR	Air Charters Europe	JNL070	OO-ACC	Ce525A	Air Service Liège	24
09. 9A-JIM	C-525	Air Pannonia		SP-AST	Ce525	AMC Aviation	20 AMQ9T
PH-KFB	DA42NG	KLM Flight Academy	*KLM7908	19. 9A-DWA	Ce525A	Winair	
10. D-CFLY	Ce560XLS+	Air Hamburg	11 AHO396K/386N	9H-CFB	PC-24	NextGen Aviation	f/v
D-FWIT	PC-12/47E	Air Alliance		CS-LTA	Ce680A	NetJets Europe	NJE2NS/266Y
D-FWIT	PC-12/47E	Air Alliance		CS-PHJ	EMB505	NetJets Europe	21 NJE9FF/300E
F-HGLG	Lj75	Ixair		D-FWIT	PC-12/47E	Air Alliance	
G-HASS	BAe125-850XP	Bookajet		D-FWIT	PC-12/47E	Air Alliance	
N412MD	PC-12/45	Rosedale Aviation		D-ILAP	EMB500	Liebherr Aerosp. Lindenberg	20 LHB4
N61AJ	Ce421C	Coco Air	arr	D-ISAR	Raytheon 390	Euroflug Frenzel	
PH-ELP	EC135T2	ANWB - MAA	arr	20. 9H-ALL	Ce525A	Luxwing	21 LWG192/102
PH-HVB	EC135T2+	ANWB - MAA	dep	CS-DGR	Ce650	AirJetSul	AJU651
SE-RFH	Ce680	Europ. Flight Service	12 EUW9442/5	M-SNER	Falcon 2000LX	Tim Meisner	21
11. D-IMME	Ce551	Heli-Flight		OO-CCJ	Ce525	Air Service Liège	arr
OK-JFA	Beech 400XT	Time Air	TIE882J	21. CS-DLG	Falcon 2000EX	NetJets Europe	NJE2PH/204D
PH-KFB	DA42NG	KLM Flight Academy	*KLM7908	CS-PHC	EMB505	NetJets Europe	NJE2SD
PH-MFX	Ce650	JetNetherlands		D-IAIB	Ce525	AIB Assest	22
PH-VBG	Falcon 2000EX	JetNetherlands	16	D-IPCH	Ce525A	Jetkontor	JKH32A
SP-LIH	ERJ175LR	Government of Poland	LOT7015/6	PH-TTR	H135	ANWB - MAA	Lifeline1
12. 54+26	A400M	LTG62	GAF549	TC-JZF	B737-8F2	Turkish Airlines	THY3961/2
9A-DWA	Ce525A	Winair	13	22. D-CGGG	Lj31A	Jetcall	23 JCL3
9H-SKI	P180	Kemmunett		D-IPCH	Ce525A	Jetkontor	JKH32A
CS-DXN	Ce560XLS	NetJets Europe	NJE6SL/923E	PH-LAU	Falcon 900EX	Exxaero	XRO620
CS-DXY	Ce560XLS	NetJets Europe	16 NJE642M/113Q	TC-JVZ	B737-8F2	Turkish Airlines	THY3953/4
D-CDRF	Lj35A	DRF	AMB487	23. V-11	G-IV	334sq	NAF11
PH-DKI	P68C	Zeeland Air		D-CGGG	Lj31A	Jetcall	JCL3
PH-MFA	DA42NG	Martinair Lelystad	KLM7914	D-CSCB	Ce560XLS+	Silver Cloud Air	SCR187
SE-RFH	Ce680	European Flight Service	EUW9445/2	24. V-11	G-IV	334sq	NAF11
13. CS-CHB	CL-350	NetJets Europe	NJE808L/6RA	CS-PHK	EMB505	NetJets Europe	26 NJE367K/2CP
D-AWIN	ERJ135BJ	Air Hamburg	15 AHO843V/537P	D-CRON	Ce560XLS	Silver Cloud Air	SCR762
D-INOB	Ce525A	Atlas Air Service	ATL3Z	D-IAIB	Ce525	AIB Assest	25
D-IPCG	Ce425	PGS Holding		25. 9H-VJF	Global 6000	VistaJet Malta	26 VJT754
OE-FMG	Eclipse 500	Mali Air Luftverkehr	14	OE-FHA	Ce510	GlobeAir	26 GAC201X/190Y
TC-REC	G450	REC Aviation	14	26. CS-PHC	EMB505	NetJets Europe	NJE2SD/749H
14. CS-LAU	Ce680A	NetJets Europe	15 NJE7TV	D-IPVD	Ce525A	Transavia Flug	
D-CXLS	Ce560XLS+	Air Hamburg	15 AHO459B	27. 9H-ALL	Ce525A	Luxwing	LWG101/192
G-MEGN	Beech B200	Dragonfly Avn Svs	CBM88	CS-DLB	Falcon 2000EX	NetJets Europe	28 NJE408K/854R
PH-DWS	ERJ135LR	Air Charters Europe	JNL418	D-CAPB	Ce560 Encore+	Aerowest	
15. PH-DWS	ERJ135LR	Air Charters Europe	17 JNL418	28. CS-CHI	CL-350	NetJets Europe	29 NJE7QF/442M
SP-AST	Ce525	AMC Aviation	AMQ9T	CS-DXK	Ce560XLS	NetJets Europe	NJE3ZP
16. CS-PHN	EMB505	NetJets Europe	17 NJE976K/634C	CS-DXV	Ce560XLS	NetJets Europe	29 NJE747B/8HL
D-ILAT	Eclipse 550	Liebherr Aerosp. Lindenberg	17 LHB6	CS-PHL	EMB505	NetJets Europe	NJE7RF
F-GSLZ	Falcon 100	Harmony Jets	HMJ208	D-CAPB	Ce560 Encore+	Aerowest	
M-FALC	Falcon 7X	Premier Falcon Jet		D-IHAG	Ce551	Heli-Flight	
N823AM	BAe125-800XP	AirMed		D-IPCG	Ce425	PGS Holding	
17. 2-EMBR	EMB505	X Air	ORT05C	OE-FZC	Ce510	GlobeAir	30 GAC190Z/238X
D-CFHZ	EMB505	DAS Privat Jets	18 2x	PH-TTR	H135	ANWB - MAA	Lifeline1
D-FOUR	TBM-930			29. 9H-WII	Ce650	Luxwing	LWG1291/202
D-IVAA	Ce510	Centrec		30. M-SAIL	PC-12/47E	Sailfly	
F-HROG	P180	Oyonnair	18	N134EC	P180	Piaggio America	
G-SIRS	Ce560XL	Luxaviation UK	LNx51RS	31. 9H-JOY	CRJ200ER	Air X Charter	01 - /AXY0118
OE-FZD	Ce510	GlobeAir	GAC744Z/634U	D-CKHG	Ce560XLS	Windrose Air	01 QGA705P/6P
PH-LAU	Falcon 900EX	Exxaero	19 XRO738/620	D-ICEE	Ce525	Spree Flug Luftfahrt	01
PH-VBG	Falcon 2000EX	JetNetherlands	23				
PH-WRW	EC120B	Heli Holland Holding					

The Pilatus on the 3rd was an Eindhoven diversion. Loganair

on the 5th was a Groningen diversion. The Piper 46 arriving on the 8th is a new resident. It was flown to Midden-Zeeland airport on 17 October 2019 still registered as F-HLMC. The Guernsey registered Embraer on the 17th is a new Jersey resident. Although registered to X Air the jet is being operated by ORTAC, a Jersey based Operations Management company. A new Pilatus PC-24 for NextGen Aviation was delivered to Antwerp via Rotterdam on the 19th. For a photo of the aircraft, please have a look at the Belgian movements section.

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

Maastricht - Aachen

December 2019			
01.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG4250/1
9H-VCO	CL-350	VistaJet Malta	VJT449
LN-WDK	DHC-8-402	Widerøe	dep WIF9019
02.A7-BFH	B777-FDZ	Qatar Airways	QTR8211
D-AVYF	A321-271N	Airbus Industrie	09 AIB322B/C
D-AYAH	A321-271N	Airbus Industrie	dep AIB042C
ES-ACK	CRJ900	LOT / Nordica	arr EST9001
ET-APU	B777-F6N	Ethiopian Airlines	ETH3508
PH-CJM	Ce680	ASL	dep
03.F-GCGA	Beech C90	Aelia Assurances	div
HA-LPO	A320-232	Wizz Air	div WZZ1071/8301
HA-LVD	A321-271NX	Wizz Air	div WZZ2271
HA-LYJ	A320-232	Wizz Air	div WZZ8025
04.D-Iawe	Ce425		
OE-FNP	Ce510	GlobeAir	05 GAC803Z/792A
PH-DIX	PC-12/45	Din-Air	
05.9H-VJV	Global 6000	VistaJet Malta	VJT957
D-IBJH	CeT303		06
HA-LVF	A321-271NX	Wizz Air	div WZZ2271
HA-LXI	A321-231	Wizz Air	div WZZ1641
HA-LXT	A321-231	Wizz Air	div WZZ8025
LX-ECV	B747-4HQERF	Cargolux	CLX7613
LX-GCL	B747-467F	Cargolux	UAE9962
LX-TCV	B747-4R7F	Cargolux Italia	div CLX7153
OE-FGI	Ce525	Salzburg Jet Aviation	SOW2
OE-FNP	Ce510	GlobeAir	GAC792B/594L
OO-NEY	EMB545	Air Service Liège	
OO-STG	Ce421C	De Boer Belgium	
PH-TXA	Ce510	JetNetherlands	
06.4K-SW800	B747-4R7F	Silk Way West Airlines	07 AZG258/9
A7-BFU	B777-FDZ	Qatar Airways	QTR8261/2
CS-DQA	Ce560XLS	NetJets Europe	08 NJE124D/167Q
F-WTBI	A321-211	Avation (TCX c/s)	18
HB-ALM	ATR72-202(F)	Zimex Aviation	09 AZD701/2
LX-RCV	B747-4R7F	Cargolux Italia	CLX7135
07.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG256/7
9H-VCA	CL-350	VistaJet Malta	VJT401
D-IAJK	Ce414		
08.LX-JCV	B747-4EVERF	Cargolux	CLX7656
OO-NEY	EMB545	Air Service Liège	
PH-DWA	ERJ145LR	Air Charters Europe	09 JNL507
PH-DWS	ERJ135LR	Air Charters Europe	12 JNL492/518

PH-HGT	Ce680+	JetNetherlands	XRO675
09.9H-QEH	B737-800	Malta Air	f/v RYR3SB/6ZH
A7-BFP	B777-FDZ	Qatar Airways	QTR8194
CS-PHG	EMB505	NetJets Europe	NJE6KY/843H
D-CAHO	Ce560XLS+	Air Hamburg	AHO425V/418U
ET-ARK	B777-F60	Ethiopian Airlines	ETH3508
HB-JBE	CS100	Swiss	dep SWR5195
HB-JBF	CS100	Swiss	22 SWR5194/81
N139LE	L-39ZO	Skyline Aviation	tdy 12
OO-TUV	B737-86J	TUI Belgium	JAF910F/9200
OY-RUE	MD-83	Danish Air Transport	DAT912/3241
10.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG252/3
LX-GCL	B747-467F	Cargolux	UAE9988
11.D-BLUE	Falcon 2000LX	ACM Air Charter	BVR222
I-GEFD	Falcon 2000	Sirio	SIO741
N543GL	Global 6000	Skechers USA	12
OO-TNB	B737-8K5	TUI Belgium	JAF9300/940F
OY-RUE	MD-83	Danish Air Transport	DTR3242/0913
PH-DWA	ERJ145LR	Air Charters Europe	JNL507/649
12.CS-PHC	EMB505	NetJets Europe	NJE844E/2SD
CS-PHE	EMB505	NetJets Europe	NJE4EB/416T
D-IPVD	Ce525A	Transavia Flug	
LX-GCL	B747-467F	Cargolux	UAE9962
LX-MCL	B747-4HAERF	Cargolux	CLX7613
OO-VMF	Ce560XLS+	Air Service Liège	
PH-DWS	ERJ135LR	Air Charters Europe	13 JNL518/927
VP-BMV	A220-300	GTLK (a/w)	arr SXA592
13.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG254/5
D-IEMO	Raytheon 390	Pro Jet	
LX-TCV	B747-4R7F	Cargolux Italia	CLX7135
14.N194ER	Ce510	Blue Sky Aviation	
OE-FZD	Ce510	GlobeAir	GAC633W/522X
OE-FZD	Ce510	GlobeAir	15 GAC522Y/523V
PH-CJM	Ce680	ASL	17
TC-MCT	B747-412F	Saudia	15 SVA3023/912
15.CS-PHN	EMB505	NetJets Europe	NJE2TN
TC-ACF	B747-481(F)	Saudia	SVA3923/4
16.9H-QAF	B737-800	Malta Air	f/v RYR3SB/6ZH
D-CHLR	EMB505	Atlas Air Service	ATL9K
ET-APS	B777-F6N	Ethiopian Airlines	ETH3508
F-WTBH	A321-211	Avation (TCX c/s)	23
N194ER	Ce510	Blue Sky Aviation	
VP-BTR	A321-211	Aeroflot	26 AFL7722/3
17.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG252/2156
CS-LTD	Ce680A	NetJets Europe	NJE8RJ/637F
I-EDLO	BAe125-750	Alba Servizi	18
LX-GCL	B747-467F	Cargolux	UAE9988
OE-FZD	Ce510	GlobeAir	GAC634U/GAC412X
PH-DWS	ERJ135LR	Air Charters Europe	28 JNL418/577
18.CS-PHJ	EMB505	NetJets Europe	19 NJE9FF/982R
D-ABQL	DHC-8-402	Luffahrtges. Walter	arr LGW801
19.4K-SW888	B747-4R7F	Silk Way West Airlines	AZG2159/60
LX-GCL	B747-467F	Cargolux	UAE9962
LX-KCL	B747-4HAERF	Cargolux	CLX7613
N8970N	Ce441		dep
PH-CJM	Ce680	ASL	20
TC-ACM	B747-428ERF	Saudia	20 SVA3911/2
20.4K-SW800	B747-4R7F	Silk Way West Airlines	AZG258/9



Former Thomas Cook Airlines A321 G-TCDO was ferried to MAAS for painting, temporarily registered F-WTBI. It emerged from the paint shop in the colours of Vietjet Air. (Maastricht - Aachen, 23 December 2019, Arjen Sleuwehoek)



Cirrus SF50 N94AD was delivered to Petrowest Services in March 2018 and like most aircraft based in Europe it made a visit to the Cirrus Vision Service Center at Groningen airport. Simen Dorschman was able to photograph the aircraft when it arrived on 10 December 2019.

CS-DLF	Falcon2000EX	NetJets Europe	21 NJE986T/9VS
CS-LTG	Ce680A	NetJets Europe	NJE630G/551N
LX-YCV	B747-4R7F	Cargolux Italia	CLX7135
21. D-CHLR	EMB505	Atlas Air Service	22 ATL9K
PH-CJM	Ce680	ASL	25 2x
22. 4K-SW008	B747-4R7F	Silk Way West Airlines	23 AZG4250/1
PH-DWA	ERJ145LR	Air Charters Europe	06 JNL35/05
RA-76951	Il-76TD-90VD	Volga-Dnepr	23 VDA2677/2868
TC-ACG	B747-481(F)	Saudia	SVA3923/4
23. ET-ARJ	B777-F60	Ethiopian Airlines	ETH3508
LX-OCV	B747-4R7F	Cargolux	CLX7656
24. OM-GTG	B737-84P	Corendon Airlines	f/v CAI022
25. CS-PHM	EMB505	NetJets Europe	NJE8LD
26. D-BLUE	Falcon 2000LX	ACM Air Charter	BVR222
OO-ACC	Ce525A	Air Service Liège	
TC-ACF	B747-481(F)	Saudia	SVA3911/2
27. 4K-SW008	B747-4R7F	Silk Way West Airlines	28 AZG258/9
9H-QAB	B737-800	Malta Air	f/v RYR3SB/6ZH
CS-LTF	Ce680A	NetJets Europe	NJE890A/145G
PH-CJM	Ce680	ASL	28
28. PH-CJM	Ce680	ASL	arr
PH-DWS	ERJ135LR	Air Charters Europe	03 JNL577/370
29. D-IEKU	Ce525A	Excellent Air	30 ECA2C
TC-ACF	B747-481(F)	Saudia	SVA3923/4
30. 4K-SW888	B747-4R7F	Silk Way West Airlines	AZG250/9531
9H-QAI	B737-800	Malta Air	f/v RYR3SB/6ZH
OO-ACC	Ce525A	Air Service Liège	
OO-GEE	PC-12/47E	Blue Sky Aviation	arr
31. D-IEMO	Raytheon 390	Pro Jet	
HA-LWX	A320-232	Wizz Air	div WZZ1071/8301
OO-PCN	PC-12/47E	European Aircraft Private Club	

A Widerøe Dash-8 departed after maintenance on the 1st. An Airbus change at MAAS on the 2nd with a freshly painted bus in Indigo colours departing back to Germany and another arriving for painting in Air China colours. On that same day a nordica Canadairjet arrived for maintenance. This aircraft carries additional LOT titles. All Wizz aircraft on the 3rd were Eindhoven diversions. The Beech was a Liège diversion. A Cargolux diversion from Amsterdam on the 5th and three Wizz Air diversions from Eindhoven on that same day. Two former Thomas Cook Airlines aircraft were ferried to Maas-tricht for a repaint with the first arriving on the 6th and the second one arriving on the 16th. Swiss changed aircraft at SAMCO on the 9th. On that same day TUI Belgium and Danish Air Transport both operated a charter for KRC Genk. Both charters returned two days later. On the 12th another GTLK A220 arrived for storage. Aeroflot sent an Airbus for a repaint to MAAS on the 16th. On the 18th a LGW Dash-8 arrived for painting. The departing Cessna on the 19th had been with Cyclone Holland for maintenance. The month ended with a Wizz Air diversion from Eindhoven.

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

Groningen - Eelde

			December 2019
04. OO-ACO	Ce510	Air Service Liège	05
05. D-CNNN	Ce560XLS+	DC Aviation	DCS705
OO-ACO	Ce510	Air Service Liège	06
06. OO-ACO	Ce510	Air Service Liège	18
10. N94AD	SF50	Petrowest Services	arr
11. N900FH	TBM-900	HTG Trading	arr
OO-JCV	PC-12/47E	NextGen Aviation	
PH-BQD	B777-206ER	KLM	*KLM9851
PH-TWN	P2006T	Zelf Vliegen	
SP-TBM	TBM-930	PLEK2	17
12. PH-BQA	B777-206ER	KLM	*KLM9851
13. 2-NGUS	DA42NG	Twinstarhire	14
SE-LVO	DA42	Svensk Pilotutbildning	
15. OY-NPD	SA227DC	North Flying	NFA137P/137
16. Q-04	AH-64D	301sq	*Redskin13 form.
Q-26	AH-64D	301sq	*Redskin13 form.
17. PH-MMT	EC135P2+	ANWB - MAA	dep
18. M-OUNT	Falcon 7X	Abelia	
OO-ACO	Ce510	Air Service Liège	21
19. HB-LUA	P68C	Swiss Flight Services	
21. D-CRON	Ce560XLS	Silver Cloud Air	SCR762
OE-FAF	Ce525A	Smartline	
PH-LAU	Falcon 900EX	Exxaero	XRO619
SE-MIM	DA42	Svensk Pilotutbildning	
22. D-COLO	Ce525C	Jetkontor	2x JKH32C
D-CRON	Ce560XLS	Silver Cloud Air	24 SCR762
N124MR	SF50		dep
OO-ACO	Ce510	Air Service Liège	14
23. L-02	PC-7	131EMVOsq	
L-07	PC-7	131EMVOsq	
CS-CHC	CL-350	NetJets Europe	NJE7UH
27. D-ICEE	Ce525	Spree Flug Luffahrt	
28. D-ILOU	Ce525A	Sylt Air	AWU128A
OE-FAF	Ce525A	Smartline	
30. D-ICEE	Ce525	Spree Flug Luffahrt	

The KLM operated two training flights this month. On the 17th the former resident lifeliner departed to Germany. It has been replaced by PH-DOC.

Credit: GEAS, FlyGRQ.

Deventer-Teuge

			December 2019
02. D-FIBE	PC-6/B2-H4	KIAS Airlines	20
PH-TTR	H135	ANWB - MAA	Lifeline1
04. M-BETS	RC695A	Aldersey Aviation	dep
05. PH-SWN	Ce414A	PARC Air	dep
09. PH-HCC	Cabri G2	HeliCentre	
10. M-BETS	RC695A	Aldersey Aviation	12
12. PH-SWN	Ce414A	PARC Air	23
13. N2648X	Ce501	T.S. Aviation	14



Pilatus PC-12 OY-THP was delivered to Blackbird Air Charter in January 2019. The company provided the Pilatus PC-12 as support aircraft following Silver Spitfire G-IRTY on its flight around the world. The aircraft carried technicians and extra crews for the Silver Spitfire. Both aircraft took off on 5 August 2019 from Goodwood Aerodrome and returned to Goodwood Aerodrome on 5 December after flying around the world. (Lelystad, 4 December 2019, Richard Poeser)

20.1x	F-16BM	10w	*	18.PH-TTR	H135	ANWB – MAA	Lifeline1
J-514	F-16AM	312/313sq	*Sting01	19.OO-SAF	R44	R. van Oostveldt	
D-CSOS	Lj45	Jetcall	JCL1	PH-RVS	P68B	Slagboom & Peeters Aerial Surveys	
LX-MOW	G650	Global Jet Luxembourg	SVW68MW	PH-TTR	H135	ANWB – MAA	Lifeline1
OO-XLS	Ce560XLS+	Air Service Liège					
PH-HWM	CL-605	ASL	27				
21.OE-FGI	Ce525	Salzburg Jet Aviation	SOW2				
SP-KCS	Ce560XLS	Jet Story					
24.FB22	F-16BM	2w	*BAF225				
PH-CGC	Do228-212	Kustwacht	*NCG03				
PH-FJK	Ce525B	JetNetherlands	28				
YU-BST	Ce525	Eagle Express	25 EES200				
25.D-IAAW	EMB500	Arcus Aviation	AZE29WQ/1WQ				
26.9H-YOU	CL-850	Air X Charter	AXG2506/601				
27.OO-PKX	Ce750	Air Service Liège	arr	<u>S-440</u>	AS532U2	300sq	dep NAF03
PH-HWM	CL-605	ASL	arr	PH-HCC	Cabri G2	HeliCentre	
29.PH-FJK	Ce525B	JetNetherlands	arr				
30.OO-XLS	Ce560XLS+	Air Service Liège					

Eindhoven hosted a flock of nine Volkel based F-16s during the first and second week of December. They performed various flights during their deployment, flying as Anvil, Metal, Snake, Tiger, Epic, Crack, Bulldog and Fist-flights. On 12 December three to five F-16AMs took their night flying training towards Germany, near Ramstein and Koblenz. For their football game against PSV Eindhoven Rosenborg Ballklub used Widerøe as their preferred airline mid December. The new Embraer was used to transport the team to Holland.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

Hilversum

November 2019			
02.PH-HVB	EC135T2+	ANWB - MAA	2x Lifeline1
12.OO-HCY	R44	Heli & Co	
PH-HCD	Cabri G2	HeliCentre	
15.PH-KTM	R44	HeliAir	tst
17.PH-HVB	EC135T2+	ANWB - MAA	Lifeline1
21.Q-04	AH-64D	301sq	*Redskin13
22.PH-HVB	EC135T2+	ANWB - MAA	Lifeline1
29.PH-HGB	R44	HeliAir	
30.PH-WRW	EC120B	Heli Holland Holding	
December 2019			
01.PH-TTR	H135	ANWB – MAA	Lifeline1
02.PH-TTR	H135	ANWB – MAA	Lifeline1
03.OO-HCA	R44	Heli & Co	
04.PH-PDK	EC120B	HeliFlights	f/v
09.OO-HEY	R44	MMR-Group	
PH-TTR	H135	ANWB – MAA	Lifeline1
10.PH-ENK	R44	Bear Helicopters	
PH-TTR	H135	ANWB – MAA	Lifeline1
16.PH-WRW	EC120B	Heli Holland Holding	

Credits: Kees van Aggelen, Ernesto Bauer, Vliegveld Hilversum (Facebook), Scramble MB.

Gilze-Rijen

December 2019			
02.PH-HCE	R66	HeliCentre	
09.F-009	F-35A	322sq	*Pain11
10.L-08	PC-7	131EMVOsq	*Diamond15
<u>S-440</u>	AS532U2	300sq	dep NAF03
PH-HCC	Cabri G2	HeliCentre	

Gilze-Rijen has its first visit of the F-35A on 9 December 2019. The Cougar was heading for Germany and both HeliCentre helicopters, the Robinson R66 and Guimbal Cabri G2, visited the airbase in order to educate future helicopter pilots.

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

De Kooy

December 2019			
03.F-009	F-35A	322sq	*Pain11

The offshore helicopter market collapsed over the past months, causing severe decrease in flight activities at Den Helder. CHC, Bristow, Dancopter and NHV scaled down their operations and by the time you read this Scramble they also stopped flying from Den Helder.

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

Leeuwarden

December 2019			
02.0454	C295M	242.TSL	CEF6021
16.D-103	CH-47D	298sq	Titan1
D-665	CH-47D	298sq	Titan2
F-010	F-35A	322sq	del NAF322
N-326	NH90-NFH	860sq (spec mks)	*Neptune15
Q-04	AH-64DN	301sq	Redskin13
Q-26	AH-64DN	301sq	Redskin14

On 16 December 2019 Leeuwarden received their second based F-35A from Italy. F-010 is joining F-009 at 322sq and the unit expects at least 4 more Lightning IIs to be delivered in 2020.

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

Lelystad

December 2019			
02.G-IRTY	Spitfire Mk LF IX	Boulton Flight Academy	05
OY-THP	PC-12/47E	Blackbird Air Charter	05
03.PH-MBO	DA62	M. Boers	
SE-LTR	Fokker 50	Amapola Flyg	dep
06.OY-TWO	PC-24	Blackbird Air Charter	
10.PH-ELP	EC135T2	ANWB - MAA	dep
PH-HVB	EC135T2+	ANWB - MAA	arr
12.PH-SLE	Beech B200	Slagboom & Peeters	dep
16.Q-04	AH-64D	301sq	*Redskin13 form.
Q-26	AH-64D	301sq	*Redskin13 form.
OO-SAF	R44	Rudi Van Oostveldt	
OY-GFS	Falcon 2000LXS	Air Alsie	18 MMD4757
17.N2006M	Ce525B	Metinvest Holding	
PH-HOW	H145	RAV Fryslân – MAA	
19.HB-LUA	P68C	Swiss Flight Services	arr
PH-TTR	H135	ANWB – MAA	dep Lifeline01
20.OO-JWB	PC-12/47E	NextGen Aviation	
30.PH-KFB	DA42	KLM Flight Academy	
PH-VCC	DA62	Cav-Okay	

The Spitfire on the 2nd made a stop on its way back to the UK after a round-the-world trip. The Pilatus acted as support aircraft. On the 3rd a Fokker 50 departed after work by SATYS. The Beech on the 12th also departed after work by SATYS.

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

Volkel

December 2019			
06.10-23011	UH-60M	A/1-214th AVN	13 Duke20
09.Q-05	AH-64DN	301sq	10 Redskin11/13
Q-18	AH-64DN	301sq	12 Redskin12
Q-23	AH-64DN	301sq	12 Redskin13
10-0220	C-17A	62nd AW	10 RCH276
10.Q-09	AH-64DN	301sq	12 Redskin13/11
12.10-0220	C-17A	62nd AW	RCH276
17.J-512	F-16AM	313sq	dep King21
20.84-0126	C-21A	76th AS	Falcon45

The US Army Europe Blackhawk spend some time at Volkel during the first and second week of December. On to various night stoppers in the shape of Dutch Apaches and a McChord C-17A. The F-16AM on 17 December was departing for SABCA Charleroi to receive base maintenance.

Credits: SGVolkel Message Board, Scramble MB.

Woensdrecht

December 2019			
02.J-015	F-16AM	312/313sq	*Bonzo
J-508	F-16AM	312/313sq	*Bonzo
PH-XRY	B737-7K2	Transavia	09 TRA051/052
PH-HXC	B737-8K2	Transavia	dep TRA052
05.S-440	AS532U2	300sq	Wildcat05
06.D-667	CH-47D	298sq	*Corona1



Nesma Airlines took delivery of ATR 72 HZ-MHH in March 2016. It was ferried to Woensdrecht where it arrived on 11 December 2019 apparently for storage. Ralph Hamaker was able to capture the aircraft shortly after its arrival.

09.D-663	CH-47D	298sq	*Grizzly17
EC-JQG	A330-202	GECAS (AEA c/s)	dep AEA007
G-NIKO	A321-211	SAP Meridian Aviation	arr
PH-XRD	B737-7K2	Transavia	13 TRA053/058
10.PH-CGN	Do228-212	Kustwacht	*NCG01
11.PH-CGC	Do228-212	Kustwacht	NCG03
HZ-MHH	ATR72-212A	Nesma Airlines	arr NSS9041
13.VP-CXZ	A320-214	flyNas	arr KNE4001
VP-BBD	B737-8AL	SmartAvia	dep AUL9206
16.PH-PXE	EC135P2+	Nationale Politie	ZXP05
17.PH-KMR	GA-8	St. Hoogvliegers	*
19.J-197	F-16AM	312/313sq	*Crack01
N-233	NH90-NFH	860sq	arr Neptune11
20.N642AC	A320-214	ACG (AUA c/s)	tst
VP-CXY	A320-214	flyNas	arr KNE4009

Woensdrecht traffic highlights for December 2019 contain a former Air Europe A330 returning to the lessor. The Saudi Nesma Airlines ATR72 is not commonly seen in this region while two former flynas A320s arrived for storage at Fokker Aircraft Services. A former Ukraine International B737 departed in full SmartAvia colours.

Credits: Johan Havelaar, Scramble MB.

Texel

December 2019			
03.PH-DKI	P68C	Zeeland Air	
PH-PXY	AW139	Nationale Politie	NCG04
04.PH-DKI	P68C	Zeeland Air	
09.PH-AVW	R44	A. F. C. van Westerop	
10.L-04	PC-7	131EMVOsq	Diamond11
L-13	PC-7	131EMVOsq	Diamond03
11.D-HANS	R44	Heli & Co	
12.PH-ECD	EC120B	Heli Holland Holding	
PH-WRW	EC120B	Heli Holland Holding	
17.PH-ACI	CeT303	AIS Flight Academy	
18.D-667	CH-47D	298sq	Titan7
D-HOAE	H145	Wiking Helikopter Service	WHS2AE
PH-DKI	P68C	Zeeland Air	
PH-ECE	EC120B	Heli Holland Holding	
28.PH-PXY	AW139	Nationale Politie	ZXP25
29.PH-AVW	R44	A. F. C. van Westerop	
30.PH-HCD	Cabri G2	HeliCentre	
31.PH-CGC	Do228-212	Kustwacht	*NCG01

Credit: Texel Airport.

Twente

December 2019			
04.CS-DXX	Ce560XLS	NetJets Europe	NJE823R/616A
10.CS-DXI	Ce560XLS	NetJets Europe	NJE181A/069P
16.PH-HGT	Ce680+	Exxaero	XRO714

Credit: EHTW spotters.

Flamingo (Bonaire, Dutch Caribbean)

December 2019			
01.HK-5013	EMB120RT	SARPA	

N389KA	Lj35A	Fundashon Mariadal	31	N8030F	30	N9025B	16
N5324J	Ce340A		31	N9002U	13	N12028	27
02.HK-2338-G	PA-44-180		07	N9004F	07, 11	N90024	21
PH-DCG	AW139	DCCG		<u>Aruba Airlines:</u>			
04.N31ZV	Lj31A	EZAir International	31	C-FEYG	07, 15, 17, 29		
06.HI1007	Beech 1900D	Sky High Aviation		P4-CRA	01, 03, 05, 08, 10, 12, 14, 21, 22, 24, 26, 28		
HK-5139	B737-476(F)	AerCaribe		<u>Delta:</u>			
PJ-IKA	PA-31-325			N371DA	24	N3744F	30
07.HK-5013	EMB120RT	SARPA	08	N373DA	22	N3753	23
N192LW	P180	Regal Air Tools	15	N392DA	27	N3767	31
08.PH-DCG	AW139	DCCG		N550NW	14	N3768	29
09.N131AJ	Lj35A	Reva		N685DA	28	N6711M	07
10.HI1007	Beech 1900D	Sky High Aviation		N723TW	21		
OO-JNL	B767-304ER	TUI Belgium	TFL366	<u>Sunwing:</u>			
11.HK-5255	Lj45	SARPA		C-FIUM	15	C-GWVB	22
13.HI1007	Beech 1900D	Sky High Aviation		C-GLZX	29		
N2333K	CeU206G			<u>TUI Airlines:</u>			
N691ES	Ce560 Ultra	Aitheras Aviation Group	f/v 15	PH-OYI	13	PH-TFL	03, 07, 24, 28
14.HK-5329	ERJ145LR	SARPA	22	PH-TFK	14, 21, 27	PH-TFM	06, 20
TG-MYS	Lj31A			<u>United:</u>			
17.HI1053	ERJ145ER	Sky High Aviation	TFL366	N12221	14 ²	N39297	28
OO-JNL	B767-304ER	TUI Belgium		N26210	21 ²	N61887	07
18.PR-BVB	IAI1124A	Brasil Vida Taxi Aereo		N27421	01	N75429	14
19.PH-DCG	AW139	DCCG		N33292	21	N78511	28 ²
YV3203	Beech 90		20	N37263	07		
20.HI1052	ERJ145ER	Sky High Aviation		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.			
XA-FLA	EMB505	Servicios Aereos Across		Not a bad month with increased Delta traffic during Christmas and the return of the seasonal Sunwing flights. Air Antilles Express keeps on operating the scheduled service on behalf of Winair to St Maarten via Curacao and Sky High the scheduled service to Santo Domingo for the growing Dominican population on the island of Bonaire. Aer Caribe visited on the 6th and apparently it is not a transfer flower transporter but it brings regular other supplies to the island. TUI came with different equipment on the 10th and 17th. Highlight was the 14th with a great Learjet and a new SARPA aircraft type. Another great visitor on the 18th for fuel but unfortunately in the middle of the night.			
21.HK-5329	ERJ145LR	SARPA	22	<u>Credit:</u> Danny de Kiewit.			
N777SJ	Falcon 7X	Jon L. Stryker	31				
PP-BBV	Lj31A	Brasil Vida Taxi Aereo					
YV3100	PA-31T1						
22.N604BK	Lj60	Craig Air Center					
23.N876RA	Ce560XL	Parminter Investments	24				
24.HI1053	ERJ145ER	Sky High Aviation					
27.HI1053	ERJ145ER	Sky High Aviation					
30.N777YY	Lj60	Aerotruster Services Corp.					

Air Antilles Express:F-OIXD 02², 04², 09², 11², 14², 16², 22², 24², 26², 28², 30²F-OIXE 03², 05², 07², 10², 12², 18²F-OIXH 01², 06², 13², 15², 17², 19², 20², 21², 23², 25², 27², 29²F-OIXO 01, 08²American:

N721UW 09

N9006 06

N3014R 14

N9016 04

N4032T 28

N9019F 02

N5007E 23

N9022G 20



'Lifeline 4' EC135P2+ PH-MMT was officially replaced by H135 PH-DOC on 16 December 2019. The next day the Eurocopter took off from Groningen - Eelde airport for the last time. At that moment it was caught on camera by Simen Dorschman. After a last fly-by over the tower it continued to Bonn/Hangelar airport.

Movements Belgium



Global Airlift Solutions took delivery of this PC-12 in April 2019. The Pilatus has been converted from a VIP to a Cargo aircraft. OH-ZRH entered service on 16 September 2019 and seems to be based at Luxembourg. (Antwerp, 4 December 2019, Walter Van Brempt)

Antwerp

December 2019			
01. OK-PCC	PC-12/47E	T-Air	02
OO-AEV	R44	AEV Telecom bvba	f/v
OO-DTE	EC120B	Heliventure FTO	02
OO-IDE	Ce525	Air Service Liège	08
02. CS-LTK	Ce680A	NetJets Europe	03
HB-IGV	Falcon 50EX	VF International	03
HB-PSH	PA-46-500TP	Bear Hirt	f/v 03
M-ARTY	PC-12/47E	Creston (UK)	
N9190X	PA-46-350P	Gill Air	
03. D-CBEN	Ce560XLS+	A. Würth	
D-FAST	Ce208	Business Wings	04
D-IFFF	CeF406	Air Taxi Europe	04
F-WWQA	Falcon 8X	Dassault Aviation	f/v 05
N9190X	PA-46-350P	Gill Air	
OH-ZRH	PC-12/47E	Global Airlift Solutions	f/v 04
OO-GEE	PC-12/47E	Blue Sky Aviation	09
OO-NEY	EMB545	Air Service Liège	
04. CS-PHH	EMB505	NetJets Europe	05
D-BOBI	Falcon 2000LX	BASF	
D-HGVB	R44	Rotavisie	06
F-WWQA	Falcon 8X	Dassault Aviation	tst
N321CR	PA-46-350P	CS Air	06
OK-KUK	Ce510	Aeropartner	
OO-NEY	EMB545	Air Service Liège	
OO-PCK	PC-12/47E	EAPC	
05. CS-DXV	Ce560XLS	NetJets Europe	
CS-PHH	EMB505	NetJets Europe	06
06. D-IAAW	EMB500	Arcus Air	
ES-NSA	Saab 340B	Nyx Air	11
OE-HCA	CL-300	Avag Air	
OK-AST	Ce560XL	Air Bohemia	
PH-DAM	P180	JetNetherlands	
YU-PCC	Ce560XLS+	Air Pink	f/v
07. N648KM	DA42	Silky Products	
OO-PCK	PC-12/47E	EAPC	
YU-FNR	Ce525	Eagle Express	
08. D-CAWN	Ce680A	Aerowest Flugcharter	f/v
I-ARFX	ERJ135BJ	Sirio	
OK-PCC	PC-12/47E	T-Air	
OO-IDE	Ce525	Air Service Liège	11
OO-PCM	PC-12/47E	EAPC	
09. G-BBXK	PA-34-200	Air ADS	f/v
PH-CJM	Ce680	ASL	14
PH-KFB	DA42NG	KLM Flight Academy	
10. ST-46	SF260D	CC Air	
D-IEAH	Beech C90A	Fuchs & Partner	
OE-FZD	Ce510	GlobeAir	
OK-OKV	PA-42-720	Air Bohemia	
OO-PCN	PC-12/47E	EAPC	
PH-CTH	Falcon 2000LX	Exxaero	
11. CS-LTH	Ce680A	NetJets Europe	
D-ITTT	CeF406	Air Taxi Europe	13
F-GUPM	DA42	Aeroplano	
M-ARTY	PC-12/47E	Creston (UK)	
OO-IDE	Ce525	Air Service Liège	12
OO-NEY	EMB545	Air Service Liège	
PH-KFB	DA42NG	KLM Flight Academy	
PH-TXA	Ce510	ASL	13
12. ST-42	SF260D	CC Air	
M-ARTY	PC-12/47E	Creston (UK)	
OO-ACC	Ce525A	Air Service Liège	13
OO-EUR	Ce525	Air Service Liège	f/v
PH-MFA	DA42NG	Martinair Lelystad	
PH-TXA	Ce510	ASL	tst
13. D-IAAB	EMB500	Arcus Air	14
D-ICEE	Ce525	Spree Flug Luftfahrt	14
D-IPPY	P180	Airgo Flugservice	f/v
F-GUPM	DA42	Aeroplano	
M-ARTY	PC-12/47E	Creston (UK)	
OO-EUR	Ce525	Air Service Liège	
PH-LAU	Falcon 900EX	Exxaero	14
PH-TXA	Ce510	ASL	
14. CS-LTA	Ce680A	NetJets Europe	
CS-LTI	Ce680A	NetJets Europe	
HA-JEO	Ce650	Jet-Stream	f/v 15
OK-KIN	Ce525B	Aeropartner	15
OO-ACC	Ce525A	Air Service Liège	
PH-LAU	Falcon 900EX	Exxaero	15
PH-TXA	Ce510	ASL	15
15. HB-VPO	EMB505	Air Glaciers	
OO-IDE	Ce525	Air Service Liège	28
OO-JAS	B737-7K5	TUI Belgium	f/v
OO-STR	AS350B3	Stephex Stables	
PH-LAU	Falcon 900EX	Exxaero	
PH-TCN	P180	JetNetherlands	
PH-TXA	Ce510	ASL	16
16. HB-IGV	Falcon 50EX	VF International	
M-ARTY	PC-12/47E	Creston (UK)	
M-IFFY	Ce510	Xead Aviation	19
OO-PCI	PC-12/47E	EAPC	2x
PH-PXE	EC135P2+	Politie	f/v
PH-TXA	Ce510	ASL	17
17. D-BETI	Falcon 50EX	A. Würth	
D-ICBA	Ce525A	Proair Aviation	
LX-EBE	Ce560XLS+	Flying Group	arr
M-ARTY	PC-12/47E	Creston (UK)	
OK-PCC	PC-12/47E	T-Air	18
PH-CJM	Ce680	ASL	19
PH-JRN	TBM-900	Dokvast	
SE-DJG	ERJ135BJ	European Flight Service	18
18. M-PIRA	ERJ135BJ	Execujet Europe	f/v 19
PH-TXA	Ce510	ASL	19
19. 9H-CFB	PC-24	Nextgen Aviation (Malta)	del

CS-LTE	Ce680A	NetJets Europe	
D-CBEN	Ce560XLS+	A. Würth	
M-ARTY	PC-12/47E	Creston (UK)	
OO-JDB	PA-46R-350T	Juri	
PH-LAU	Falcon 900EX	Exxaero	21
PH-TXA	Ce510	ASL	20
20.D-CAWU	Ce560XLS	A. Würth	
D-FCRA	PA-46-500TP	Alpha2Bravo	f/v
PH-CJM	Ce680	ASL	21
PH-TXA	Ce510	ASL	26
21.9H-VJF	Global 6000	VistaJet	
9H-WIT	PC-12/47E	NextGen Aviation	f/v 29
OO-HEY	R44	MMR Group	26
OO-NEY	EMB545	Air Service Liège	
22.9H-LEO	Ce550	Premium Aviation and Handling	f/v
D-CHLR	EMB505	Atlas Air Service	23
OM-FLY	Ce560XLS+	Elite Jet	dep
23.D-CPRS	Beech B300	Starwings	
OO-PCK	PC-12/47E	EAPC	
OO-STR	AS350B3	Stephex Stables	
PH-CTH	Falcon 2000LX	Exxaero	
PH-WIS	Ce525C	KNSF Flight Services	f/v
24.CS-LTG	Ce680A	NetJets Europe	25
OO-ACC	Ce525A	Air Service Liège	26
25.9H-VCJ	CL-350	VistaJet	
OO-PCI	PC-12/47E	EAPC	26
OO-STR	AS350B3	Stephex Stables	
26.D-CEFE	Ce525C	E-Aviation	
M-ARTY	PC-12/47E	Creston (UK)	
OO-HEY	R44	MMR Group	30
PH-TXA	Ce510	ASL	28
YU-SCJ	Ce525	Prince Aviation	
27.LX-JFA	PC-12/47E	Jetfly Aviation	29
M-IFFY	Ce510	Xead Aviation	28
OO-PCK	PC-12/47E	EAPC	
PH-LAU	Falcon 900EX	Exxaero	28
PH-TXA	Ce510	ASL	tst
28.D-CSCB	Ce560XLS+	Silver Cloud Air	29
OO-IDE	Ce525	Air Service Liège	03
30.OO-ACC	Ce525A	Air Service Liège	04
OO-HEY	R44	MMR Group	
OO-STR	AS350B3	Stephex Stables	
31.D-CFTG	Lj35A	Quick Air Service	
YU-MTU	Ce525	Infinity Aviation	01

The prototype of the Falcon 8X arrived on the 3rd to carry out tests for the enhanced flight vision system (EFVS) as part of a European project for the development of regional airports. The Flying Group Cessna arriving on the 17th was delivered to Elite Jet in Slovakia on the 22nd. Although unconfirmed it has been reported that the ERJ135 on the 18th will be operated by JetNetherlands in the future. Nextgen Aviation took delivery of a PC-24 on the 19th.

Credits: ASA Belgium vzw, Luchtzak.be forum.

Brussels

			December 2019
01.CS-GLG	Global 6000	NetJets Europe	02 NJE636H/772Y
ET-AXK	B787-9	Ethiopian Airlines	f/v ETH728/9
N344AN	B767-323ER	American Airlines	div AAL204
02.FA89	F-16AM		2w *
FA101	F-16AM		2w *
FA121	F-16AM		2w *
FB22	F-16BM		2w *
CS-TQP	A330-202	Hi Fly (a/w)	dep BAF631
D-CSCA	Ce525B	Silver Cloud Air	SCR378
LX-PCA	PC-24	Jetfly Aviation	03 JFA46D/92C
03.MM62209	A319-115X	306° Gruppo TS	arr IAM3174
CS-TQP	A330-202	Hi Fly (a/w)	04 BAF631/HFT371P
G-POWV	A321-211	Titan Airways	AWC401Y/011
PR-DNZ	Falcon 7X	Pão de Açúcar Indústria	06
04.14+02	Global 5000	FBS BMVg	
14+05	Global 5000	FBS BMVg	
0110	B737-86X	1.BLTr	PLF104
T.18-2/45-41	Falcon 900B	451 Esc	arr
A40-AE	G550	Government of Oman	dep ORF4
CN-SRL	Ce650	Sarah Airways	dep
CS-DLB	Falcon 2000EX	NetJets Europe	NJE610W/966B
D-ICMK	Beech C90GTi	Kapp Werkzeugmaschinenfabrik	05
D-IMAH	Ce525A	Mahle	dep
F-HTLS	EMB500	PH Occitanie	
G-POWV	A321-211	Titan Airways	AWC12C/401W
HB-FXC	PC-12/47E	TAG Aviation	arr
HB-JSG	CL-605	Robert Bosch	3x
HB-VPO	EMB505	Enjoy Air	SPG215/074
LX-PCA	PC-24	Jetfly Aviation	05 JFA93B/60E
LX-SEB	Ce525B	Jetfly Aviation	06 JFA69D/18G
OE-FWF	Ce510	GlobeAir	GAC765N/150D
OE-FWF	Ce510	GlobeAir	05 GAC150E/794B
OH-WIC	CL-604	Jetflite	dep
05.165833	C-40A	VR-59	06
A40-AA	A320-232X	Government of Oman	06 ORF5
A40-AJ	A319-115X	Government of Oman	ORF6
D-CHMD	EMB505	Herrenknecht	06
D-CSCA	Ce525B	Silver Cloud Air	06 SCR378
D-FNJP	PC-12/47E	Air Alliance Express	06
HB-JSG	CL-605	Robert Bosch	
HB-VPO	EMB505	Enjoy Air	SPG170
LX-PCA	PC-24	Jetfly Aviation	JFA62B/21D
SU-GCE	A330-243(F)	EgyptAir Cargo	div MSR546
T7-MND	Ce525	Jetpass Aviation Sion	06
06.525	C-130J-30	Royal Flight Oman	
9H-LGM	EMB500	Aviogreen	arr
CS-CHC	CL-350	NetJets Europe	NJE439C/257K
D-CAPO	Lj35A	Jet Executive Int'l Charter	JEI454
D-CSCE	EMB505	Luxaviation Germany	
EC-LZX	A330-302E	Iberia	IBE3206/3
LX-JFC	PC-12/47E	Jetfly Aviation	JFA84D/74G
LX-JFE	PC-12/47E	Jetfly Aviation	- /JFA85F
OE-FOG	Ce510	GlobeAir	



NextGen Aviation took delivery of a new fleet addition and Walter Van Brempt was at the right spot to photograph PC-24 9H-CFB. The Pilatus made a stop at Rotterdam probably for customs reasons before it continued to Antwerp.



One of only a handful of active Boeing 747SP aircraft visited Brussels in December. Unfortunately the reason was not so good. Its owner was ill and needed treatment. A4O-SO is being operated by the Government of Oman, in this case in support of the Sultan of Oman. The aircraft departed to Hamburg on the day this photo was taken apparently for maintenance. (Brussels, 9 December 2019, Jonas Evrard)

OE-FZA	Ce510	GlobeAir	07 GAC28P/100L	F-HAHA	Ce510	Ixair	IXR111A
07. I-GURU	Lj40	Avionord	08 VND4301/2	F-HSHC	Ce525 (M2)	Ixair	
08.14+07	Global 5000	FBS BMVg	f/v	LX-PCC	PC-24	Jetfly Aviation	12 JFA86E/82A
MM62244	Falcon 900EX	93° Gruppo TS	09	M-OCOM	CL-604	Shino Aviation	
9H-VCN	CL-350	VistaJet Malta	VJT437	N200LX	Falcon 2000LXS	Jetstream Aviation	13
A4O-AA	A320-232X	Government of Oman	09 ORF5	OY-JZM	B737-8K5	JetTime	dep
A4O-AD	G550	Government of Oman	arr ORF3	PH-STB	Falcon 900C	Exxaero	
A4O-OMN	B747-430	Government of Oman	13 ORF1	Z3-MKD	Lj60	Government of Macedonia	
A4O-SO	B747SP-27	Government of Oman	09 ORF2	12.15005	CC-150	437sq	
LX-NEW	PC-12/47E	Jetfly Aviation	arr	3085	A319-115X	241.dlt	13
LX-PCC	PC-24	Jetfly Aviation	JFA19H/63A	86/F-RAFB	Falcon 7X	ET00.060	13 CTM5
N141QS	Global 6000	NetJets	10	258	Lj45	102sq	13
N194ER	Ce510	Blue Sky Aviation		06	C-27J	Transporto Esk	13
OE-FOG	Ce510	GlobeAir	dep	605	A319-112	MH 59. Sz.D. R	13
OE-LML	Global 6000	Int'l Jet Management	IJM747	678	G-V	352 MMYP	13
09.5105	CL-601-3A	241.dlt	dep	MM62209	A319-115X	306° Gruppo TS	13
14+03	Global 5000	FBS BMVg		MM62227	KC-767A	8° Gruppo	IAM1412
678	G-V	352 MMYP	dep	T.18-1/45-40	Falcon 900B	451 Esc	
024	C295M	8.BLTr (13.el)		9H-ILV	CL-850	VistaJet Malta	13 VJT624
2-RNWL	Ce525 (M2)	Ortac		9H-VFF	CL-605	VistaJet Malta	VJT551
9H-SGI	G450	TAG Aviation Malta	arr	9H-VFH	CL-605	VistaJet Malta	13 VJT1
9H-YOU	CL-850	Air X Charter	AXY912/3	A4O-AD	G550	Government of Oman	13 ORF3
CS-CHH	CL-350	NetJets Europe	NJE742Y/176G	D-AAAY	CL-604	Air Independence	
CS-DXL	Ce560XLS	NetJets Europe		D-AFAN	CL-850	FAI Rent-A-Jet	IFA6192/44
CS-DXV	Ce560XLS	NetJets Europe	arr	D-CGAA	Ce560XLS+	Air Hamburg	AHO438R
CS-PHL	EMB505	NetJets Europe	NJE498K/303T	EC-KTG	A330-202	Air Europa	AEA1173/4
D-BOBI	Falcon 2000LX	BASF		F-GVMI	Global 6000	LVMH Services	dep
D-CASH	EMB505	Air Hamburg	AHO255A/279F	I-GBMP	G550	Alba Servizi	
D-IAAT	EMB500	Arcus Air	AZE411D/42ID	LZ-OOI	Falcon 2000	Government of Bulgaria	13
LX-JFE	PC-12/47E	Jetfly Aviation	JFA74D/ -	OE-GCH	Ce550 Bravo	Speedwings	
N656FN	Falcon 7X	TVPX ARS	arr	OH-WII	CL-604	Jetflite	
OE-FBD	Ce510	GlobeAir	10 GAC557P/913Q	OM-BYA	A319-115X	Government of Slovakia	SSG2
OH-WIC	CL-604	Jetflite	arr	Z3-MKD	Lj60	Government of Macedonia	
SU-GCF	A330-243(F)	EgyptAir Cargo	div MSR520/1	13.17401	Falcon 50	Esq504	
UP-C8502	CL-850	Comlux KZ	dep	L1-01	Falcon 2000EX	Slovenian Air Force	
10.A4O-AE	G550	Government of Oman	arr ORF4	T.18-1/45-40	Falcon 900B	451 Esc	
D-CANG	Ce560XLS+	Air Hamburg	11 AHO464H/369M	02-0202	C-40C	201st AS	arr Boxer44
F-GZTU	B737-73V	ASL Airlines France	tst FPO101T	05-0932	C-40C	73rd AS	16 Spar17
KAF327	KC-130J	41sq	11 KAF327	7T-VJJ	B737-8D6(F)	Air Algérie	DAH2200/1
LX-PCC	PC-24	Jetfly Aviation	11 JFA77H/85M	9H-LGM	EMB500	Aviogreen	
SE-LTV	Saab 2000	SAAB	11 SCT263/ -	CS-LTA	Ce680A	NetJets Europe	NJE650Y/862Y
11.0225	M-28B/PT	8.BLTr (12.el)	dep	CS-TQP	A330-202	Hi Fly (a/w)	14 HFY931/BAF631
L1-01	Falcon 2000EX	Slovenian Air Force		D-CGAA	Ce560XLS+	Air Hamburg	AHO441Y/491Q
102004	Tp102C	TSFE	13	D-CVFA	Ce560XLS+	Viessmann Werke	
9A-CRO	CL-604	Government of Croatia	13	F-HCEV	Beech B200GT	DGAC	
A7-CGB	G650ER	Qatar Executive	QQE835	LX-FLG	PC-12/47E	Jetfly Aviation	f/v dep
CS-DXI	Ce560XLS	NetJets Europe	NJE347A/161M	LX-JFV	PC-12/47E	Jetfly Aviation	
CS-LTD	Ce680A	NetJets Europe	12 NJE792F/399L	LX-NMX	Ce525B	Jetfly Aviation	JFA64L/42D
D-CEEE	Ce56XLS	HTM	dep	OH-WII	CL-604	Jetflite	
D-CHDC	Ce680	Heidelberg Cement	12	OK-FTR	Ce510	CTR Group	
D-CMMP	EMB505	Luxaviation Germany		SP-TAT	Beech 400A	Smart Jet	dep
D-FLAT	PC-12/47E	FlexFly		14.556	A320-214X	4sq	15 MJN516



Withdrawn from use by TUIfly, former D-ATUG was ferried to Shannon for painting. After being painted it was ferried to Brussels in November 2019 before delivery to Jet Time as OY-JZM. Yves Deliens was able to photograph the Boeing 737 on 10 December 2019 at Brussels the day before it was delivered to Copenhagen. The aircraft operated its first service on 24 January 2020.

A40-AE	G550	Government of Oman	15 ORF4	I-NEMO	Falcon 900LX	CAI	CPI171
A6-BLF	B787-9	Ethihad Airways	ETD057/8	LX-JFG	PC-12/47E	Jetfly Aviation	JFA14G/89E
CS-PHC	EMB505	NetJets Europe	15 NJE420Y/548B	LX-PCB	PC-24	Jetfly Aviation	18 JFA88N/15J
EI-HBB	CRJ1000	Iberia Regional	ANE2221/3003	PH-LAU	Falcon 900EX	Exxaero	XRO737/8
F-HRAM	ERJ145LU	Amelia International	AEH441/376F	S5-BSA	Ce550 Bravo	SkyX	
HA-LKG	B737-8CX	Smartwings	TVS2481/0	18. CS-TQP	A330-202	Hi Fly (a/w)	19 BAF631/TSC771
OH-LTP	A330-302E	Finnair	FIN1541/2	LX-WEB	Ce525B	Jetfly Aviation	JFA62A/27B
SU-GEH	B737-800	EgyptAir	MSR725/6	OE-GDF	EMB505	Speedwings	19 SPG244
15. 10-0222	C-17A	437th AW	arr	19. OO-JAV	B737-8K5	TUI Belgium	dep JAF18F
98-0001	C-32A	1st AS	16 SAM594	20. 7T-VJJ	B737-8D6(F)	Air Algérie	DAH2200/1
98-0002	C-32A	1st AS	16 SAM577	F-GZTU	B737-73V	ASL Airlines France	dep FPO16
9K-AKH	A320-214	Kuwait Airways	KAC5511/2	OE-FZA	Ce510	GlobeAir	GAC536V/457P
CS-CHI	CL-350	NetJets Europe	16 NJE543T/077D	21. LX-WEB	Ce525B	Jetfly Aviation	JFA40C/18U
CS-LTA	Ce680A	NetJets Europe	16 NJE862N/582G	22. I-GURU	Lj40	Avionord	24 VND4319/20
CS-TQP	A330-202	Hi Fly (a/w)	16 BAF631	LX-PCA	PC-24	Jetfly Aviation	JFA64A/51Y
D-CASH	EMB505	Air Hamburg	16 AHO215X/262R	23. G-SPRE	Ce550 Bravo	Synergy Aviation	SYG2
F-HCEV	Beech B200GT	DGAC	2x	VQ-BVB	B747-83QF	Silk Way West	AZG7791/2
LX-JFV	PC-12/47E	Jetfly Aviation	arr	24. D-CQAB	Lj45	Quick Air	QAJ1130
LX-WEB	Ce525B	Jetfly Aviation	16 JFA14D/06L	25. 5Y-FDM	Ce56XLS	AMREF	27 FDS3
S5-BSA	Ce550 Bravo	SkyX	16	CS-CHI	CL-350	NetJets Europe	26 NJE788U/869U
16. 15005	CC-150	437sq	17 CFC3311	D-IHKW	Ce525	ProAir Aviation	
900528	C-26D	Naples AOD	arr	D-ILUI	Ce525A	ProAir Aviation	
02-0202	C-40C	201st AS	dep	F-GPGK	Falcon 900	Sky Vision	arr
9K-AKH	A320-214	Kuwait Airways	17 KAC5513/4	26. LX-JFY	PC-12/47E	Jetfly Aviation	dep
D-CNUE	Lj60	FAI Rent-A-Jet	arr	OO-TUK	B737-86J	TUI Belgium	dep JAF17F
ES-PVH	Lj31A	Panaviatic	dep	PH-CTH	Falcon 2000LX	Exxaero	XRO762
F-GGGA	Ce550	Valljet	arr	YU-SVL	Ce560XLS	Prince Aviation	27 PNC1VL
G-OUEG	Global 6000	Catreus	arr	27. 177704	CC-177	429sq	29 CFC4002
I-DIEM	Falcon 900LX	CAI	CPI161	7T-VJJ	B737-8D6(F)	Air Algérie	DAH2200/1
17. 300/F-RACE	DHC-6-300	GAM00.056	arr CTM1123	LX-PCC	PC-24	Jetfly Aviation	JFA60N/65B
MM62209	A319-115X	306° Gruppo TS		28. C-GDRX	Global 6500	Bombardier	
9H-VCL	CL-350	VistaJet Malta	18 VJT418	29. ZH888	Hercules C5	24/47sq	dep
9H-VJS	GLEX	VistaJet Malta	VJT929	G-SMSM	Falcon 2000LXS	Luxaviation UK	arr
CS-LTJ	Ce680A	NetJets Europe	18 NJE138R/856L	PH-TXA	Ce510	JetNetherlands	arr
CS-TQP	A330-202	Hi Fly (a/w)	BAF631	30. 177704	CC-177	429sq	31 CFC4002
D-IHKW	Ce525	ProAir Aviation		CS-LTJ	Ce680A	NetJets Europe	NJE3JF/289K
F-HROG	P180	Oyonnair		31. CS-CHH	CL-350	NetJets Europe	01 NJE887U/654U



The new Global 6500 demonstrator was registered to Bombardier in January 2019. The aircraft made its first flight on 12 September 2019. Paul Sanders photographed the jet at Brussels on 28 December 2019.



Previously with bmi regional this Embraer was acquired by Loganair in March 2019. The ERJ135ER was reregistered to G-SAJU in April 2019. (Brussels, 19 December 2019, Ton Jochems)

OK-OBR	Ce510	Aeropartner	31 DFC2FW
OO-TUV	B737-86J	TUI Belgium	dep JAF17F

American diverted to Brussels on the 1st. On the 2nd a fly-by was carried out by four F-16 fighter jets of the Belgian Air Force to commemorate air traffic controllers from the Defence permanently joining their skyees colleagues on the premises in Steenokkerzeel. Aircraft of the Omani Sultan began to visit Belgium on the 4th to prepare for the arrival of the Sultan of Oman, which arrived on the 8th for medical treatment in Leuven. Five days later he suddenly returned home. Unfortunately Sultan Qaboos passed away on 10 January 2020. The EgyptAir Cargo on the 9th was an Ostend diversion. Former D-ATUG was delivered to Jet Time on the 11th. On the 19th a TUI Boeing departed for lease to Miami Air. On the 26th a second TUI aircraft departed for lease to Miami Air and a third departed on the 31st.

Credits: Luchtzak BEforum, planespotters@BRU Facebook group, Scramble forum.

Kleine Brogel

December 2019			
02.CH11	C-130H	20sq (special c/s)	*
06.RN06	NH90-TTH	18sq	*
10.91-0407/SP	F-16C	480th FS	
91-0418/SP	F-16C	480th FS	
11.CE03	ERJ145LR	21sq	*
ST41	SF260D	CC Air (grey c/s)	*
18.09-9211	C-17A	62nd AW	
19.CH13	C-130H	20sq	*
Q-10	AH-64DN	301sq	*
Q-18	AH-64DN	301sq	*
20.FB22	F-16BM	2w	*
84-0126	C-21A	76th AS	
23.CE01	ERJ135LR	21sq	*
CH11	C-130H	20sq (special c/s)	*
CH13	C-130H	20sq	*
ST26	SF260M+	CC Air	*
ST34	SF260M+	CC Air (Red Devils c/s)	*
ST44	SF260D	CC Air (grey c/s)	*
24.CH13	C-130H	20sq	*
FB22	F-16BM	2w	*

The Spangdahlem F-16s on the 10th diverted to Kleine Brogel because of bad weather at Spangdahlem

Credits: Rik Brebels, Toon Cox, Quinn Loots.

Koksijde

December 2019			
02.FA136	F-16AM	10w	4x *
04.FA102	F-16AM	10w	*
FB17	F-16BM	10w/OCU	*
ST30	SF260M+	CC Air (yellow c/s + spec mks)	3x *
10.FA57	F-16AM	2w (D-day mks)	2x *
FA132	F-16AM	2w	2x *
ST04	SF260M+	CC Air	2x *
11.FA69	F-16AM	10w	*
H27	A109BA	17sq/1w	

16.FA56	F-16AM	10w	*
17.CH12	C-130H	20sq	5x *
18.FA81	F-16AM	10w	*
FA102	F-16AM	10w	2x *
FA124	F-16AM	10w (D-day mks)	2x *
FA136	F-16AM	10w	*
277	AW139	301sq	*
19.FA123	F-16AM	10w	*
FB24	F-16BM	10w/OCU (spec mks)	*
20.FA69	F-16AM	10w	*
23.FA81	F-16AM	10w	*
FA131	F-16AM	10w	*

The Irish Air Corps AW139 returned home after attending maintenance at Liege, where it arrived 26 August 2019.

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

Liège

December 2019			
02.OK-JFA	Beech 400XT	Time Air	TIE859J
03.PH-CJM	Ce680	ASL	05
04.CS-LTM	Ce680A	NetJets Europe	NJE6EQ
F-HITM	Beech 400A	Air ITM	
05.277	AW139	301sq	tst
05.LX-TWO	Lj45XR	Luxembourg Air Amb.	06LRQ819J
07.CS-LTD	Ce680A	NetJets Europe	08 NJE8RJ/977P
EI-FTE	B737-800	Ryanair	div RYR8098/0809
M-ABGV	Lj45XR	Ryanair	
N194ER	Ce510	Blue Sky Aviation	
09.PH-VTK	PC-12/45	VeTeKa	
10.F-GZTU	B737-73V	ASL Airlines France	tst 2x FPO101T
11.F-HCEV	Beech B200GT	DGAC	arr
G-ZAPX	B757-256	Titan Airways	AWC171/417P
LX-DEA	Ce560XLS	Luxaviation	LXA24Y
12.9H-FGV	EMB500	Luxwing	arr
G-ZAPX	B757-256	Titan Airways	AWC404P/172
14.9H-ILV	CL-850	VistaJet Malta	VJT624
16.15+01	A319-133X	FBS BMVg	
M-INTY	G280	Hampshire Aviation	
17.OE-FWF	Ce510	GlobeAir	GAC255U/V
18.277	AW139	301sq	dep IRL277
YL-RAG	Saab 340A(F)	RAF Avia	
20.2-AVLC	B737-86N(F)	Avolon Aerospace	21
24.CS-PHM	EMB505	NetJets Europe	25 NJE248Q/8LD
26.A6-GGP	B747-412F	Government of Dubai	27 DUB8
28.F-GZTT	B737-48E(F)	ASL Airlines France	02 FPO35/37T
29.UR-CJN	An-12B	Cavok Air	arr CVK7016
31.F-GZTJ	B737-4S3(F)	ASL Airlines France	12 FPO19/20
F-GZTO	B737-73V	ASL Airlines France	FPO101T/014

The Ryanair on the 7th was an early morning Beauvais diversion. The Irish helicopter on the 18th departed after maintenance. The Boeing 737 on the 20th was on its way to Brasil on delivery to GOL.

Credits: Luchtzak.be forum, flymst.nl forum

Ostend-Bruges

		December 2019	
01. SP-KPC	Saab 340A	SprintAir	dep CLG807E
02. F-HMAU	EMB500	Lei Moa	
UR-82072	An-124-150M	ADB	dep ADB339F
03. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	
F-HAMG	Ce525A	Jet Invest	04
N458EE	EMB545	Embraer	*
04. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	10
UR-CQV	An-26B	Vulkan Air	05 VKA133/132
06. D-CHZF	Ce550	Tyrol Air Ambulance	TYW212F/3F
D-ICCC	CeF406	Air Taxi Europe	TWG201/100
UR-CQV	An-26B	Vulkan Air	12 VKA131/132
07. G-XATV	CL-300	Arena Aviation	REN05
09. TC-ACM	B747-428F(ER)	Saudia Cargo	10 f/v SVA3044/5
10. EC-HUH	A321-231	Iberia	f/v IBE2800/2801
F-HGLG	Lj75	Ixair	
PH-TXA	Ce510	JetNetherlands	11
TC-MCT	B747-412(F)	Saudia Cargo	f/v SVA3041/2
TF-AMA	B747-45E(F)	Saudia (basic c/s)	f/v SVA3039/3040
11. EC-IXD	A321-231	Iberia	12 f/v IBE2802/3
EI-HBB	CRJ-1000	Air Nostrum	f/v ANE2214/3214
EI-HBB	CRJ-1000	Air Nostrum	12 ANE3022/2215
F-HGLG	Lj75	Ixair	
PH-TXA	Ce510	JetNetherlands	
UR-CQV	B737-4Q8	Jonika	f/v 12 JNK5505/6
13. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	
D-ASBG	Falcon 900EX	Airservices Bremgarten	
ER-BAJ	B747-412(F)	Aerotrans Cargo	14 ATG4474/5
SP-MRB	Saab 340A	Skytaxi	IGA502/504
14. ER-BAJ	B747-412(F)	Aerotrans Cargo	15 ATG4477/8
M-CLAB	CL-300	Shamrock Aviation	dep
UR-82072	An-124-150M	ADB	15 ADB537F/5237
15. 505	C-130J	16sq	16 MJN280
506	C-130J	16sq	16 MJN281
16. EJ-CORE	ERJ135BJ	GainJet Aviation	GJI65R
EZ-S721	S-92A	Turkmenistan Government	
LX-JNC	Global XRS	Luxaviation	LXA21V
17. A40-AA	A320-232X	Government of Oman	ORF5
PH-EUK	AW139	CHC Helicopters	HNL42A
UR-CQV	An-26B	Vulkan Air	VKA133/134
18. D-ASBG	Falcon 900EX	Airservices Bremgarten	
EJ-CORE	ERJ135BJ	GainJet Aviation	19 GJI65R
ES-NSA	Saab 340B(F)	NyxAir	arr NYX158C
19. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	21
A7-BFC	B777-FDZ	Qatar Cargo	f/v QTR8188
D-IBJJ	Ce525A	Air Hamburg	
D-IPCG	Ce425	Aerowest	
20. 4K-AZ101	Il-76TD-90VD	Silk Way Airlines	21 AZQ8820/820F
D-CHRE	Ce680	Hahn Air	21 HHN910/909

21. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	28
OO-PCM	PC-12/47E	EAPC	
OO-SCT	Ce525C	Luxaviation Belgium	AAB580
22. SU-GFC	A220-300	EgyptAir	f/v MSR3330
23. A7-BFC	B777-FDZ	Qatar Cargo	QTR8302
TF-AMI	B747-412(F)	Magma Aviation	26 ABD327/327P
24. F-HBPE	ERJ145LR	Pan Européenne Air	PEA302
OO-SCT	Ce525C	Luxaviation Belgium	AAB580
25. ER-JAI	B747-412(F)	Aerotrans Cargo	27 ATG4482/3
26. D-IPCH	Ce525A	JetKontor	
27. ER-JAI	B747-412(F)	Aerotrans Cargo	28 ATG4484/5
28. 9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	
D-CHRE	Ce680	Hahn Air	HHN909
D-INCS	Ce525	JetKontor	JKH32A
VQ-BDS	G200	Jet Aviation	arr
29. ER-BBJ	B747-412(F)	Aerotrans Cargo	30 ATG6659/60
30. OE-FPP	Ce510	GlobeAir	31 GAC027F/289R
31. OE-FNP	Ce510	GlobeAir	GAC249D/027G
OO-JUK	Falcon 7X	Flying Group	arr FYG23K

EgyptAir Cargo:

SU-GCE	01,02,03 ² ,04,07/08,10,12,17,18,19,20,22,23,26,29,31
SU-GCF	01 (f/v),02,03 ² ,04,06,07,08,09,10,11,12,15 ² ,17,18,19,20,20/21,21,22 ² ,23,24,24/25,25,26,27,28,29 ² ,31
SU-GCJ	01,02,03,06,08 ² ,10,11,12,13,15,15/16,16,17,18,19,20,22,23 ² ,25,26,27,29,30,31 ²

TUI Belgium:

OO-JAA	23,30
OO-JAF	01 ² ,02 ² ,03 ² ,04 ² ,05 ² ,06 ² ,07 ²
OO-JAY	08,08 ² - 19 ² ,21,22,22 ² ,23 ² ,24 ² ,25 ² ,26,26 ² ,27 ² ,28,29 ² ,30 ²
OO-JEB	04 ² ,05 ² ,06,06 ² ,07 ² ,08 ² ,09 ² ,10 ² ,25 ² ,26 ² ,27,27 ² ,28 ² ,29 ² ,30 ²
OO-JVA	01 ² ,02 ² ,03 ² ,11 ² ,12 ² ,13,13 ² -18 ² ,20,20 ² ,21 ² ,22 ² ,23 ² ,24 ²

Ostend saw nicely varied traffic in the final month of 2019. Various first visits, from Turkish B747-400F freighters operating for Saudia Cargo to Qatar Cargo B777Fs, a new EgyptAir Cargo converted A330 freighter and a new A220-300 for the latter on their civilian airline side. Some special visits that stand out in December; the Iberia A321s and Air Nostrum CRJ-1000s brought staff and supporters from Real Madrid to Club Brugge. The Ukrainian Jonika B737 brought Oleksandria to AA Gent. Some nice Russian hardware this month in the shape of Antonov Design Bureau An-124s, Vulkan Air Antonov 26s and Silk Way Il-76TD-90VD. The Omani delegation visited in relation to the former Sultan of Oman receiving medical treats in Leuven. Special media attention focussed on the Aerotrans Cargo visits; these flights are mentioned in regards to weapon transports for Turkish backed militias operating in Libya.

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



The Government of Turkmenistan operates two Sikorsky S-92 helicopters for presidential transport. EZ-S721 was delivered in 2006 and Nik Deblauwe photographed the helicopter at Ostend on 16 December 2019.

Paramaribo-Zanderij 2019 - Part 4



The last built Beech 1900 was photographed by Andrew Muller when it visited Paramaribo on 20 October 2019. 8R-GHU still carries the colours of its previous operator Marsan Family Holdings. Former C-GMFH was delivered to Guyana on 2 March 2019.

Johan Adolf Pengel (Paramaribo, Surinam)

			October 2019	9Y-JMD 08, 29		
01. PZ-HVG	R44	Pegasus Air Services		<u>COPA:</u>		
YV622T	B737-4H6	Turpial Airlines	tdy 06	HP-1373CMP	30	HP-1723CMP 01 ³
03. PZ-TBT	Ce208B	Gum Air		HP-1521CMP	03, 16, 26	HP-1837CMP 09
UR-CNN	An-12B	Cavok Air		HP-1531CMP	19	HP-1850CMP 05
05. F-OIXF	L-410UVP-E	Air Guyane Express		HP-1714CMP	23	HP-1854CMP 12
06. YV621T	B737-4H6	Turpial Airlines	tdy 17	<u>GOL:</u>		
08. PR-CSC	Beech 58	Porto Seguro Incorp. E Empr. Imob.		PR-GGH	05	PR-GTU 12
09. 5397/VE	AS555AN	EH05.067		PR-GGR	02	PR-GUA 19
10. YV622T	B737-4H6	Turpial Airlines		PR-GGY	09	PR-GUI 16
12. HK4891	Lj31A	Fund. Cardiovascular de Colombia		PR-GTC	26	
J8-OCL	Beech 1900B	One Caribbean		<u>NAC:</u>		
PZ-TBH	Ce208B	Gum Air		N379CX	02, 09, 16, 22, 23, 29	
13. OM-HEX	B737-81Q	AirExplore (EDR c/s) arr tdy AXE100P		<u>Stratair:</u>		
PZ-TBS	Ce208B	Gum Air	14	N351CM	01, 08, 15	
14. OO-JNL	B767-300	TUI Belgium TFL301/SLM9942		<u>Trans Guyana Airways:</u>		
PZ-TBN	DHC-6-310	Gum Air		8R-EAR	06, 13, 14	8R-GHU 20, 21
PZ-TVU	Ce206	Gum Air		8R-GAQ	07, 27, 28	
15. HI1052	ERJ145ER	Sky High Aviation		<u>TUI Airlines Netherlands:</u>		
J8-OCL	Beech 1900B	One Caribbean		PH-TFK	07, 21, 28	
16. N32PA	Lj36A	Phoenix Air				
17. 1399/AR	SA330B	EHOM00.068				
PZ-TSK	Ce208B	Blue Wing				
PZ-TSL	Ce208B	Blue Wing				
PZ-TVE	Do328-300	Hi-Jet Helicopters	dep			
18. F-GIJQ	AS350BA	Helicojyp				
19. CS-TFM	B777-212ER	euroAtlantic Airways	20 SLM993/4			
21. CS-TFM	B777-212ER	euroAtlantic	22 SLM993/MMZ3003			
22. H-0402	Bell 407GX	GAH	t/v			
23. F-OHQY	BN-2B-20	Transport Aérien Guyanais				
HI1045	Ce525B	Helidosa				
24. PZ-TBN	DHC-6-310	Gum Air				
25. N212Y	H145	Airbus Helicopters USA				
PZ-HCK	BK177	United Aviation Services				
26. PR-CSC	Beech 58	Porto Seg. Incorp. E Empr. Imob.	27			
27. PZ-TBT	Ce208B	Gum Air				
28. 9H-PGS	A340-642	Maleth-Aero (a/w)	29 SLM993/4			
30. N415JN	MD-11(F)	Western Global (a/w)	WGN819/20			
N441VA	R44	Vortex Aviation				
PZ-HVG	R44	Pegasus Air Services				
31. 9H-PGS	A340-642	Maleth-Aero (a/w)	SLM993/9940			
PZ-HCK	BK177	United Aviation Services				
PZ-TBN	DHC-6-310	Gum Air				
<u>Amerijet International:</u>						
N316CM	04	N743AX	18, 25			
N347CM	11					
<u>Caribbean Airlines:</u>						
9Y-ANU	05, 10, 12, 31	9Y-JME	03, 17, 19, 22			
9Y-BGI	01	9Y-JMF	24			
9Y-JMC	03	9Y-TAB	15, 26			

FlyAllways used B737-400S YV621T and YV622T of Turpial this month for their flights to Santiago de Cuba until the 17th, after which they started using AirExplore OM-HEX in full colours that had arrived on the 13th. The COPA Boeing HP-1723CMP broke down on the 1st and stayed AOG until the 4th. On the 3rd HP-1521CMP just came to bring the technician and spares and left again after an hour. Caribbean 9Y-JMC also broke down and departed back empty to Trinidad on the 3rd, whilst sister-ship JME came to pick up the passengers. A not often seen An-12 on the 3rd too, but unfortunately in the middle of the night, from Sal, Cabo Verde to Aruba. On the 12th and 15th a Beech from St Vincent and the Grenadines on a morning and a midday run, related to a Nations League football match against Suriname. The 14th a B767 on the TUI flight. A long term resident departed for the USA on the 17th. The Dornier 328 has reportedly been sold. Surinam Airways has said goodbye to its sole A340 prematurely this month, due to too costly needed maintenance and awaits its 'new' B777 via Boeing. In the meantime other aircraft are used, like Euro Atlantic from the 19th and Maleth Aero. The Islander on the 23rd came from Cayenne and left to local airfield Zorg en Hoop. It is unknown in which colors. The American heli on the 25th was on delivery to Brazil via Cayenne. The regular freight run to Miami was done by a different aircraft on the 30th. Definitely the best visitor of the month was the Paraguayan Bell on the 22nd on its delivery flight from Georgetown to Cayenne, a nice gift from China.



This ERJ145 was delivered to Sky High Aviation in June 2019. HI1052 has been repainted recently in these new corporate colours. (Paramaribo, 15 October 2019, Andrew Muller)

		November 2019					
01. 9H-PGS	A340-642	Maleth-Aero (a/w)	SLM993/9940	N441VA	R44	Vortex Aviation	
EC-MTY	A330-200	Evelop Airlines	SLM993/4	PZ-HVA	EC145	Vortex Aviation	
N420LW	RC690B	Copper Liberty	04	24. 129/62-IL	CN235M-200	ET01.062	
02. EC-MTY	A330-200	Evelop Airlines	SLM993/4	9H-RWM	Beech B200GT	Air CM Global	
03. EC-MTY	A330-200	Evelop Airlines	SLM993/4	TC-AGD	A330-203	AtlasGlobal	25 KKK6935/6
05. N415JN	MD-11(F)	Western Global (a/w)	WGN2223/4	25. PZ-HVA	EC145	Vortex Aviation	
06. EC-LXA	A330-343E	Evelop Airlines	SLM993/4	26. 129/62-IL	CN235M-200	ET01.062	
HK-4891	Lj31A	Fund. Cardiovascular de Colombia		9H-RWM	Beech B200GT	Guyane Aéro Transport	
N415JN	MD-11(F)	Western Global (a/w)	07 WGN819	27. PZ-HCK	BK177	United Aviation Services	28
YV3464	Ce550		08	PZ-HRA	R44	Pegasus Air Services	28
07. 9H-RWM	Beech B200GT	Guyane Aéro Transport	f/v	SX-RFA	B757-23N	GainJet Aviation	29 GNJ57
PZ-TBH	Ce208B	Gum Air		28. PZ-HDF	R44	Pegasus Air Services	
08. EC-MUA	B777-212ER	Privilege Style	SLM993/4	PZ-TBE	CeU206G	Gum Air	div
09. EC-MUA	B777-212ER	Privilege Style	SLM993/4	PZ-TBH	Ce208B	Gum Air	div
PR-CSC	Beech 58	Porto Seguro Incorp. E Empr. Imob.		PZ-TBN	DHC-6-310	Gum Air	div
10. EC-MUA	B777-212ER	Privilege Style	SLM993/4	<u>Amerijet International:</u>			
11. 1x	CN235M-200	AdIA		N316CM	08-09	N396CM	01, 22
12. N415JN	MD-11(F)	Western Global (a/w)	WGN2223/4	N378CX	15		
13. EC-MUA	B777-212ER	Privilege Style	SLM993/4	<u>Caribbean Airlines:</u>			
N415JN	MD-11(F)	Western Global (a/w)	WGN819/20	9Y-ANU	09	9Y-JMF	30
15. EC-MUA	B777-212ER	Privilege Style	SLM993/4	9Y-GEO	05, 12, 26	9Y-KIN	07, 19
16. 9H-RWM	Beech B200GT	Guyane Aéro Transport		9Y-JMD	16, 21, 28	9Y-SXM	02, 14, 23
17. A7-CGC	G650ER	Qatar Executive	19 QQE303	<u>COPA:</u>			
M-BAEP	CL-605	Swift Cloud Aviation Services	19	HP-1375CMP	02, 16	HP-1840CMP	23
OO-ABA	A340-313E	Air Belgium	SLM993/4	HP-1825CMP	06	HP-1841CMP	13
PR-CSC	Beech 58	Porto Seg. Incorp. E Empr. Imob.	18	HP-1834CMP	20, 27	HP-1847CMP	09
PZ-TBS	Ce208B	Gum Air		HP-1839CMP	30		
19. N55WL	Ce550	Jet Air	21	<u>GOL:</u>			
20. OO-ABB	A340-313E	Air Belgium	tdy SLM993/4	PR-GGQ	23	PR-GTR	02
22. 9H-RWM	Beech B200GT	Guyane Aéro Transport		PR-GGX	09	PR-VBN	16
OO-ABB	A340-313E	Air Belgium		<u>NAC:</u>			
23. 9H-RWM	Beech B200GT	Guyane Aéro Transport		N379CX	19, 26		
HK-4891	Lj31A	Fund. Cardiovascular de Colombia					



AirExplore Boeing 737 OM-LEX has replaced OM-HEX operating for FlyAllways in full colours this winter. The aircraft mostly operates flights to Cuba. (Paramaribo, 18 December 2019, Andrew Muller)

Stratair:

N351CM 20, 27

Trans Guyana Airways:

8R-EAR 10, 11, 24
8R-GAQ 03, 04, 17, 18, 19

TUI Airlines Netherlands:

PH-TFK 23
PH-TFL 12, 16, 19, 26, 29

8R-GHE 25

PH-TFM 02, 05, 09

French Air Force CN235s visited from Cayenne, but the one on the 11th was not identified. Believe it or not but the Qatar Executive on the 17th brought the prime minister of Barbados for a three day visit to Surinam. The Air Belgium Airbus on the 20th operated for SLM the rest of the month. The president of Surinam paid an official visit to China via Kenya. He was picked up by an AtlasGlobal Airbus on the 25th for the first stretch to Nairobi (after having been dropped off by the Vortex EC145), from there he continued with a Chinese sponsored aircraft. The Greek Boeing on the 27th was also a nice visitor from the Azores and continuing after two nights to Manaus with a group of German tourists. Bad weather above town made some Gum Air's divert to JAPI-airport on the 28th.

December 2019

01.OO-ABB	A340-313E	Air Belgium	SLM993/4
TC-AGD	A330-203	AtlasGlobal	03 KKK6935/6
02.HK-4891	Lj31A	Fund. Cardiovascular de Colombia	
03.N965CX	BK117C-2		
04.N876BB	Ce550	Rainforest Seafood	06
OO-ABA	A340-313E	Air Belgium	tdy SLM993/4
06.LV-CPL	Lj60	Patagonia Flight Services	
N144VA	R44	Vortex Aviation	
07.OB-2059-P	DC-8-73F	SkyBus Cargo Charters (a/w)	
09.PZ-TBN	DHC-6-310	Gum Air	
10.PZ-HVG	R44	Pegasus Air Services	
12.9H-RWM	Beech B200GT	Guyane Aéro Transport	
13.OM-LEX	B737-8BK	AirExplore (EDR c/s) arr tdy AXE100P	
14.PZ-TBH	Ce208B	Gum Air	
15.HI1010	Ce750	Helidosa	
OM-HEX	B737-81Q	AirExplore (EDR c/s) dep AXE101P	
16.PZ-TBN	DHC-6-310	Gum Air	
YV3381	Beech 400A		17
17.YV1118	Lj45XR	Petróleos de Venezuela	
20.F-GSPD	B777-228ER	Air France	AFR853
PZ-TCU	B777-212ER	Surinam Airways	del
25.EC-MUA	B777-212ER	Privilege Style	tdy SLM993/4
26.8R-GRD	BN-2A/III-2	Roraima Airways	
PZ-HDF	R44	Pegasus Air Services	
PZ-HVG	R44	Pegasus Air Services	
28.8R-GRD	BN-2A/III-2	Roraima Airways	
8R-GRF	BN-2A/III-2	Roraima Airways	
29.PZ-TBH	Ce208B	Gum Air	
30.PZ-HVG	R44	Pegasus Air Services	
PZ-TBN	DHC-6-310	Gum Air	
31.8R-GRD	BN-2A/III-2	Roraima Airways	

8R-GRF BN-2A/III-2 Roraima Airways

Amerijet International:

N319CM 14, 20

N378CX 06

Caribbean Airlines:

9Y-ANU 17
9Y-BGI 07
9Y-GEO 28
9Y-JMD 26
9Y-JME 03
9Y-JMF 14
9Y-MBJ 10
9Y-POS 24
9Y-SXM 21
9Y-TAB 05, 12, 19

COPA:

HP-1522CMP 04
HP-1716CMP 28
HP-1717CMP 21
HP-1722CMP 14
HP-1826CMP 11
HP-1840CMP 07
HP-1854CMP 18, 25

GOL:

PR-GGG 21
PR-GGK 25
PR-GTB 12
PR-GUA 28
PR-GUZ 14
PR-VBG 18
PR-VBL 07

NAC:

N379CX 03, 04, 11

Stratair:

N351CM 10, 17, 18, 26

Trans Guyana Airways:

8R-EAR 01, 23, 29, 30
8R-GAE 22
8R-GAQ 02, 08, 16, 22
8R-GHU 09, 15

TUI Airlines Netherlands:

PH-TFK 03, 06, 10, 17, 31
PH-TFL 20
PH-TFM 13, 24, 27

Left out were KLM (B747), Surinam Airways (B737 and A340) and the FlyAllways F70s.

FlyAllways used B737 OM-HEX in full colours this month for their flights to Santiago de Cuba until the 13th when it was replaced by OM-LEX also in full FlyAllways colours. AtlasGlobal brought back the president of Surinam from his visit to China. On the 3rd a chopper on delivery to Brasil which became PS-MKT. A nice Learjet on the 6th from Cabo Frio, Brasil to Santo Domingo for some fuel. The highlight of the month on the 7th was operating for Amerijet from and to Miami. It must have been ages that a DC-8 visited. On the 20th another unusual day with two triple 7s on the ramp. The first ever Surinam Airways Boeing 777 arrived from Frankfurt and due to a strike an Air France arrived from Cayenne for fuel. Surinam Airways is not yet ETOPS certified, so the aircraft stayed on the ramp and additional equipment still had to be leased. Air Belgium operated for SLM till the 22nd and Privilege Style operated for SLM from the 25th.

Credits: Danny de Kiewit, Andrew Muller, Aviation Lovers Suriname (Facebook).



The visit of DC-8 OB-2059-P was probably the highlight for 2019. The 50+ year old freighter is operated by SkyBus Cargo Charters. (Paramaribo, 7 December 2019, Keshval Gadjri)

Military Movements Elsewhere



The 7th SOS received two new aircraft in January 2020. One of these is CV-22B 08-0047 seen here (Mildenhall, 21 January 2020, Tom McGhee)

Germany

Nürnberg

Date	Registration	Type	Operator	Month
02.73+67	UH-1D	THR30	* Joker2	December 2019
	MM62158/E.I.103	Do228-212	IE2801	
04.95-00123	UC-35A	E/1-214th AVN	Duke28	
	15-5822/RS	C-130J-30	Herky11	
	15-5831/RS	C-130J-30	Herky12	
05.84-00156	C-12U-3	E/1-214th AVN	Duke62	
	15-5822/RS	C-130J-30	Herky11	
	15-5831/RS	C-130J-30	Herky12	
06.54+10	A400M	LTG62	* GAF727	
	14+07	Global 5000	GAF625	
06.87-26004	UH-60A	FBS BMVg	* Duke29	
07.MM62168	P-180E	C/1-214th AVN		
	ZE708	P-180E	08 RRR1907	
		B Ae146 C3	GAF003	
13.54+31	A400M	LTG62	IE2801	
14.MM62167	P-180E	28*Gr AVES	* Army20361	
17.11-20361	UH-60M	4-3rd AVN	* Army72108	
	UH-72A	JMRC		
	09-72108	2x		
		CH-53G		
20.84-00165	C-12U-3	E/1-214th AVN	Duke63	
21.40-MNE	Lj45	Gvmt of Montenegro		

Credits: MAR, Scramble messageboard.

Ramstein

Date	Registration	Type	Operator	Month
01.69-0024	C-5M	436th AW	dep RCH106	December 2019
	00-0175	C-17A	03 RCH191	
	07-7180	C-17A	02 Bandage37/RCH740	
	07-7181	C-17A	437th AW	
	07-7181	C-17A	437th AW	
	08-8202	C-17A	dep RCH521	
02.ZZ171/171	C-17A	62nd AW	04 RCH521/663	
	98-0051/AK	C-17A	dep RCH289	
	02-1107	C-17A	04 RRR6374	
	03-3125	C-17A	RCH258	
	03-3126	C-17A	144th/517th AS AK ANG	
	07-7176	C-17A	156th AS NC ANG	
	90-0827/SP	F-16CM	dep RCH797	
	91-0342/SP	F-16CM	08 RCH102	
03.02-1107	C-17A	305th AMW	dep RCH390	
	03-3119	C-17A	dep RCH327	
	03-3124	C-17A	* Beast02	
	06-6160	C-17A	* Beast01	
	10-0221	C-17A	05 RCH797	
			04 RCH225	
			04 RCH1815	
			04 RCH800	
			04 RCH556	

01-0015	C-40B	99th AS	04 SAM815
15-5829/AK	HC-130J	211th RQS AK ANG	Scars21
04.ZZ171/171	C-17A	99sq	05 RRR6374/6375
87-0123	KC-10A	60th AMW	05 RCH109
02-1099	C-17A	758th AS AFRC	06 RCH788
05-5151/HH	C-17A	535th AS HI ANG	06 RCH398
07-7183	C-17A	437th AW	06 RCH150
07-7189	C-17A	437th AW	06 RCH716
09-9212	C-17A	437th AW	05 RCH742
58-0125	KC-135T	6th ARW	06 RCH310
90-0833/SP	F-16CM	480th FS	* Taco04
91-0352/SP	F-16CM	480th FS	* Taco03
91-0472/SP	F-16DM	480th FS	* Crome01
99-26841	UH-60L	A/2-3rd AVN	Army26841
05.85-0001	C-5M	436th AW	dep RCH344
85-0008	C-5M	436th AW	dep RCH395
00-0183	C-17A	156th AS NC ANG	06 RCH108
03-3119	C-17A	183rd AS MS ANG	06 RCH225
05-5140	C-17A	729th AS AFRC	06 RCH411
05-5145	C-17A	729th AS AFRC	09 RCH515/692
13-08134	CH-47F	B/1-214th AVN	* Grit13
13-08432	CH-47F	B/1-214th AVN	* Grit14
13-08436	CH-47F	B/1-214th AVN	* Grit12
13-08437	CH-47F	B/1-214th AVN	* Grit11
98-26812	UH-60L	A/2-3rd AVN	Army26812
06.95-0104	C-17A	155th AS TN ANG	07 RCH818/955
99-0169	C-17A	437th AW	07 RCH984
10-0221	C-17A	437th AW	07RCH556
58-0125	KC-135T	6th ARW	RCH310
910502	C-26D	AOD Naples	CNV6206
168071/BH	KC-130J	VMGR-252	Bronco31
07.86-0024	C-5M	60th AMW	RCH113
00-0183	C-17A	156th AS NC ANG	09 RCH108/911
01-0189	C-17A	155th AS TN ANG	08 RCH401
02-1099	C-17A	758th AS AFRC	09 RCH788
09-9212	C-17A	437th AW	RCH742
10-0214	C-17A	437th AW	08 RCH146
10-0219	C-17A	62nd AW	13 RCH351/469
10-0220	C-17A	62nd AW	09 RCH276
06-0500	C-37B	99th AS	08 SAM854
60-0320	KC-135R	22nd ARW	08 RCH155
08.05-5151/HH	C-17A	535th AS HI ANG	10 RCH398
09.01-0189	C-17A	155th AS TN ANG	RCH401
07-7183	C-17A	437th AW	RCH150
07-7189	C-17A	437th AW	10 RCH942

166377	C-37B	VR-1	VM101	10-0221	C-17A	437th AW	17 RCH111
10.S-440	AS532U2	300sq	NAF03	98-0002	C-32A	1st AS	18 SAM577
00-0183	C-17A	156th AS NC ANG	12 RCH911	57-1440/D	KC-135R	351st ARS	17 Quid12
07-7169	C-17A	436th AW	11 Bandage01/RCH545	17 50+36	C-160D	LTG63	18 GAF644
07-7170	C-17A	436th AW	12 RCH347	87-0035	C-5M	436th AW	18 RCH539
57-1459	KC-135R	729th AS AFRC	11 RCH320	00-0172	C-17A	156th AS NC ANG	19 RCH144
58-0046	KC-135T	22nd ARW	11 RCH323	01-0187	C-17A	62nd AW	18 RCH428
64-14841/OF	RC-135V	55th Wg	11 Mario64	07-7180	C-17A	437th AW	19 Bandage37/RCH709
05-27055	UH-60L	A/2-3rd AVN	Army27055	09-9212	C-17A	437th AW	18 RCH546
11.03-3125	C-17A	305th AMW	12 RCH102/611	57-1440/D	KC-135R	351st ARS	18 Quid12/Evac10E2
05-5145	C-17A	729th AS AFRC	13 RCH692/102	18.50+36	C-160D	LTG63	19 GAF644
07-7183	C-17A	437th AW	16 Bandage51/RCH114	131/XQ	TBM-700A	ET01.041	CTM3832
07-7185	C-17A	437th AW	12 RCH227	69-0024	C-5M	436th AW	23 RCH261
10-0221	C-17A	437th AW	12 RCH111	87-0036	C-5M	436th AW	RCH981
169036	C-40A	VR-61	CNV6609	87-0119	KC-10A	60th AMW	19 RCH457
12.H21	A109BA	1Wg	BAF317	95-0103	C-17A	62nd AW	20 RCH138/665
00-0172	C-17A	156th AS NC ANG	13 RCH255	00-0184	C-17A	62nd AW	19 RCH982
07-7185	C-17A	437th AW	14 RCH227	01-0187	C-17A	62nd AW	23 RCH428
10-0220	C-17A	62nd AW	13 RCH276	04-4130	C-17A	305th AMW	19 RCH732
10-0221	C-17A	437th AW	14 RCH111	05-5139	C-17A	729th AS AFRC	19 RCH565
166377	C-37B	VR-1	13 VM101	06-6162	C-17A	60th AMW	19 RCH617
11-9355	E-11A	430th EECS	13 Velcro4	08-8196	C-17A	62nd AW	RCH406
13.0037/F-RBAJ	A400M	ET01.061	CTM1529	165151	C-20G	COMNAVEUR	Catbird1
85-0005	C-5M	436th AW	30 RCH190	169036	C-40A	VR-61	CNV6617
87-0031	C-5M	337th AS AFRC	14 RCH103	19.50+36	C-160D	LTG63	GAF644
03-3124	C-17A	437th AW	15 RCH1815	86-0025	C-5M	436th AW	20 RCH978
05-5151/HH	C-17A	535th AS HI ANG	15 RCH469/333	87-0029	C-5M	60th AMW	20 RCH464
07-7170	C-17A	436th AW	14 RCH560	93-0603	C-17A	89th AS AFRC	20 RCH413
14.85-0008	C-5M	436th AW	17 RCH535	96-0005	C-17A	137th AS NY ANG	20 RCH202
87-0030	C-5M	60th AMW	15 RCH160	00-0184	C-17A	62nd AW	RCH982
96-0002	C-17A	437th AW	15 RCH435	01-0197	C-17A	156th AS NC ANG	21 RCH240
00-0172	C-17A	156th AS NC ANG	16 RCH255/144	02-1098	C-17A	305th AMW	RCH728
00-0181	C-17A	167th AS WV ANG	15 RCH230	10-0223	C-17A	437th AW	20 RCH148
07-7185	C-17A	437th AW	17 RCH227	04-01778	C-37B	OHAWOM/PAT	20 PAT78
09-5709/DM	HC-130J	355th Wg	16 King88	169036	C-40A	VR-61	CNV6617
166472/BH	KC-130J	VMGR-252	17 Bronco31	57-1440/D	KC-135R	351st ARS	* AE10E2
15.85-0031	KC-10A	305th AMW	16 RCH451	21.93-0603	C-17A	89th AS AFRC	24 RCH413
96-0002	C-17A	437th AW	RCH435	98-0056/AK	C-17A	517/144th AS AK ANG	RCH979
05-5145	C-17A	729th AS AFRC	22 RCH102/877	04-4132	C-17A	305th AMW	22 RCH145
08-8196	C-17A	62nd AW	17 Bandage37/RCH406	07-7181	C-17A	437th AW	RCH877/140
10-0221	C-17A	437th AW	RCH111	07-7183	C-17A	437th AW	RCH595
04-01778	C-37B	OHAWOM/PAT	PAT78	22.85-0001	C-5M	436th AW	23 RCH325
16.86-0024	C-5M	60th AMW	RCH113	87-0034	C-5M	60th AMW	23 RCH263
87-0031	C-5M	AFRC	337	87-0035	C-5M	62nd AW	23 RCH436
98-0053	C-17A	62nd AW	RCH665/189	95-0103	C-17A	62nd AW	23 RCH665
00-0175	C-17A	305th AMW	17 Bandage01/RCH109	96-0005	C-17A	137th AS NY ANG	23 RCH202
00-0181	C-17A	167th AS WV ANG	17 RCH230	00-0175	C-17A	305th AMW	RCH109
02-1098	C-17A	305th AMW	18 RCH980	01-0197	C-17A	156th AS NC ANG	23 Bndge35/RCH165



December 2019 saw the Michigan ANG deploy two of its KC-135R to Geilenkirchen. Seen here is 58-0049. (10 December 2019, Rolf Flinzner)

Ireland

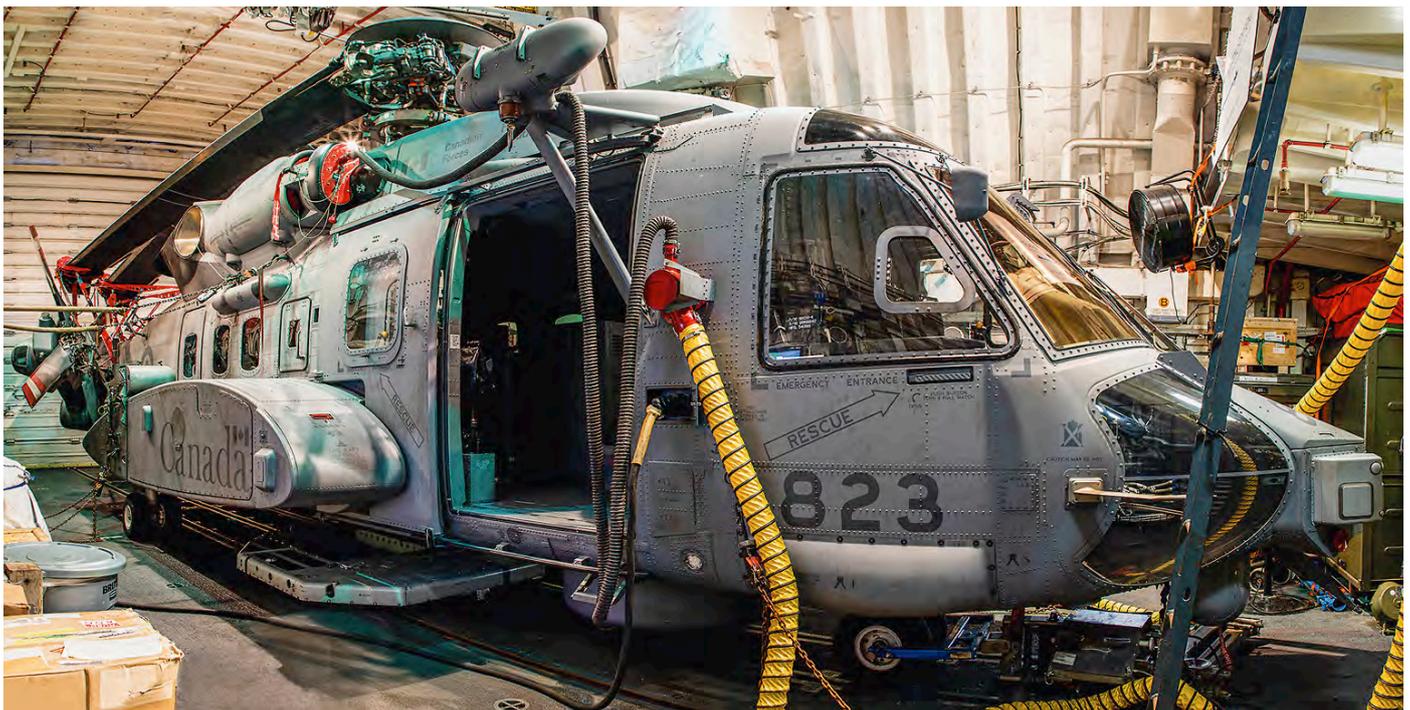
Shannon			December 2019
04.144618	CC-144	412sq	
12-3040	C-146A	524th SOS	
166714	UC-35D	USMC	
05.01-0015	C-40B	1st AS	
09.165349/JW	C-130T	VR-62	
12.168981	C-40A	USN	
13.16-5855	C-130J-30	19th AW	
15.01-0015	C-40B	1st AS	
168981	C-40A	USN	
20.168980	C-40A	USN	
21.05-0932	C-40C	73rd AS AFRC	
22.02-0203	C-40C	201st AS DC ANG	
23.99-0404	C-37A	99th AS	
27.02-0203	C-40C	201st AS DC ANG	

Credits: MAR, Scramble messageboard.

Portugal

Lajes, Azores			December 2019
01.169325/YD	P-8A	VP-4	YD325
168851/YD	P-8A	VP-4	YD851
169426/YD	P-8A	VP-4	YD92
165159/CW	C-130T	VR-54	dep CNV6529
02.4153	C-130E	6sq/21sq	03 PAAF930
04.02-1099	C-17A	758th AS AFRC	RCH788
165831	C-40A	USN	CNV6704
05.58-0113/D	KC-135R	351st ARS	* Quid45
16-5855	C-130J-30	19th AW	13 RCH375
06.144618	CC-144B	412sq	CFC3090
07.130608	CC-130J	RCAF	436
09-5709/FT	HC-130J	79th RQS	08 King88
07-0779	U-28A	319th SOS	08 RCH1017
08.165833	C-40A	USN	CNV6807
165829	C-40A	USN	CNV4681
09.93-1456	C-130H	181st AS TX ANG	RCH541
10.NZ7572	B757-2K2	40sq	11 Kiwi325
88-1307	AC-130W	16th SOS	RCH1039
93-1457	C-130H	181st AS TX ANG	11 RCH301
165831	C-40A	USN	CNV4861
165834	C-40A	USN	11 CNV4761
1x	C-130T	USN	CNV3104
165159/CW	C-130T	VR-54	11 CNV3881
08-8603/RS	C-130J-30	37th AS	11 Herky37

11.08-8603/RS	C-130J-30	37th AS	13 Herky37
60-0355/D	KC-135R	351st ARS	Quid34
13.78	Falcon 50	FrN	FNy5018
54+17	A400M	LTG62	14 GAF101
G-275	C-130H-30	336sq	14 NAF30
G-988	C-130H	336sq	14 NAF39
14.169036	C-40A	USN	CNV6614
1x	P-8A	VP-4	20 YD65
1x	P-8A	VP-4	20 YD69
15.1285/SU-BAR	C-130H	4sq/16sq	16 EGY1123
1289/SU-BAV	C-130H	4sq/16sq	16 EGY1124
16.157318	EP-3W	VQ-2	PR318
165833	C-40A	USN	17 CNV6516
168980	C-40A	USN	CNV4662
17.169036	C-40A	USN	CNV6518
18.130608	CC-130J-30	436sq	CFC4239
R10-002	IL-78	10(MRRTT)sq	PAAF942
19.G-781	C-130H	336sq	20 NAF35
20.1289/SU-BAV	C-130H	4sq/16sq	22 EGY1124
21.99-0404	C-37A	99th AS	SAM870
CN-AOJ	C-130H	Esc de Transporte 3	RMAF217
89-1051	AC-130W	16th SOS	RCH1036
22.1x	P-8A	VP-4	27 YD65
1x	P-8A	VP-4	27 YD69
1x	P-8A	VP-4	27 YD67
1x	P-8A	VP-4	27 YD74
10-002	IL-78	10(MRRTT)sq	23 PAAF942
1285/SU-BAR	C-130H	4sq/16sq	24 EGY1123
23.165379/BD	C-130T	VR-64	CNV6520
169036	C-40A	USN	CNV6623
27.CN-AOJ	C-130H	Esc de Transporte 3	RMAF217
92-13120	RC-12X	204th MI Bn	28 Grey33
28.169036	C-40A	USN	CNV6728
169230/QB	KC-130J	VMGR-352	29 Raider31
29.85-0031	KC-10A	305th AMW	Gold61
87-0120	KC-10A	305th AMW	Gold71
01-0188	C-17A	137th AS NY ANG	30 RCH356
169534/BH	KC-130J	VMGR-252	Otis81
164712/DW712	F/A-18C	VMFA-251	Mazda11-16
164912/DW912	F/A-18C	VMFA251	Mazda21-26
164958/DW958	F/A-18C	VMFA251	Mazda21-26
165182/DW182	F/A-18C	VMFA251	Mazda21-26
165198/DW198	F/A-18C	VMFA-251	Mazda21-26
165200/DW200	F/A-18C	VMFA251	Mazda21-26
165205/DW205	F/A-18C	VMFA251	Mazda21-26
164947/DW947	F/A-18D	VMFA-251	Mazda11-16



Royal Canadian Air Force Sikorsky CH-148 Cyclone '148823' on board the Royal Canadian Navy HMCS Halifax / NCSM Halifax while in Grand Harbour, Valletta during a visit organised by the Malta Aviation Society. Please note, the result was achieved by stitching four photos together in order to get a full shot due to the cramped space. (28 December 2019, Shaun Psaila)



Star military visitor to say goodbye to the first decade of this millennium at Schiphol was undoubtedly this Qatar C-17A A7-MAN (23 December 2019, Robert Eikelenboom)

165532/DW532	F/A-18D	VMFA-251	Mazda11-16	ZH877/877	Hercules C4	ex MADG	MCE08
165415/DW415	F/A-18D	VMFA-251	Mazda11-16	ZH879/879	Hercules C4	24/47sq	arr Comet143
164959/DW959	F/A-18D	VMFA-251	Mazda11-16	19.84006/846	Tp84	TSFE	SVF805
164650/DW650	F/A-18D	VMFA-251	Mazda11-16	20.505	C-130J	16sq	arr MJN291
				23 ZH888/888	Hercules C5		24 MCE04

Credits: MAR, Scramble messageboard.

United Kingdom

			December 2019
Brize Norton			
02.11-5731	MC-130J	67th SOS	2x Strix67
ZJ189	Apache AH1	AAC	Machete1/2
ZJ215	Apache AH1	AAC	Machete1/2
ZJ221	Apache AH1	AAC	
ZJ226	Apache AH1	4Regt	AA443
03.ZE707	BAe146 C3	32(TR)sq	RRR1331
04.E142	Alpha Jet E	EAC00.314	FAF6820
E157	Alpha Jet E	EAC00.314	
E176	Alpha Jet E	EAC00.314	FAF6821
ZE707	BAe146 C3	32(TR)sq	RRR1331
ZJ131/P	Merlin HC4	845NAS	
05.NZ7572	B757-2K2	40sq	10 Kiwi325
MAE	C-17A	12sq	LHOB244
11-5731	MC-130J	67th SOS	Strix67
06.KAF327	KC-130J	41sq	KAF3213
ZK031/FG	Hawk T2	25sq	
09.Z21122	C-130J-30	21sq	TUN60
XW232	Puma HC2	Benson Wg	* SHF302
10.ZJ120/D	Merlin HC4	845NAS	Junglie415
ZZ408	Wildcat AH1	1Regt	Carbon09
ZJ182	Apache AH1	4Regt	a/f in AA440
12.ZA707	Chinook HC6A	18sq	
ZZ522	Wildcat HMA2	815NAS	Martlet412
13.MAB	C-17A	12sq	LHOB244
ZJ123/G	Merlin HC4	846NAS	* Commando555
ZZ397	Wildcat HMA2	dep a/f in from Curacao	Martlet432
14.KC-3813	KC-130J	del to Indian AF	16 IFC5719
15.Z21122	C-130J-30	21sq	TUN60
19.ZM333	Phenom T1	45sq	* CWL41
86001/861	Tp-86	FC	SVF815
20.ZE701	BAe146 CC2	32(TR)sq	NOH39
11-5731	MC-130J	67th SOS	* Strix67
21.ZE701	BAe146 CC2	32(TR)sq	
29.168071/BH	KC-130J	VMGR-252	

Credits: MAR, Scramble messageboard.

			December 2019
Cambridge			
16.ZM301	Prefect T1	3FTS	
18.G-988	C-130H	336sq	NAF27
84005/845	Tp84	TSFE	SVF805
ZH865/865	Hercules C4	24/47sq	crew ferry RRR144

Credits: MAR, Scramble messageboard.

			December 2019
Coningsby			
03.84-0015/LN	F-15C	493rd FS	* Grim11
84-0044/LN	F-15D	493rd FS	* Grim12
05.84-0015/LN	F-15C	493rd FS	* Dozer1
86-0160/LN	F-15C	493rd FS	* Dozer2
06.ZE707	BAe146 C3	32(TR)sq	NOH14
11.91-0316/LN	F-15E	48th FW	* Strike12
12.ZK552	Chinook HC6	7sq	Lifter1/2
ZK563	Chinook HC6	7sq	Lifter1/2
16.ZM300	Prefect T1	3FTS	* BKH70
17.ZM333	Phenom T1	45sq	CWL42
ZM336	Phenom T1	45sq	* CWL60
ZM334	Phenom T1	45sq	* CWL36
19.XX311	Hawk T1	RAFAT	* Red11
ZM333	Phenom T1	45sq	* CWL35

Credits: MAR, Scramble messageboard.

			December 2019
Fairford			
05.83-1285	C-5M	436th AW	RCH394
10-0223	C-17A	437th AW	RCH547
02.07-7176	C-17A	436th AW	RCH327
03.84-0061	C-5M	436th AW	06 RCH280

Credits: MAR, Scramble messageboard.

			December 2019
Farnborough			
03.OM-BYA	A319-115CJ	LU-MV SR	04 SSG01
OM-BYK	A319-115CJ	LU-MV SR	04 SSG04B
ZZ107	AW101-612	Leonardo	WHE13
ZZ103	AW101-612	Leonardo	WHE20
04.A6-MRS	B737-8E0	Gvmt of Dubai	07 DUB7
A6-SHJ	A320-232-CJ	Gvmt of Sharjah	09 SHJ01
05.A4O-AJ	A319-115	Gvmt of Oman	ORF6
08.A4O-AA	A320-233	Gvmt of Oman	ORF5
A9C-BHR	G450	Gvmt of Bahrain	BAH4
10.A6-HHH	G650	Gvmt of Dubai	13 DUB15
11.A9C-BHR	G450	Gvmt of Bahrain	14 BAH4
12.A6-FZZ	B737-8KN	Gvmt of Dubai	13 DUB12
13.A6-MRM	B737-8EC	Gvmt of Dubai	14 DUB7
19.A9C-BAH	G650	Gvmt of Bahrain	20 BAH6
20.A6-HRS	B737-7E0	Gvmt of Dubai	21 DUB4
A9C-BHR	G450	Gvmt of Bahrain	24 BAH4
22.A6-SHJ	A320-232-CJ	Gvmt of Sharjah	arr SHJ01
30.A6-SHJ	A320-232-CJ	Gvmt of Sharjah	still in SHJ01

Credits: MAR, Scramble messageboard.

Lakenheath

02.12-1044	F-15SA	RSAF
12-1062	F-15SA	RSAF
12-1080	F-15SA	RSAF
12-1081	F-15SA	RSAF
12-1082	F-15SA	RSAF

December 2019

05 Retro61-65
16 Retro61-65
16 Retro61-65
05 Retro61-65
05 Retro61-65

Credits: MAR, Scramble messageboard.

Mildenhall

01.00-0175	C-17A	305th AMW
02.09-9207	C-17A	437th AW
09-0017	C-32A	1st AS
62-4132/OF	RC-135W	55th Wg
03.01-0191	C-17A	436th AW
04-4137	C-17A	305th AMW
97-00102	UC-35A	E/1-214th AVN
166472/BH	KC-130J	VMGR-252
04.86-0028	KC-10A	305th AMW
96-0005	C-17A	137th AS NY ANG
58-0004	KC-135R	106th ARS AL ANG
58-0057	KC-135R	174th ARS IA ANG
60-0341	KC-135R	153rd ARS MS ANG
05.ZZ338	Voyager KC3	10/101sq
06.61-0321	KC-135R	(22nd ARW)
64-14835	KC-135R	336th ARS AFRC
58-0065	KC-135T	22nd ARW
07.87-0039	C-5M	337th AS AFRC
08.59-1508	KC-135R	92nd/141st ARW
64-14841/OF	RC-135V	55th Wg
10.01-0192	C-17A	137th AS NY ANG
11.84-00165	C-12U-3	E/1-214th AVN
12.ZM334	Phenom T1	45sq
13.57-1435	KC-135R	191st ARS UT ANG
15.58-0042	KC-135R	22nd ARW
60-0356	KC-135R	22nd ARW
62-4127/OF	TC-135W	55th Wg
16.ZM336	Phenom T1	45sq
17.09-9211	C-17A	62nd AW
62-4132/OF	RC-135W	55th Wg
22.87-0035	C-5M	436th AW
165161	C-130T	VR-64
27.04-4128	C-17A	305th AMW
28.87-0043	C-5M	337th AS AFRC
29.86-0034	KC-10A	60th AMW
58-0050	KC-135T	6th ARW

December 2019

RCH191
RCH386
04 SAM18
03 Olive55
07 RCH275
05 RCH389
* Duke33
Bronco32
05 Blue41
05 RCH391
05 RCH222
05 RCH791
05 RCH880
RRR2754
07 RCH202
dep RCH349
07 RCH335
11 RCH416
09 RCH101
arr Snoop57
11 RCH534
Duke16
* Cranwell32
14 RCH831
16 RCH561
17 RCH563
16 Angus55
* Cranwell36
18 RCH344
20 Olive56
RCH436
27 CNV3244
RCH101
30 RCH102
30 RCH212
30 RCH415

84-0126	C-21A	76th AS
04.ZZ335	Voyager KC3	10/101sq
98-0051/AK	C-17A	144th AS AK ANG
07-7178	C-17A	437th AW
59-1470	KC-135R	6th ARW
63-8019	KC-135R	6th ARW
05.02-1109	C-17A	62nd AW
58-0050	KC-135T	6th ARW
59-1513/D	KC-135T	351st ARS
06.15002	CC-150	437sq
ZM402/402	Atlas C1	24/70sq
XX317CU-849	Hawk T1A	100sq
05-5153/HH	C-17A	535th AS HI ANG
06-6159	C-17A	60th ARW
61-0324	KC-135R	336th ARS AFRC
07.15002	CC-150	437sq
4/F-RAFQ	Falcon 900	ET00.060
02-1109	C-17A	62nd AW
63-7979	KC-135R	6th ARW
09.ZM404/404	Atlas C1	24/70sq
61-0193	C-17A	437th AW
06-6159	C-17A	60th AMW
10.01-0193	C-17A	437th AW
05-5151/HH	C-17A	535th AS HI ANG
06-6157	C-17A	60th AMW
07-7170	C-17A	436th AW
84-0087	C-21A	76th AS
84-0096	C-21A	76th AS
11.15002	CC-150	437sq
ZH003	Defender R2	651sq
ZH839	Merlin HM2	814NAS
ZZ336	Voyager KC3	10/101sq
06-6154	C-17A	60th AMW
99-00102	UC-35A	E/1-214th AVN
12.130614	CC-130J-30	436sq
15005	CC-150T	437sq
KAF343	C-17A	41sq
79-1947	KC-10A	305th AMW
06-6157	C-17A	60th AMW
06-6159	C-17A	60th AMW
13.ZM419/419	Atlas C1	24/70sq
63-8884	KC-135R	6th ARW
169036	C-40A	VR-61
14.01-0191	C-17A	436th AW
06-6167	C-17A	60th AMW
09-9212	C-17A	437th AW
15.KAF343	C-17A	41sq
98-0051/AK	C-17A	144th AS AK ANG
01-0191	C-17A	436/512AW
07-7179	C-17A	60/349AMW
900528	C-26D	Naples AOD
165379/BD	C-130T	VR-64
16.ZK016/G	Hawk T2	4sq
11-00284	MC12S-G	D/204thMi Bn.
07-7179	C-17A	60th AMW
09-5709/DM	HC-130J	79th RQS
17.ZM417/417	Atlas C1	24/70sq
01-0192	C-17A	137th AS NY ANG
02-1105	C-17A	62nd AW
03-3114	C-17A	183rd AS MS ANG
84-0083	C-21A	76th AS
84-0126	C-21A	76th AS
01-0415	U-28A	319th SOS
18.97-0046	C-17A	437th AW
06-6154	C-17A	60th AMW
07-7181	C-17A	437th AW
01-0029	C-37A	76th AS
19.ZZ331	Voyager KC2	10/101sq
98-0056/AK	C-17A	144th AS AK ANG
95-0106	C-17A	62nd AW
03-3114	C-17A	183rd AS MS ANG
900528	C-26D	Naples AOD
20.01-0029	C-37A	76th AS
21.83-0081	KC-10A	305th AMW
96-0003	C-17A	62nd AW
04-4128	C-17A	305th AMW

Valor21
05 RRR2705
05 RCH154
05 RCH661
05 RCH314
07 RCH161
RCH177
06 RCH315
* Quid43
CFC4199
* Comet467
* Pirate19
11 RCH469/398
07 RCH159
07 RCH112
CFC4103
CTM1280
RCH177
09 RCH195
* RRR469
RCH897
11 RCH165E
12 RCH265
RCH398/469
RCH151
* RCH347
* Valor21
11 Falcon99
CFC4105
* AAC003
18 Tiger69
RRR2719
17 RCH260
Duke36
13 CFC4278
13 CFC3311
13 KAF3218
14 RCH215
RCH917
13 RCH165
* Comet472
14 RCH710E
CNV6612
15 RCH105
15 RCH936
15 RCH463
17 KAF3218
RCH547
16 RCH105
16 RCH458
CNV6315
16 CNV3401
* VYT34
Argus33
17 RCH458
18 King88
* RRR485
19 RCH407
18 RCH551
RCH338
20 Falcon99
Valor21
18 RCH1022
19 RCH972
19 RCH170
19 RCH877
Valor29
RRR2774
21 RCH979
20 RCH257
20 RCH556
20 CNV6319
Valor29
RCH320
22 RCH330
23 RCH235

Credits: MAR, Scramble messageboard.

Northolt

01.01-0030	C-37A	99th AS
13-08134	CH-47F	B/1-214th AVN
13-08432	CH-47F	B/1-214th AVN
13-08436	CH-47F	B/1-214th AVN
13-08437	CH-47F	B/1-214th AVN
163259	VH-60N	HMX-1
163264	VH-60N	HMX-1
02.C-215	CL-604	Esk 721
03.C-168	CL-604	Esk 721
2/F-RAFP	Falcon 900EX	ET00.060
86/F-RAFB	Falcon 7X	ET00.060
MM62243	A319CJ	306°Gr
MM62244	Falcon 900EX	93°Gr
T.18-1/45-40	Falcon 900B	Esc451
9A-CRO	CL-604	Gvmt of Croatia
04.01-0030	C-37A	99th AS
TC-ATA	G-IV	Gvmt of Turkey
05.04-4137	C-17A	305th AMW
96-0005	C-17A	137th AS NY ANG
08.900531	C-26D	AOD Naples

December 2019

SPAR80
05 Grit13
05 Grit?
05 Grit12
05 Grit11
DAF7430
04 DAF002
04 CTM0008
04 CTM0004
04 IAM9002
IAM3136
04 AME4579
04
SPAR80
RCH389
RCH391
CNV6108

Credits: MAR, Scramble messageboard.

Prestwick

01.KAF343	C-17A	41sq
05-5153/HH	C-17A	535th AS HI ANG
02.ZH847/CU-66	Merlin HM2	814NAS
84-0186	KC-10A	305th AMW

December 2019

03 KAF3217
05 RCH469
dep Tiger70
05 Gold12

09-9205	C-17A	437th AW	23 RCH223
23.ZM416/416	Atlas C1	24/70sq	* Comet472
06-6157	C-17A	60/349AMW	RCH723
24.165379/BD	C-130T	VR-64	CNV6520
28.ZM404/404	Atlas C1	24/70sq	* RRR474
29.ZZ343	Voyager KC2	10/101sq	RRR2788
86-0034	KC-10A	60/349AMW	* RCH212
165161/BD	C-130T	VR-64	CNV6928
30.ZM417/417	Atlas C1	24/47sq	* Comet476
86-0034	KC-10A	60th AMW	* RCH212
08-8201	C-17A	62nd AW	31 RCH983
31.79-1946	KC-10A	60th AMW	RCH207
165379/BD	C-130T	VR-64	CNV6701

Credits: MAR, Scramble messageboard.

Stansted			December 2019
01.1228	C-17A	Heavy Transport squadron	UAF1230
02.15003	CC-150	437sq	06 CFC01/3198
678	G-V	352 MMYP	04 HAF352B
TC-TRK	B747-8ZV	Gvmt of Turkey	05? TRK1
TC-TUR	A330-243	Gvmt of Turkey	05? TRK2
LZ-AQB	A319-112	Gvmt of Bulgaria	BGF001
07-7185	C-17A	437th AW	RCH501
92-9000	VC-25A	1st AS	04 AF1
82-8000	VC-25A	1st AS	04 SAM45
98-0001	C-32A	1st AS	04 SAM596
98-0002	C-32A	1st AS	04 SAM374
13-08436	CH-47F	B/1-214th AVN	Nighthawk
163264	VH-60N	HMX-1	Nighthawk
03.604	A319-112	MH 59. Sz.D. REB.	04 HUAF201
15+01	A319-133X	FBS BMVg	04 GAF841
MAE	C-17A	12sq	05 LHOB244
13-08134	CH-47F	E/1-214th AVN	
163264	VH-60N	HMX-1	
Z3-MKD	Lj60	Gvmt of Macedonia	
04 15002	CC-150	437sq	CFC3873/001
606	Falcon 7X	MH 59. Sz.D. REB.	HUAF682
KAF327	KC-130J	41sq	KAF3213
07-7185	C-17A	437th AW	07 RCH501
13-08432	CH-47F	E/1-214th AVN	
13-08436	CH-47F	E/1-214th AVN	

13-04837	CH-47F	E/1-214th AVN	
163259	VH-60N	HMX-1	
163264	VH-60N	HMX-1	
PH-GOV	B-737BBJ	Gvmt of the Netherlands	
05.83-1285	C-5M	436th AW	RCH394
85-0008	C-5M	436th AW	RCH395
03-3123	C-17A	167th AS WV ANG	RCH392
06.03-3123	C-17A	167th AS WV ANG	RCH382
08.MAB	C-17A	12sq	10 LHOB247
MAO	C-17A	12sq	14 LHOB246
11.14+03	Global 5000	FBS BMVg	GAF671
13.MAB	C-17A	12sq	15 LHOB244
15.MAM	C-17A	12sq	17 LHOB247
17.MAO	C-17A	12sq	LHOB243
23.1229	C-17A	Heavy Transport squadron	UAF1230
29 18-1942	C-37B	99sq	f/v 30 SAM933

Credits: MAR, Scramble messageboard.

Waddington			December 2019
02.ZJ928/928	Typhoon FGR4	29sq	* Typhoon326
ZM323/323	Texan T1	72sq	* VYT78
J-5236	F/A-18D	Swiss AF 03	Crusader22/Avenger12
03.ZM151/017	F-35B	Marham Wg	* MRH102
03.ZK035/FK	Hawk T2	25sq	* VYT25
11.91-0316/LN	F-15E	492nd FS	* Strike12
12.2x	F-15E	492nd FAS	* Slam51/52
16.62-4127/OF	TC-135W	55th Wg	19 Angus55
17.ZK432	Typhoon FGR4	29sq	Gunfighter71

Credits: MAR, Scramble messageboard.



TBM-700s can be seen in the Netherlands every now and then. The French Army sent 104/XH to Eindhoven last December. (19 December 2019 Stephan Lodewijks.)

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We had hoped the Boeing media site would have plenty photos to choose from of the Boeing 777X first flight that should have taken place the evening before the deadline of this month's Scramble edition. Unfortunately due to gusty conditions at Everett (WA), the maiden flight was postponed, so no photos of a flying 777-9 but one made earlier under much better weather conditions. (Boeing)

Manufacturers News

Airbus

A321P2F

On Wednesday 22 January the first A321 conversion freighter took off for its maiden flight in Singapore. The A321P2F was developed by Elbe Flugzeugwerke (EFW) from Dresden in corporation with ST Engineering from Singapore. ST Engineering developed the technical details, while EFW is responsible for the program management and marketing of the aircraft. The aircraft took off at Singapore Selatlar airport at 3:31pm local time wearing German registration D-ANJA. The aircraft is MSN 835 and was built in 1998. It was delivered in June 1998 to BMI – British Midland Airways where it flew as G-MIDC. In 2011 the aircraft was sold to Onur Air where it flew as TC-OBJ until October 2018. The aircraft was ferried to Singapore to become the A321P2F prototype one month later. The EFW / ST Engineering A321P2F enables the transport of fourteen freight pallets or a payload of 27.9 tons over distances of up to 4,260 kilometres. After certification the aircraft will be delivered to Express Freighters Australia who will lease the aircraft from lessor Vallair. Express Freighters Australia will operate the aircraft on behalf of Qantas Freight.

Besides the EFW / ST Engineering conversion, there are currently five more conversion programmes for the A320/A321 family under development. One of the first companies that stepped into this conversion market is PacAvi. This US/German company announced an independent passenger-to-freighter conversion for the A320 and A321, branded as "PacAvi freighter LITE" in 2014 and has inducted one A320-200 for conversion in a facility at Hahn airport, Germany. Conversion on this aircraft began in January 2015. Late 2016 however, PacAvi announced that its A320/A321P2F programme was being delayed due to a restructuring of the company after change of ownership. But early 2020, very little activity has been reported around the PacAvi initiative.

A second A321 P2F initiative was launched by Oregon based Precision Aircraft Solutions in August 2017, a company with extensive Boeing 757 conversion experience. Precision Air-

craft will work together with Air Transport Services Group's (ATSG) leasing subsidiary Cargo Air Management and the newly formed venture will be named "321 Precision Conversions". It is planned to get the approval for the supplemental type certificate (STC) for the modification in 2020.

A third A321 conversion programme was announced in September 2017 by a company called C3 Aerospace. The company is based in California and more commonly known as "C Cubed". The company said it has already been working on the engineering's design for the conversion. C3 Aerospace expects to roll out the first conversion – A320 – late summer 2020 followed by an A321 at the end of 2020.

Early 2018 IAI Bedek also stepped into the A321 conversion market as it announced it was starting a certification process for its Airbus A321 conversion programme. IAI Bedek expects to attain an STC for its A321 programme in 2020.

A fifth A321 conversion programme was announced by US company Sine Draco in October 2018. Sine Draco is an aviation company with locations in the USA and China. They gave the A321-200SDF label to its conversion and have not made any comments when it expects to attain its STC.

Six conversion programmes for the A320/A321 seems a little too much, given the market size for narrowbody freighters. Therefore most of these programmes will probably not be viable.

Boeing

777X

Another first flight should have been the maiden flight of the new Boeing 777X. This was scheduled for Thursday 23 January, but postponed to Friday 24 January due to inclement weather in the Seattle area. The weather had not improved on Friday and after two and half hours waiting at the end of the runway the flight was cancelled. A new attempt was scheduled for Saturday 25 January at 10Am Pacific time. As this is the day this edition of Scramble was compiled (Central European time zone), we do not have the final confirmation

that this first flight had taken place before our deadline. We assume that by the time you read this section, the N779XW registered Boeing 777-9 prototype (MSN 64240, line # 1567) has performed a successful maiden flight. A much needed success for Boeing company, which due to the 737 MAX crises is going through tough times.

The Boeing 777X was launched at the Dubai Air Show in 2013. The new 777X aircraft features a new and larger version of the composite wings used for the smaller 787. With a wing-span of 71.75m, the 777X has the largest span of any Boeing aircraft type to date. The wings are built from carbon-fibre reinforced plastic and features folding wingtips to allow the 777X to operate at airfields without the facilities to handle aircraft with longer ("code F") wing-spans. Another feature on the 777X is the lightweight but strong advanced aluminium-lithium fuselage. The 777X will be equipped with the new GE Aviation GE9X engines, offering the latest engine technology. The 777X is expected to be 15-20% more efficient than the current 777 variants.

Two series of the new 777X are offered, the 777-8X and 777-9X. In November 2015 Boeing formally dropped the "X" suffix for the individual 777X variants, so the models are now

called the 777-8 and 777-9. The combined family however will still be known as 777X. The 426 seat 777-9 is the largest of the two and offers a range of 13,490km. The smaller 384 seat 777-8 offers a range of 16,170km.

The development of the 777X programme has been plagued with delays. Initially Boeing planned the first flight for 2019, with deliveries starting in 2020. But a durability issue with one of the vanes in the GE9X engines forced Boeing to delay the first flight to 2020. As the US Federal Aviation Administration is under big scrutiny to prevent a repeat of the 737 MAXs certification crisis, it is very uncertain if Boeing will get certification of the 777-9 before the end of this year. On 15 August 2019 Boeing announced that it has put the development of the 777-8 on hold. The 777-8 was due to make its first flight two years after the 777-9 in 2022, but this schedule is now very uncertain and Boeing has not given any indication of how long the development of 777-8 will be delayed.

As of January 2020 Boeing has orders for 309 777Xs (267x 777-9; 32x 777-8 and 10x 777 variant unannounced) from nine different customers.

Airliner News



Virgin Atlantic has withdrawn the 747-400 from its London-Heathrow operations but still operates a fleet of 747-400s from London-Gatwick and Manchester. Boeing 747 G-VLIP was delivered to Virgin in May 2011 and named "Hot Lips". In September 2019 the aircraft was renamed "The Falcon" and was painted in special "Star Wars; Galaxy Edge" colours. (London-Gatwick, 8 December 2019, Shaun Simpson)

Europe

The Netherlands

Bankrupt Jet Airways has sold its Dutch activities to [KLM](#) for USD 23 million. It consists of office space, slots at Schiphol and B777-300ER VT-JEW, which had been parked at Schiphol since April 2019.

France

On 2 January, [Air France](#) phased-out their first A380. It was ferried to Dresden for some maintenance by Elbe Flugzeugwerke. It is unknown if the lessor Dr. Peters Group will remarket the plane or that it will be scrapped.

Germany

On 22 January, [WDL Aviation](#) phased out their last BAe146. The carrier continues to operate their fleet of four E190s under the German Airways-brand.

Greenland

[Air Greenland](#) will continue to operate an Airbus as it signed

a Memorandum of Understanding (MOU) for one A330-800. Once finalised and delivered, it will replace the airline's current A330-200. Air Greenland made its decision, choosing between a new B787-8, a new Airbus A330-800 or a younger leased A330-200. With this latest order, Airbus now has a total of fifteen orders for the A330-800, compared to 338 for the A330-900. The airline is also considering to order an A320 to complement its fleet.

Italy

The Italian Civil Aviation Authority, ENAC, has suspended the Operating License of [Ernest Airlines](#) on 13 January. So far, no reason was given. The date was chosen to let the airline continue operations during the holiday period; including the Ukrainian New Year, as this was a key market for the airline. Ernest Airlines was founded in 2016 and currently operated a fleet of four Airbus: one A319 and three A320s. Its main base was Milan-Malpensa.



Allegiant has transformed itself from an MD-80 operator to an all Airbus operator in recent years. As of today it operates a fleet of 99 A319 and A320 aircraft. Twelve were ordered new from Airbus, all the others were taken over from other airlines. Seen here is an ex easyJet Switzerland Airbus A319. The aircraft is registered N302NV and is one of the first Airbus aircraft that entered Allegiant's fleet in 2013. In October 2019 the Airbus was painted in special Golden Knights colours. (Las Vegas-McCarran (NV), 01 December 2019, Robert Eikelenboom)

Poland

LOT is in full expansion mode and is looking to several options for both their narrowbody- and widebody-fleet. For the first they are looking to acquire more former Azul E195s, which can be as many as up to 30 planes. For the latter the airline is looking into adding at least two former Singapore Airlines B777-200ERs.

Russia

With the introduction of its new Airbus A350-900, Aeroflot will also introduce a new livery. Delivery is expected in a few weeks, when it will become VQ-BFY. Commercial flights are to start on 29 March, with New York-JFK (NY) being the first destination. Aeroflot has a total of 28 orders and commitments for the A350.

Sweden

The December-update on the orderbook of Airbus shows the order for ten A220-100s for BRA has been cancelled. Originally the planes - five CS100s and five CS300s - were ordered by Malmö Aviation at Bombardier in 2011, with deliveries to begin in 2014. However, Malmö Aviation was taken over by BRA. BRA subsequently changed the order into ten A220-100s, but, last year the airline decided to abandon the order due to concerns about the growth of traffic, passenger taxes and flight-shaming. BRA, however, is not planning to abandon its plans to operate jets, as the airline will wet-lease up to five Embraer E190s from German Airways (previous known as WDL Aviation). These are planned to be in place from March onwards.

United Kingdom

In order to secure survival, Flybe's owners reached a deal with the UK Government to receive a tax holiday on the Air Passenger Duty-tax. This holiday meant the airline would not have to pay around GBP 106 million in taxes and this, combined with further investments by owner Connect Airways, ensured that the airline could continue to operate and reshape itself into Virgin Connect later this year.

Titan Airways will take delivery of two A321neoLRs later this year which will replace the company's two B757-200s. Titan is in the progress of becoming an all-Airbus operator

and currently operates a fleet of one A318, two A320s, three A321s, two B737-400Fs and one B767-300ER. The B767-300ER is planned to be replaced by an A330-200 in Spring.

Africa

Nigeria

Azman Air has acquired former Virgin Atlantic A340-600 G-VYOU, currently registered as 2-EALJ. The plane is to be used on new international routes as well as Hajj-flights. It is unknown when the plane will be delivered. Azman currently flies two B737-300s and four B737-500s.

Asia

China

The China Aircraft Leasing Group Holding, CALC, made some changes to its existing orderbook for the Airbus A320neo-family. The group decided to swap fifteen orders for the A320neo into the larger A321neo, but also decided to order a further 40 A321neos. CALC now ordered a total of 66 A321neos. CALC is a large customer for the A320neo-family, as it ordered 252 of them. So far, 87 A320neos and one A321neo have been delivered to the lessor's customers.

Xiamen Airlines, which has always been an airline operating Boeing-designs only, now decided to expand its fleet with... Airbus-aircraft. The airline issued an RFP to lessors, in which it seeks proposals for the lease of ten A321neos. The new aircraft should be delivered between the second half of 2021 and 2023. Xiamen Airlines was founded in 1984 and currently its fleet consists of 167 aircraft: all B737s and B787s.

Malaysia

Malaysia Airlines announced it has deferred the delivery of its order for 25 B737-8s. In a statement the airline said the type's discontinuation of production and delayed return to service forced management to make this decision. The airline did not say when it now plans to receive the new jets. In July 2016, Boeing and Malaysia Airlines announced the order for 25 B737-8s, plus an option for a further 25. Right after the grounding of the MAX, in March of last year, the airline said it would look into the effects on its order.

South Korea

In the next two months, T'Way Air will decide which wide-body they will add to the fleet to open new long-haul destinations. The airline is deciding between the A330, B777 and B787. However, it already said the B777 is probably too big and new B787s might be too expensive. T'Way is eyeing further away routes to Australia, Hawaii and Asia.

Latin America

Argentina

To replace the capacity of their two A340-300s, Aerolineas Argentinas is planning to add two more A330-200s, taking the A330-fleet to twelve. The airline has one remaining A340 (LV-FPU) in service that is expected to be phased-out later this quarter. Their other A340 (LV-FPV) was ferried to Orlando-Sandford (FL) early January after retirement.

Colombia

BOC Aviation will lease at least ten, but up to twelve A320neos to Avianca. Consequently the airline cancelled orders for twenty A320nes with Airbus. Back in 2015 the airline signed a 100-plane order for the A320neo-family, but last year they also to cancelled 17 of those and defer 35 deliveries from 2020-2022 to 2026-2028.

Middle East

Qatar

At the end of December, Qatar Airways took delivery of seven B787-9s. Nothing remarkable you would say, but yet there was. Because, all planes were ferried from Seattle (WA) to Doha on 27 and 28 December, but ferried back to the US, to Victorville (CA) a day after arriving in Doha. The airline was obligated by contract to take delivery of the planes before the end of the year, but as the seats for the business class were not ready yet, they couldn't put the aircraft into service, hence the transfer to Victorville (CA). The flights to Doha were needed for the paperwork to be correct (export, taxations etc.).

Oceania

Kiribati

On 26 December, Air Kiribati took delivery of its first of two Embraer E190-E2s. With the delivery of the new plane, the airline now has the ability to open up new international

routes, as well as to fly non-stop to and from Kiritimati Island. The island groups were too far apart for existing types in the fleet, and flights always included the need for a stop-over at Fiji. Air Kiribati's existing fleet is comprised of two DHC-6s, one DHC-8 and one Harbin Y-12.

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

Accipiter	20	A320neo
AerCap	5	A320neo
Aer Lingus	6	A321neo
Air Arabia	73	A320neo
	47	A321neo
AirAsia X Malaysia	30	A321neo
	12	A330-900
Air Austral	3	A220-300
Air China	20	A350-900
<u>Air France</u>	<u>60</u>	<u>A220-300</u>
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
Cebu Pacific Air	16	A330-900
China Airlines	11	A321neo
CIT Leasing	10	A330-900
DAE Capital	2	A350-900
Delta Air Lines	5	A220-100
easyJet	12	A320neo
Emirates	50	A350-900
flynas	10	A321neo
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
<u>Nordic Aviation Capital</u>	<u>6</u>	<u>A220-100</u>
	<u>14</u>	<u>A220-300</u>



With 709 Boeing 737-700s and 737-800s in service, Southwest is by far the largest operator of the Boeing 737. It is also the largest single customer of the 737 MAX. Southwest Airlines placed the first order for the Boeing 737 MAX on the 13th of December 2011. In total it ordered 296 737 MAX aircraft, of which 34 had been delivered at the moment the 737 MAX was grounded. Boeing 737 Max 8 N8734Q is one of them and is seen here stored at Victorville (CA). (2 December 2019, Robert Eikelenboom)



Airbus A320neo MSN 9346 is one of the 136 Airbus narrowbody aircraft that were delivered to China in 2019. The aircraft is seen here at Hamburg-Finkenwerder with test registration D-AUDB on 30 December. The aircraft was delivered to China one day later and arrived in the new year in China with its Chinese registration B-30DA. (Robert Eikelenboom)

<u>Private</u>	2 ACJ319neo (+1)	Lufthansa Cargo	2 B777F
	2 ACJ320neo	Private	2 BBJ
	1 ACJ350-900		2 B787-9
Qantas	10 A321neo	Qatar Airways	5 B777F
Saudia	30 A320neo	Royal Air Force	4 P-8A
Starlux	5 A350-900	Royal Norwegian Air Force	5 P-8A
	12 A350-1000	<u>Southwest Airlines</u>	1 B737
Tigerair Taiwan	7 A320neo	SunExpress	10 B737-8
Uganda Airlines	2 A330-800	Turkmenistan Airlines	1 B777-200LR
<u>Unidentified</u>	10 A220-100	<u>Unidentified</u>	37 B737
	4 A220-300		1 B767-300F
	4 A330-800		2 B777-300ER
	40 A330-900		10 B787-9 (+2)
	43 A320neo		4 B787-10
	53 A321neo	UPS	4 B767-300F
	12 A330-900	US Air Force	15 KC-46A
<u>United Airlines</u>	50 A321neo	US Navy	10 P-8A
Virgin Atlantic	8 A330-900	Total	246 (+3)
Wizz Air Hungary	20 A321neo		
Total	1131 (+171)		

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
Total	58

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
CALC	2 B787-9
China Airlines	6 B777F
DHL	4 B777F
Emirates	30 B787-9
FedEx	6 B767-300F
Korean Air	10 B787-9
	10 B787-10
Lufthansa	20 B787-9

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
Total	50

Embraer 2019 firm orders

Air Peace	13 E195-E2
Binter	2 E195-E2
CIAF	3 E190
Congo Airways	2 E175
Fuji Dream Airlines	2 E175
SkyWest Airlines	7 E175
United Airlines	20 E175
Total	49

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

Jetliners

A220	-300	55074	SU-GFE	EgyptAir. Delivered on 16 January.
A320	-212	1416	D-AICK	Condor, ex EC-NAC of Thomas Cook Airlines Balearics. Returned to Condor and registered again in Germany on 12 January.
	-233	1624	OE-IKW	Avolon, ex TC-ATT of AtlasGlobal. Registered in Austria on 10 January. The aircraft was ferried to Kemble for storage and scrapping on 20 January.
	-214	1725	ES-SAS	Jetstar Pacific Airlines, ex ES-SAS of SmartLynx Estonia. Delivered on lease on 14 January.
	-232	1896	ES-SAM	Jetstar Pacific Airlines, ex ES-SAM of SmartLynx Estonia. Delivered on lease on 14 January.
	-232	1909	XU-717	Sky Angkor Airlines (addition Scramble 488 – Page 37).
	-232	1979	SX-KAT	Flynas, ex Orange2fly. Delivered on lease early January.
	-214	3949	HK-5222	Viva Air Colombia, ex LY-NVT of Avion Express. Delivered on 13 December.
	-271N	9071	D-AINV	Lufthansa. Delivered on 14 January. Test registration was D-AUBL.
	-251N	9451	SE-ROK	SAS Scandinavian Airlines. Delivered on 14 January. Test registration was F-WWDS.
A321	-211	5872	C-GTCY	Air Transat, ex OE-IDT of ALC - Air Lease Corporation. Delivered on 9 January. Former G-TCDC of Thomas Cook Airlines.
	-211	6615	VN-A522	VietJetAir, ex OE-IKM of ICBC Leasing. Delivered on 22 January. Former G-TCDR of Thomas Cook Airlines.
	-211	6968	VN-A541	VietJetAir, ex OE-IKO of ICBC Leasing. Delivered on 17 January. Former G-TCDL of Thomas Cook Airlines.
	-211	7003	VN-A535	VietJetAir, ex G-TCDM of Thomas Cook Airlines. Delivered on 19 January. Registered in between as F-WTBH of Avation Plc.
	-211	7048	VN-A542	VietJetAir, ex OE-IKP of ICBC Leasing. Delivered on 30 December. Former G-TCDN of Thomas Cook Airlines.
	-211	7055	VN-A544	VietJetAir, ex G-TCDO of Thomas Cook Airlines. Delivered on 11 January. Registered in between as F-WTBI of Avation Plc..
	-251NX	9073	VP-BOQ	Ural Airlines. Delivered on 23 January. Test registration was D-AYAI.
	-271NX	9076	TC-LSN	Turkish Airlines. Delivered on 28 December. Test registration was D-AZAU.
	-271NX	9121	N2027J	jetBlue Airways. Delivered on 2 January. Test registration was D-AVZS.
A330	-243	1016	N819CA	National Airlines, ex OE-IEJ of ALC - Air Lease Corporation. Delivered on 23 December. Former G-TCXD of Thomas Cook Airlines.
	-941	1870	PK-GYA	Citilink. Delivered on 17 January. Airframe originally intended for WOW Air. Test registration was F-WWKS.
A340	-642	1040	EC-NFQ	Plus Ultra Líneas Aéreas, ex 2-EALA of European Aviation Group and former A6-EHL of Etihad Airways. Delivered on 21 January.
A350	-941	351	B-30DM	Hainan Airlines. Delivered on 16 January. Immediately ferried to Lourdes for storage on the day of delivery. Test registration was F-WZNS.
	-941	355	B-30DP	Hainan Airlines. Delivered on 17 January. Immediately ferried to Lourdes for storage on the day of delivery. Test registration was F-WZGU.
	-941	376	B-30CE	China Southern Airlines. Delivered on 28 December. Test registration was F-WZNG.
	-941	379	9V-SHM	Singapore Airlines. Delivered on 22 January. Test registration was F-WZFZ.
BAe146	-200	E2050	VH-SBZ	Pionair, ex D-AWUE of WDL Aviation. Delivered on 21 November as D-AWUE and registered on 17 January.
B737	-3H4	27955	LZ-EBB	Electra Airways, ex N604SW of Wilmington Trust Co. Delivered as N604SW on 2 August. Registered on 22 November.
	-8BK	29642	OM-LEX	Fly All Ways, ex AirExplore. Leased per 13 December.
	-8HX	29677	XA-DDD	AeroMéxico, ex F-GZHF of Transavia France. Delivered on winter lease on 11 December.



In Scramble 488 we placed a picture of a Garuda A330neo (page 41). In the photo caption we mentioned that a few of the sixteen A330neos Garuda has ordered would be delivered to their low cost daughter Citilink. PK-GYC was the first A330neo in the green Citilink colours. It was originally built for WOW air and already painted in the purple WOW colours After a repaint it was delivered to Indonesia on 3 December 2019. (Denpasar, 30 December 2019, Pascal Simon)



United's Boeing 767-300ER N656UA, was the third 767 in their fleet to receive the new colours. The aircraft was delivered new to United 27 years ago in January 1993. (Amsterdam-Schiphol, 27 December 2019, Ton Jochems)

-81M	33104	EI-GRS	AlbaStar, ex A40-BR of Oman Air. Delivered on 8 January.	
-8AS	33544	N547CC	Bank of Utah, ex EI-DAD of Ryanair. Registered on 7 January. Ferried to China for conversion to freighter late December.	
-8AS	34999	TC-JZL	AnadoluJet, ex EI-ESY of Ryanair. Delivered on 21 January.	
-86J	36119	OO-TUK	Miami Air International, ex OO-TUK of TUI fly Belgium. Delivered on winter lease on 26 December.	
-86J	36883	OO-TUV	Miami Air International, ex OO-TUV of TUI fly Belgium. Delivered on winter lease on 31 December.	
-8K5	37261	G-FDZY	Sunwing Airlines, ex TUI Airways. Delivered on winter lease on 11 December.	
-8GJ	37360	OK-TSF	Air Transat, ex Smartwings. Delivered on winter lease on 16 December.	
-8JP	39023	B-1185	Ruili Airlines, ex EI-GBG of Norwegian Air International. Delivered on 6 January Registered as N230SA of TVPX Aircraft Registration Services and T7-GBG in between.	
-8JP	39031	TC-JZO	AnadoluJet, ex LN-NGV of Norwegian. Delivered on 23 January.	
-8AL	39059	G-DRTL	Jet2, ex 2-TJFJ of Allenwood Aircraft Leasing Ltd. Delivered on 18 January.	
-86N	39394	OK-TVV	Sunwing Airlines, ex Smartwings. Delivered on winter lease on 14 January.	
-81D	39437	OK-TSE	Sunwing Airlines, ex Smartwings. Delivered on winter lease on 12 December.	
-8HC	40776	D-ADAA	SunExpress Germany, ex TC-SNO of SunExpress. Transferred on 21 January.	
-8HC	40777	D-ADAB	SunExpress Germany, ex TC-SNP of SunExpress. Transferred on 21 January.	
-8K5	40944	OO-JAY	Miami Air International, ex TUI fly Belgium. Delivered on winter lease on 23 January.	
-8JP	41153	SE-RPJ	Norwegian Air Sweden, ex EI-FJS of Norwegian Air International. Transferred on 21 January.	
-8JP	42073	SE-RPK	Norwegian Air Sweden, ex EI-FJL of Norwegian Air International. Transferred on 24 January.	
-8JP	42076	SE-RPF	Norwegian Air Sweden, ex EI-FJO of Norwegian Air International. Transferred on 14 January.	
-8JP	42077	SE-RPG	Norwegian Air Sweden, ex EI-FJP of Norwegian Air International. Transferred on 16 January.	
-8JP	42079	SE-RPH	Norwegian Air Sweden, ex EI-FJT of Norwegian Air International. Transferred on 18 January.	
-8JP	42080	SE-RPL	Norwegian Air Sweden, ex EI-FJV of Norwegian Air International. Transferred on 23 January.	
-8AS	44705	9H-QBI	Malta Air, ex EI-FIV of Ryanair. Transferred on 10 January.	
-8AS	44706	9H-QBJ	Malta Air, ex EI-FIW of Ryanair. Transferred on 18 January.	
-8AS	44719	9H-QBW	Malta Air, ex EI-FOK of Ryanair. Transferred on 24 January.	
-8AS	44725	9H-QCF	Malta Air, ex EI-FOV of Ryanair. Transferred on 23 January.	
-8AS	44727	9H-QCD	Malta Air, ex EI-FOS of Ryanair. Transferred on 15 January.	
-8AS	44728	9H-QCG	Malta Air, ex EI-FOY of Ryanair. Transferred on 14 January.	
-8AS	44733	9H-QCO	Malta Air, ex EI-FRI of Ryanair. Transferred on 14 January.	
-8AS	44734	9H-QCP	Malta Air, ex EI-FRJ of Ryanair. Transferred on 15 January.	
-8AS	44735	9H-QCQ	Malta Air, ex EI-FRK of Ryanair. Transferred on 11 January.	
-8AS	44739	9H-QCV	Malta Air, ex EI-FRR of Ryanair. Transferred on 22 January.	
-800	44769	9H-QDT	Malta Air, ex EI-FTT of Ryanair. Transferred on 20 January.	
-800	44804	9H-QDN	Malta Air, ex EI-GDG of Ryanair. Transferred on 24 January.	
-800	44820	9H-QED	Malta Air, ex EI-GDZ of Ryanair. Transferred on 22 January.	
-800	44821	9H-QEG	Malta Air, ex EI-GJD of Ryanair. Transferred on 19 January.	
B747	-222BF	23737	UP-B4702	Sigma Airlines, ex N794CK of Kalitta Air. Delivered on 22 December.
B777	-F	66579	TC-LJS	Turkish Airlines. Delivered on 23 January. Line # 1640.
B787	-8	34835	JA825J	ZIPAIR Tokyo, ex JA825J of Japan Airlines. Transferred in January.
	-10	40926	N12010	United Airlines. Delivered on 24 December. Line # 948.
	-10	40934	N14011E	United Airlines. Delivered on 30 December. Line # 950.
	-9	60327	S2-AJX	Biman Bangladesh Airlines. Delivered on 23 December. Aircraft originally built for Hong Kong Airlines. Line # 891.
	-10	60765	A6-BMH	Etihad Airways. Delivered in a special "Greenliner" colour scheme on 22 January. Line # 954.
	-9	62145	EC-NFM	Air Europa. Delivered on 11 January. Line # 952.
	-9	62735	VN-A818	Bamboo Airways. Delivered on 15 January. Line # 924.
	-9	62739	VN-A818	Bamboo Airways, ex B-1140 of Hainan Airlines. Delivered on 18 January.



LGW (Luftfahrtgesellschaft Walter) took delivery of this Dash 8-400 D-ABQA in October 2008. It had operated the aircraft on behalf of Air Berlin in the red Air Berlin colours since then. After the bankruptcy of Air Berlin in 2017 the red colours were removed and the Air Berlin titles were replaced with Eurowings titles. In December 2019 some colour was added with the application of this special FC Union Berlin colour scheme. (Berlin-Tegel, 17 January 2020, Stephan Ehrig)

	-9	64209	A7-BHF	Qatar Airways. Delivered on 27 December. Line # 949.
	-9	64210	A7-BHC	Qatar Airways. Delivered on 27 December. Line # 927.
	-9	64211	A7-BHG	Qatar Airways. Delivered on 27 December. Line # 951. Just as the four Qatar 787-9s delivered the day before (see Scramble 488 – Page 42), these three 787-9s returned to the US to Victorville (CA) immediately after arrival at Doha. Qatar had contractual obligations to take delivery of these seven 787-9s. For registration reasons, the aircraft needed to be in Qatar to receive the "A7-" registration. Why they were ferried back to the US is a little unclear, but most cited reason is that the new business class seats were not ready by the end of December.
ERJ	135BJ	14500948	OE-IOI	360 Aviation GmbH, ex M-ARDA of MRH IOM Ltd. Registered on 20 January.
	135BJ	14501206	ES-FOX	Panaviatic, ex N798MS of Minsheng International Jet. Delivered in November.
	190LR	19000063	D-AZFA	WDL Aviation, ex N963AZ of E190 MSN063 LLC. Delivered as N963AZ on 12 January.
	190LR	19000114	D-ACJJ	BRA - Braathens Regional Airlines, ex WDL Aviation. Leased from WDL per 12 January.
	190STD	19000771	F-HBLP	Air France HOP. Delivered on 30 December.
	195E2STD	19020027	EC-NHA	Binter Canarias. Delivered on 30 December.

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

Commuters

ATR42	-500	490	G-LMRA	Loganair, ex F-GPYD of HOP!. Delivered on 14 January as F-GPYD and re-registered two days later.
ATR72	-212A	704	F-HBCL	Chalair, ex HS-PGM of Bangkok Airways. Delivered on 30 December. Registered as F-WNUA in between.
	-212A	1064	ES-ATH	Nordica, ex EI-GIW of Celestial Aviation Trading 27 Ltd. Operating for SAS Scandinavian Airlines. Delivered on 8 January.
	-212A	1297	PR-PDO	VoePass Linhas Aéreas, ex EI-FMK of Stobart Air. Delivered on 16 January.
	-212A	1300	EI-GPN	Stobart Air, ex G-FBXC of Flybe. Delivered on 2 January as G-FBXC.
	-212A	1599	G-ORAI	Aurigny Air Services. Delivered on 10 January.
	-212A	1626	SE-MKM	BRA - Braathens Regional Airlines. Delivered on 15 January.

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

Propliners

Beech	D18S	A-952	C-GKAX	New registration for ex N766L, will be based at Hamilton (Ont.), Canada.
	C-45H	AF-29	N18D	Registered to the same people who have Grumman Widgeon N444M. This twin Beech is ex N181MH and was given its new identity on 15 November 2019.
Canadair	CL-215	1065	N65CL	Ex Manitoba Government C-GUMW was cancelled from the Canadian register on 6 January 2020, and registered to a company called CL-415 Aviation Salvage. We hope they are aware their purchase is a CL-215, but we expect they will just take the valuable parts for the various conversions that are in progress right now.
	CL-215	1068	N36CL	Ex Manitoba Government CL-215 C-GYJB was also transferred to the US register, with the same details. No visual confirmation of these US registrations actually applied.
Convair	580	176	YV-2448	A series of pictures of this aircraft taken in 2011 were shared on Facebook this month. Ruud Leeuw performed an online search in which he concluded that this is ex-C-GFHF of Hydro Quebec. That Convair was exported to Colombia in September 2004 as HK-4334. As such it was noted parked at Bogota in 2006, still in the same colours, operating for AviHeco. The pictures of YV-2448, painted with the hyphen, were taken in 2011 at Cabinas-Oro Negro Airfield, on the shores of Lake Maracaibo in western Venezuela. The most recent images from Google Earth still show a Convair at that exact same location. YV2448 was assigned to an RC695 when the new four digit register was adopted in Venezuela.

	580	381	ZK-CIF	Ex YV-67CP (12014) was never reported with its new registration, only offered for sale as such in 2010. That is right around the time this Convair arrived in Cabinas. It looks like YV-2448 is also not an officially assigned registration.
DHC	2	1415	AP-AMB	Was withdrawn from use late last year with Air Chathams. It is now in the process of being converted to an accommodation in Whanganui, New Zealand.
	2	1492	VH-AAM	Crashed on 12 January 2020, near Rahim Yar Khan while on a locust spraying mission. Written off, with about 7,600 flight hours in its log, a few days short of its 60th birthday. See Dustpan & Brush for more details.
Douglas	C-47A	25808	HK-4045	Sydney Seaplanes, flipped over in the harbour on 12 August 2019. The airplane has been exported from Australia to Canada on 3 January 2020. We expect this is for the restoration process.
	C-47B	32761	YV-911C	Ex Alcon Colombia, long time derelict fuselage at Villavicencio, was recently reported as 'taken out of the bushes', noted in one of the hangars in January 2020, being refitted with new skin panels. Story has it it is not going to return to the skies, but it's being prepared for preservation, at a new location in Bogota.
	C-47B	33135	ZK-AWP	Sol del America, was stored at Valencia Airport in Venezuela. It has been moved to a city park, where in December a theme park opened called "Draculandia", a prestige project by the Governor of the State of Carabobo who names himself count Dracula... Somebody needs to save these people!
Grumman	S-2F-1	417	N508JR/95	Air Chathams, now painted in full colours of New Zealand National Airways Corporation. Noted operational as such at Auckland on 18 December 2019.
				Privately owned Grumman Tracker flying for the State of Kansas. They invested in this ex Cal-Fire Tracker. It was purchased from a Nevada museum, and made airworthy again. First mission was on 9 November 2019 over Cheyenne county. It is now on a contract to fight fires in the state of Kansas and based at Hutchison Municipal Airport.
Fairchild	C123K	20130	N681DG	Hagerstown Aviation Museum, bought this C-123 in 2012 when it was parked at Miami-Opa Locka Airport. It flew to Ft Lauderdale-Executive Airport FL), where restoration was to take place. After seven years they decided to transport the airplane by road to the museum. It was moved by road in December 2019 and arrived in Hagerstown just before Christmas, and reassembly started straight away.
Lockheed	C-121C	4175	HB-RSC	Super Constellation "Star of Switzerland" was moved from Zurich International Airport to Eschbach-Bremgardten Airfield in southern Germany, about 125 kilometres north of Zurich, on 27 November 2019. The airplane will be rebuild and made airworthy by Meier Motors. The wings have been removed and were sent separately. Good luck with this project.
	EC-130Q	4904	N134CG/134	Coulson Air Tankers, only in its second fire season it crashed in action, while fighting a bushfire in Australia on 23 January 2020. The Hercules was taken from storage in 2017 and converted. It joined the Coulson fleet as N130CG/134 in late 2018 and reregistered N134CG/134 in May 2019. Dustpan & Brush has more details.
Max Holste	MH1521	5C	C-GRBL	This Canadian Broussard, painted as French Air Force with code 30/QA, was cancelled from the Canadian register as transferred to the UK.
PBY	5A	300	N459CF	Collings Foundation, actually noted with its new identity, being worked on at the hangar in New Smyrna Beach (FL) 30 December 2019. Ex Dutch Catalina PH-PBY.
	5A	1785	N423RS	Parked in an industrial yard near the airport in New Smyrna Beach (FL) and noted 30 December, reportedly moved there late 2019 from Ft. Pierce (FL).
	5A	1821	N4582U	Identity confirmed at New Smyrna Beach (FL), former Kirtland AFB gate guard, painted as 44-34077. Now being prepared for a static display in a Russian museum.
	Canso-A	CV-264	N983CF	Collings Foundation, ex Canso C-FPQK. Rescued from St Hubert in 2017, was under restoration by the Collings Foundation but work has stopped after the purchase of the Dutch Catalina in 2019. The airframe was noted in a hangar at New Smyrna on 30 December 2019. Its future is uncertain. Uncontrolled speculation on social media, about the airplane going to Holland, is confirmed to be <u>not</u> true.

Credits: Aad van der Voet, Michael Prophet, Ruud Leeuw, Peter Gralla Sr., Neil Aird (DHC-2.com), Ralph Petterson (Conniesurvivors and Proplinerexchange), online propliner and photo communities.

Fokker News



Alliance Airlines Fokker 100 VH-UQG is seen here fully painted in "Wyndham Australia - London England and Edward Kingsford Smith" markings, at Norwich on 7 January 2020 by Bob Ward. It left two days later on delivery to Australia via the usual route Down Under, to arrive at Brisbane on 19 January. It stopped at Bratislava for a few days, between 10 and 15 January, before continuing its journey as SXI2003.

F27	-050	20306	VH-FKW	Alliance Airlines. Left Adelaide on the last day of 2019 and arrived at Singapore-Seletar on the first day of the new year, using SX11963 as callsign. It will undergo maintenance there.
F28	-0100	11520	VH-UQG	Alliance Airlines. Left Norwich 9 January to start its journey to hot and burning Australia, where it arrived on 19 January. Is painted in special yellow colours and has additional titles: Wyndham Australia London England and Edward Kingsford Smith. Sir Smith was an early Australian aviator. In 1928, he made the first transpacific flight from the United States to Australia.

Credits: Merv Crowe, Skyliner.

Bizjets



This factory fresh Falcon 7X (ex F-WWHL msn 287) was only recently registered in and delivered to its new Dutch owner Exxaero as PH-GWS. (Amsterdam-Schiphol, 11 January 2020, Pino Tome)

Cessna	510	0475	S5-CMS	Noted Graz on 18 January, ex G-ERLI.
	525	1041	D-IMIM	TRS Aviation Consulting, delivered through Wick on 22 December.
	525B	0156	N981AM	Avicase, ex 2-POSH. Registered on 30 October.
	525B	0200	OE-GMF	Avcon Jet, ex CS-DVJ. Registered in January.
	525C	0317	E7-GPS	First noted on 11 January.
	680	0234	N680FS	TVPX Aircraft Solutions, ex G-CFGB. Registered on 25 October.
	680	0272	3001	Fuerza Aérea del Paraguay, ex TC-RED. Noted at Gran Canaria on 6 November.
	680A	0075	N935EF	Quattro Equipment, ex F-HSAO. Registered on 17 October.
	680A	0197	D-CAWN	Aerowest, ex N213RK. Noted Innsbruck on 25 November.
	680A	0211	CS-LTM	NetJets Europe, noted at Barcelona on 24 October.
	750	0031	N974JS	Juliette Lima Bravo, re-registered from N22RG on 18 October.
Challenger	300	20100	N7CS	N456KT, re-registered from N456KT on 18 October.
	300	20131	N495EC	Edwards Challenger 300, re-registered from N390DB on 17 October.
	350	20821	N594FX	Bombardier Aerospace, ex C-GOYN. Registered on 22 October.
	604	5727	N895CC	K & S Aircraft, re-registered from N400ES on 17 October.
	605	5756	N131GM	Stanton Aviation, re-registered from N1TK on 18 October.
Eclipse	EA500	000007	N527MA	Registered on 6 January, ex TC-KEA.
	EA500	000048	N410JG	Reregistered on 26 December, ex N570RG.
	EA500	000072	2-CLRK	Update on registration. See Scramble 487 .
	EA500	000093	N233MT	Reactivated on 30 December, was cancelled in October 2018.
	EA500	000168	HC-	Ex N799F, which was cancelled on 8 January. To Ecuador.
Embraer	500	50000130	N100EX	Former CS-DVC of Valair Aviação Ltda. was sold to SBI Aviation Group LLC.
	500	50000293	N203SS	Ex F-HFFD of Pap Fox was sold to Maxx Media LLC in the U.S.
	505	50500533	CS-PHO	A brand new Phenom 300 was delivered to NetJets Europe in November.
	550	55000076	D-BASS	Former N676EE of Embraer Executive Aircraft Inc. was sold to a yet unknown owner/operator in Germany in December.
	550	55020114	OE-HPL	Former PR-LHH of Embraer Executive Aircraft Inc. was sold to Speedwings Executive Jet GmbH in Austria.
Falcon	10	221	TR-CBO	F-GPFD was exported to Gabon at the end of 2014 and is now wfu at Libreville as TR-CBO.
	50	151	TR-CHB	F-GPGS was exported to Gabon back in December 2012. Registration is now known, however it seems to be wfu at Libreville.
	50	160	N831RW	AMC Aviation, re-registered from N82CA in October.
	7X	53	N1902C	Carrier, ex N12U. Registered on 7 January.
	7X	192	N1927X	Bank of America, ex XA-JHS. Registered on 28 October.
	7X	287	PH-GWS	Exxaero, ex F-WWHL. Delivered to Amsterdam-Schiphol on 11 January.
	8X	407	F-GSMS	Dassault Aviation, ex A6-SMS. Registered on 17 January.
	900	36	VH-CAD	Falconair, ex N922JW. Registered on 24 December.
	900EX	79	N78CY	Corning, re-registered from N788CG on 24 October.
	900EX	191	N516MF	Bakers MF, re-registered from N191AE on 15 October.
	2000EX	3	N358DA	TVPX Aircraft Solutions, ex HB-IAJ. Registered on 21 October.
	2000MSA	346	JA575A	Mitsui Bussan Aerospace, ex N346FJ. Registered on 23 December.
	2000LX	356	T7-TZE	First noted on at flight to Subang on 20 January. Operated by Luxaviation San Marino.
Global	Express	9071	N888RU	Reregistered on 26 December, ex N888ZJ.

	5000	9445	EI-IIN	Exported from the USA on 15 January, thereafter to Ireland.
	5000	9862	N729KP	Ex C-GEXB, registered to Bombardier on 26 December.
	5000	9874	C-GOEI	Ex N2001C, registered to Bombardier on 27 December.
	6000	9649	N79EW	Reregistered from N70EW on 31 December.
	6000	9765	D-AIFL	Registered to ACM Air Charter end of December, ex N666HY.
	6000	9831	N176HS	Reregistered on 23 December, ex N165KD.
	6000	9851	OE-IMB	Already registered to Avcon Jet on 26 June 2019, ex C-GAOF.
	6000	9860	9H-IRC	Ex C-GDRU. Exported from Canada to Malta on 6 January.
	6000	9864	9H-SSU	Ex C-GEVW. Exported from Canada on 27 December.
	6000	9873	2-KSFR	Ex C-GFTE. Exported from Canada to Guernsey on 6 January.
	7500	70007	N203JE	Registered on 31 December, ex C-FXBC.
	7500	70025	N919FG	Registered on 27 December, ex C-GAUC.
	7500	70026	T7-GMC	Ex C-GAUK, exported from Canada on 27 December.
Gulfstream	III	319	XB-OZA	Noted at Acapulco on 30 July, ex N200SK.
	IV	1061	N998GP	Avire, ex N999GP. Noted at Van Nuys (CA) on 20 January.
	IVSP	1343	N37CC	Executive Jet Management, re-registered from N1CC on 18 October.
	IVSP	1378	N269WP	Westgate Resorts, re-registered from N269WR on 15 October.
	G300	1526	N700NY	Four M Aviation, re-registered from N160TM on 17 October.
	G450	4170	N776BT	Hilltop Asset Holding, re-registered from N8882C on 18 October.
	G450	4172	T7-BLN	Noted at Guernsey on 6 January, ex SX-GAB.
	G450	4278	N882DL	Lamendolaero, re-registered from N556CH on 24 October.
	G450	4307	OE-IKX	MJet, ex T7-IIE. Registered on 16 January.
	G550	5025	N95VE	Chim Chim Aviation, re-registered from N356WW on 30 October.
	G550	5051	VP-CAE	KC-Aviation, ex VP-BNE. Registered in December.
	G550	5115	N230BD	Meridian Air Charter, re-registered from N838LM on 21 October.
	G550	5279	N883SJ	Bank of Utah, ex EC-LIY. Registered on 25 October.
	G550	5319	N8988	Altitude 51, ex B-8137. Registered on 29 October.
	G550	5478	T7-PRO	ACASS Canada, ex B-2226. Likely delivered in January.
	G550	5491	N491GA	Gulfstream Aerospace, ex C-GLFG. Registered on 11 October.
	G550	5594	N780CR	Gulfstream Aerospace, re-registered from N594GA in October. Registered to CMR III on 28 October.
	G550	5598	VP-CMB	Noted Tel Aviv on 30 December, ex N598GA. Operated by International Jet Management.
	G550	5600	HB-JAZ	Jet Aviation Business Jets, ex N560GD. Registered on 23 December.
	G650	6021	N650C	Mercer Air, ex N300CC. Delivered on 6 January.
	G650ER	6379	VP-CBP	Jet Aviation Business Jets, ex N679GA. Registered in December.
	G650ER	6389	M-SZSZ	Haidilao International Holding, ex N689GA. Registered on 20 January.
	G650ER	6383	VP-CHZ	Jet Aviation Business Jets Hong Kong, ex N683GD.
	G600	73012	N434PB	TVPX Aircraft Solutions, ex N612GD. Registered on 16 October.
	G600	73015	VP-BTM	Noted Farnborough on 20 January, ex N615GD.
	G700	87001	N700GA	The first prototype of the new G700 was registered on 24 October.
IAI	1126	7	N777ZR	Reregistered from N844RC on 6 January.
Pilatus	PC-24	151	VH-JMU	Former HB-VUZ of Pilatus Flugzeugwerke was sold to MT Air Charters Pty Ltd. / Pilatus Australia Pty Ltd. in November.
	PC-24	159	D-CJBH	Ex HB-VZH of Pilatus Flugzeugwerke was sold to Liberty Flightservices GmbH & Co. KG
	PC-24	162	HB-VZK	Registered to Pilatus Flugzeugwerke in November.
	PC-24	167	HB-VZO	Registered to Pilatus Flugzeugwerke in November.
	PC-24	168	HB-VZP	Registered to Pilatus Flugzeugwerke in November.
Raytheon	H4000	RC-46	N903SS	Former LX-LOE of Flying Service NV was sold to TVPX Aircraft Solutions Inc.
	H4000	RC-76	OY-JJI	Former M-ALIK of Nexus Flight Operations Services was sold to Sun-Air of Scandinavia A/S in Denmark.

Bizprops

Beech	B200	BB-1898	N73EM	Former LN-FIX of Airwing A/S was sold to Emerald Aviation Inc. in November.
	B200	BB-2010	PH-SLE	Ex LN-LTI of Lufttransport was sold to Slagboom en Peeters Luchtfotografie.
	B250	BY-161	N142RD	Operator in the U.S. is now known as Horizon Group Inc. Addition to Scramble 488 – Page ..
	B350	FL-479	F-GYEE	Ex N9104 of Wings Aviation Charter Services LLC was sold to CAE Aviation in France.
Cessna	208B	0946	G-SVAN	Parachuting Caravan Leasing, ex N23GS. Registered on 15 January.
	208B EX	5559	OE-EJN	Cycladesair Aviation, registered on 3 January.
Pilatus	PC-12/45	334	ZS-TJM	Former OH-YLV of Fly7 Executive Aviation was sold to Ringpro P/L in October.
	PC-12/47E	1175	M-ALLB	Former M-ALCB of M S Bartlett was re-registered for the same operator.
	PC-12/47E	1284	N420NG	Ex OK-PMC of OK Aviation Wings was sold to DG + AG LLC in the U.S. in December.
	PC-12/47E	1904	G-LBHA	Ex HB-FQH of Pilatus Flugzeugwerke was sold to Oriens Aviation Ltd. in November.
	PC-12/47E	1906	9H-WIT	Ex HB-FQK of Pilatus Flugzeugwerke was sold to NextGen Aviation (Malta) Ltd.
	PC-12/47E	1910	OM-AAK	Ex HB-FQO of Pilatus Flugzeugwerke was sold to an unknown operator in the Slovak Republic.
	PC-12/47E	1917	N254DL	Ex HB-FQV of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in November.
	PC-12/47E	1925	HB-FRD	Correction to Scramble 488 – Page 47.
	PC-12/47E	1926	HB-FRE	Registered to Pilatus Flugzeugwerke 31 October.
	PC-12/47E	1927	HB-FYB	Registered to Pilatus Flugzeugwerke 30 October.
	PC-12/47E	1928	HB-FRG	Registered to Pilatus Flugzeugwerke 22 November.
	PC-12/47E	1929	HB-FRH	Registered to Pilatus Flugzeugwerke 6 November.
	PC-12/47E	1930	HB-FRI	Registered to Pilatus Flugzeugwerke 14 November.
	PC-12/47E	1931	HB-FRJ	Registered to Pilatus Flugzeugwerke 11 November.
	PC-12/47E	1932	HB-FRK	Registered to Pilatus Flugzeugwerke 27 November.
	PC-12/NGX2001		HB-FRQ	Registered to Pilatus Flugzeugwerke 22 November.
			HB-FQI	Registered to Pilatus Flugzeugwerke in November. Later sold as:
			N47GX	To Pilatus Business Aircraft Ltd. in the US in December.
SOCATA	TBM-850	455	F-HHAB	Former N492B of 2 B Airborne BV was sold to Altair in France.
	TBM-850	547	2-RIDE	Former N25GJ was sold to an unknown operator in the register of Guernsey.



After almost ten years of service as LN-LTI with Lufttransport in Norway this Beechcraft B200 was sold to Slagboom en Peeters Luchtfotografie (Aerial Survey) as PH-SLE. (Lelystad, Richard Poeser, 12 December 2019)

Soviet Updates

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

Near the bottom of the same page (Soviet Transport database on www.scramble.nl) is a link to the Soviet Transports downloads page at the new and expanding [AirHistory.net](https://www.airhistory.net/info/soviet.php) 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.

This free service replaces an eventual new edition of the Soviet Transports book which nowadays would simply be too expensive to produce. This as a total rundown of all files in early 2019 shows a new book would equate over 1,800 pages, where it to be published in the same format, A4 with a small letter type.

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 (more than 145,000 records) consider using the advanced search options.

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

An-2T	1 32 473 02	CCCP-X1105	MM	mfd	28dec52	rgd 18may53; became CCCP-L1930(2)
An-2	1G73-23	RF-00355	ROSTO	Ove	06jul08	c/n now known, later became RF-25209
An-2P	1G141-65	RA-70411	not known	l/n	03aug19	at Kaluga Oreshkovo; canx betw. 27nov19 & 13jan20
An-2TP	1G161-44	MONGOL-144	MIAT Mongolia	ULN	aug94	c/n now known ex CCCP-07769
An-2R	1G164-11	CCCP-16058	PANKh	KRR	15jul94	canx between 27nov19 and 13jan20
An-2R	1G165-31	UR-19717	Kharkiv Aeroklub	dbv	27jun17	finally canx between 13dec19 and 31dec19
An-2R	1G173-10	UR-40783	BF osv. innovatsi	rgd	28jul15	canx between 13dec19 and 31dec19
An-2R	1G193-51	UR-68081	V.V. Synytsya	rgd	25may05	canx again between 13dec19 and 31dec19
An-2R	1G200-29	RA-71186	no titles	Nat	jun15	canx between 27nov19 and 13jan20
An-2R	1G214-22	RA-40664			oct19	disassembled Far Eastern Aerospace Mus. Ivanovka,
An-2R	1G217-29	UR-40989	Proskuriv-Avia	rgd	20aug12	canx between 13dec19 and 31dec19
An-2R	1G221-29	RA-40299	Vostok-Avia	rgd	03jun13	canx between 27nov19 and 13jan20
An-2R	1G222-04	RA-40327	Volgograd-Spetsavia	no	reports	canx between 27nov19 and 13jan20
An-2R	1G228-20	RA-33470			oct19	fuselage in Far Eastern Aerospace Museum Ivanovka
An-2R	1G228-24	RA-33474	Aviakhim	Nat	jun15	canx between 27nov19 and 13jan20
An-2T	1G236-20	UR-LVH	all-blue c/s, n/t	rgd	10jun13	canx between 13dec19 and 31dec19
An-2T	1G237-55	RF-67733	ROSTO	Blv	27may12	c/n now known
An-12AP	2 34 06 06	no serial	Sudanese Air Force	w/o	02jan20	crashed shortly after take off from El Geneina

An-12B	4 34 17 10	UR-UDD	Ukrainian Cargo Airways	20dec19	to be auctioned as scrap metal but no bidders
An-12BTSh	4 34 23 06	"50" red	Ukraine Air Force	20dec19	sold as scrap metal to Vitali Yu. Hazhala
An-12BK	9 34 68 05	RA-12193	Moskoviya	jan20	rep. scrapped; canx between 04jul17 and 04aug17
An-12BK	00 34 76 04	UR-UCN	Ukrainian Cargo Airways	20dec19	sold as scrap metal to Roman B. Dzyuba
M28	AJE 003-54	SP-DGP (2)	PZL Sp.z.o.o.	Mielec 19apr18	stored
M28	AJE 003 55	NA-063	Nepal Army Air Wing	h/o 18dec19	ex SP-DGO (3)
M28	AJE 003 56	NA-064	Nepal Army Air Wing	h/o 18dec19	ex SP-DGU (4)
An-32P	29 01	UR-UZH	Aviation Equipment	rgd 27dec19	d/d Gostomel to IEV 28dec19
An-74TK100	365 470 95 905	UR-CKC	Cavok Air	w/o 29jul17	finally cancelled between 13dec19 and 31dec19
II-76TD	00534 65956	5A-POL	Libyan Police ?	no reports	details from Ilyushin web-site operators' section
II-96-300	74393201004	96007	Ilyushin OKB	ZIA 30mar19	canx between 27nov19 and 13jan20
Ka-32A11BC	5233243110021	RA-31111		rgd 12dec19	
Ansats	33 107	RA-20041	not known	rgd 27dec19	line # 107
Ansats	33 108	RA-20028	not known	rgd 27dec19	line # 108
Ansats	33 109	RA-20029	not known	rgd 27dec19	line # 109
L-410UVP-E	87 18 16	9S-GDX	Air Fast	dam 28dec19	when went of runway on landing Kamina Airport
L-410UVP-E20	87 19 20	TI-BJM	Skyway	SJO 18dec19	l/n SJO 30dec19; ex 3B-NBR
L-410UVP-E	89 23 39	YI-BYD	no titles	photo 07mar17	taken at Bor and l/n JUB 30mar17; became UP-L4103
L-410UVP-E20	19 32 17	RA-67074 (2)	Siberian Light Aviation	rgd 06dec19	f/n IKT 26dec19; ex OK-JRX
L-410UVP-E20	19 32 19	RA-67075 (2)	Aeroservis	rgd 24dec19	ex OK-JDD
PS-84 (Li-2)	04 1 6	CCCP-L3411	AFL/MOW-IKT route	dbf 05jul41	collided with Soviet Air Force fighter on landing
PS-84 (Li-2)	6 5 01	CCCP-L3419	Aeroflot/Moscow	w/o 01aug41	forced landed in a swamp after enemy hits
PS-84 (Li-2)	6 5 10	CCCP-L3426	AFL/Northern	w/o 10aug41	shot down by enemy aircraft
PS-84 (Li-2)	6 5 20	CCCP-L3432	Aeroflot/Moscow	dbf 05aug41	landed in poor visibility and collided with an obstacle
PS-84 (Li-2)	8 5 08	CCCP-L3459	AFL/Kazakhstan	dbf 30jul41	on landing at an unknown airfield
PS-84 (Li-2)	8 5 09	CCCP-L3460	AFL/Uzbekistan	dbf 16jul41	due to 'technical ignorance' of the crew
PS-84 (Li-2)	8 5 10	CCCP-L3461	AFL/Azov-Black Sea	dbf 23jul41	pilot did not adhere to the 'flying discipline'
PS-84 (Li-2)	8 5 11	CCCP-L3462	Aeroflot/Moscow	w/o 13oct41	when crashed on a ferry flight
PS-84 (Li-2)	184 11 11	CCCP-L3905	GVF	w/o 29jan42	hit a Soviet Air Force fighter on take-off
PS-84 (Li-2)	184 13 15	CCCP-L3930	GVF	dbf 27oct41	when took off with snow on the wings and crashed
Li-2	184 342 09	CCCP-G307	VAGT	rgd 05may50	aerial survey aircraft; became, see next line
		CCCP-L4019(2)	AFL/Krasnoyarsk	rgd 23jul52	aerial survey aircraft; became, see next line
		CCCP-L3985(2)	AFL/Krasnoyarsk	rgd unknown	became CCCP-65718 and later became CCCP-73954
Li-2	2 34 422 02	no code	Soviet Air Force	2020	reportedly to be displayed in Tashkent Victory Park
PS-84 (Li-2)	---	CCCP-L3973(1)	GVF	dbf 06dec41	when the engines flamed out due to fuel starvation
PS-84 (Li-2)	---	CCCP-L3985(1)	GVF	w/o 17sep41	in difficult weather conditions
PS-84 (Li-2)	---	"419"	GVF/Soviet AF c/s	photo	not c/n 6501 as thought before
Ka-52	---	6622	Egyptian Air Force	photo 03jan20	on board of L1010 "Gamal Abdel Nasser"
Ka-52	---	6639	Egyptian Air Force	photo 03jan20	on board of L1010 "Gamal Abdel Nasser"
Mi-2	52 6728 070	RA-20693	Aeroflot	l/n aug15	at Stupino; canx between 27nov19 and 13jan20
Mi-2	54 7712 062	RA-20757	Elbrus-Avia	trf 30mar94	for sale may11; canx between 27nov19 and 13jan20
Mi-2	54 7726 072	UR-MSZ	Motor Sich	rgd 29apr15	canx between 13dec19 and 31dec19
Mi-2MSB	---	"98"	Ukraine Air Force	opb 203 UABr; damaged 28mar19	
Mi-2MSB	---	"681"	Ukraine Army Aviation	dam 16aug19	at Brody when rolled over on take off
Mi-8T	9 82 06821	RA-25361	PANKH ?	OVB 28aug19	canx between 27nov19 and 13jan20
Mi-8T	9 82 03675	RA-25302	AeroBratsk	w/o spr. '18	when crashed on take-off, caught fire and burnt out
Mi-8T	9 84 15527	RA-22864	UTair	OMS 06jan20	
Mi-8T	9 85 20247	RA-22915	UTair	rgd 13may19	f/n Tyumen-Plekhanovo 19dec19
Mi-8T	9 87 30637	RA-22495 (2)	Vityaz-Aero	dam jan20	very strong gusts of wind damaged the main rotor
Mi-8T	9 87 34317	RA-24277	KomiAviaTrans	dam 25dec19	came down hard and rolled over onto its left side
Mi-8T	9 88 41100	RA-24127	AeroGeo	SVX 24jul19	in orange c/s with blue cheatline and trim, with titles
Mi-8MTV-1	9 5483	EW-374TE	MB Aero	aug19	ex ex 4L-AVH
Mi-8MTV-1M	9 6378	RA-27018	MChS Rossii	VKO 14nov16	canx between 27nov19 and 13jan20
Mi-8MTV-1	9 6576	RA-22417 (2)	UTair	photo 12jan20	in the Tomsk region
Mi-8MTV-2S	9 6699	RF-23164	FSB	h/o 22dec08	l/n Chelyabinsk-Shagol 26sep19; c/n known now
Mi-8MTV-1	9 7517	RA-24123 (2)	not known	rgd 23dec19	
Mi-8MTV-1	9 7390	RA-24176 (2)	not known	rgd 25dec19	
Mi-8T	9 92 50963	RA-27006 (2)	not known	rgd 09jan20	
Mi-8AMT	8AMT00643084205U	RA-25640(2)	UTair	w/o 04aug18	canx between 27nov19 and 13jan20
Mi-8AMT	8AMT00643187709U	RA-24187 (2)	not known	rgd 29nov19	
Mi-8AMT	8AMT00643187716U	RA-24189 (2)	not known	rgd 27dec19	
Mi-8AMT	8AMT00643187750U	RA-24699 (2)	not known	rgd 19dec19	
Mi-8AMT	8AMT00643187753U	RA-24418 (2)	not known	rgd 25dec19	
Mi-8AMT	8AMT00643187756U	RA-24427 (2)	not known	rgd 30dec19	
Mi-8AMT	8AMT00643187760U	RA-24718 (2)	not known	rgd 26dec19	
Mi-171C	171C00156177633U	B-708G	Xinjiang General Aviation	rgd 2019 ?	opb Kaiyuan; in a Chinese CAA document 08apr19
Mi-8AMT	8AMT00643187774U	RA-24721 (3)	not known	rgd 12dec19	
Mi-8AMT	8AMT00643187775U	RA-24728 (2)	not known	rgd 12dec19	
Mi-8AMT	8AMT00643187790U	RA-24664 (2)	not known	rgd 26dec19	
Mi-8AMT	8AMT00643187801U	RA-24669 (2)	not known	rgd 30dec19	
Mi-8AMT	8AMT00643177660U	RA-22720 (2)	KrasAvia	dam 25dec19	suffered a white-out on t/o, collided with the ground
Mi-8MT	---	RF-17574	Rosgvardiya	Ykm 08jan20	in grey c/s with a Rosgvardiya badge
Mi-8MT	---	"34" yellow	Kazakh Air Force	AKX 24dec19	in dark green/ochre camo c/s with light grey underside
MC-21-300	MC.0006	73056	primer	r/o 28nov19	4th prototype, with PW1400G-JM engines; f/f 25dec19
RRJ-95B-100	95 177	RA-89122	Azimuth	rgd 19dec19	
RRJ-95B-100	95 181	RA-89135	Severstal	rgd 23dec19	l/n LED 12jan20

RRJ-95B	95 185	RA-89123	Aeroflot	rgd	30dec19	
RRJ-95B	95 186	RA-89124	Aeroflot	rgd	30dec19	
RRJ-95B	95 188	RA-89125	Aeroflot	rgd	30dec19	
RRJ-95B	95 189	RA-89126	Aeroflot	rgd	30dec19	
RRJ-95B	95 190	RA-89127	Aeroflot	rgd	30dec19	
SM-92T	---	RA-1241G		rgd	05jul07	canx between 27nov19 and 13jan20
Tu-16	---	508	Iraqi Air Force		photo	
Tu-16	---	3417	Iraqi Air Force		photo	carries '3417' on the nose which could be part of c/n ?
Tu-134B-3	0 35 64715	RA-65747(2)	Tsentr-Yug	VKO	19apr18	stored; canx between 27nov19 and 13jan20
Tu-134B-3	0 35 64820	RA-65727(2)	Tsentr-Yug	VKO	19apr18	canx between 27nov19 and 13jan20
Tu-142MZ	1 60 53 86	RF-34098	Russian Navy	h/o	12dec19	after overhaul; also carried code "64" red
Tu-154M	93A978	RA-85794	Yakutiya	YKS	apr15	stored; reported as scrapped by jan20
Tu-154M	94A1005	RA-85812	Yakutiya	YKS	30mar13	stored; reported by ATDB as scrapped by jan20
Yak-12R	09 4 38	CCCP-L5876	AFL/Turkmenistan	rgd	14sep55	became CCCP-21060 rgd 03oct58
Yak-12R	09 4 39	CCCP-L5875	AFL/Turkmenistan	rgd	14sep55	became CCCP-07839 rgd 03oct58
Yak-12R	13 4 03	CCCP-T5955	AFL/East Siberia	rgd	30may56	became CCCP-95955 rgd 17may58
Yak-12M	02 5 21	CCCP-L5744	AFL/Turkmenistan	rgd	23feb56	became CCCP-05744 rgd 03oct58
Yak-12M	02 5 36	CCCP-L5740	AFL/Turkmenistan	rgd	23feb56	became CCCP-05740 rgd 03oct58
Yak-12M	03 5 22	CCCP-L5768	AFL/East Siberia	rgd	17mar56	became CCCP-05768 rgd 17may58
Yak-12M	04 5 03	CCCP-L5979	AFL/East Siberia	rgd	17mar56	became CCCP-95979 rgd 17may58
Yak-12M	04 5 04	CCCP-L5982	AFL/East Siberia	rgd	11apr56	became CCCP-95982 rgd 17may58
Yak-12M	04 5 19	CCCP-L4003	AFL/East Siberia	rgd	30may56	became CCCP-74003 rgd 17may58
Yak-12M	05 5 04	CCCP-L5779	AFL/East Siberia	rgd	30may56	became CCCP-05779 rgd 17may58
Yak-12M	06 5 34	CCCP-L4056	AFL/East Siberia	rgd	31jul56	became CCCP-74056 rgd 17may58
Yak-12M	09 5 04	CCCP-L4148	AFL/Turkmenistan	rgd	26jul56	became CCCP-74148 rgd 03oct58
Yak-12M	09 5 12	CCCP-L4157	AFL/East Siberia	rgd	26jul56	became CCCP-74157 rgd 22may58
Yak-12M	10 5 09	CCCP-L4189	AFL/East Siberia	rgd	14aug56	became CCCP-14189 rgd 17may58
Yak-12M	10 5 37	CCCP-L4222	AFL/East Siberia	rgd	28sep56	became CCCP-14222 rgd 17may58
Yak-12M	11 5 04	CCCP-L4234	AFL/East Siberia	rgd	28sep56	became CCCP-14234 rgd 17may58
Yak-12M	11 5 14	CCCP-L4115	AFL/Turkmenistan	rgd	14sep56	became CCCP-74115 rgd 03oct58
Yak-12M	12 5 20	CCCP-L4272	AFL/East Siberia	rgd	10jan57	became CCCP-14272 rgd jul58
Yak-12M	12 5 23	CCCP-L4276	AFL/East Siberia	rgd	10nov56	became CCCP-14276 rgd 17may58
Yak-12M	12 5 26	CCCP-L4280	AFL/East Siberia	rgd	18jan57	became CCCP-14280 rgd 17may58
Yak-12M	14 5 31	CCCP-L1069	AFL/Turkmenistan	rgd	29nov56	became CCCP-21069 rgd 03oct58
Yak-12M	18 5 23	CCCP-T497	AFL/East Siberia	rgd	28feb57	became CCCP-56497 rgd 17may58
Yak-12M	20 5 25	CCCP-T602	AFL/Yakutiya	rgd	19apr57	became CCCP-26602 rgd 10jul58
Yak-12M	20 5 29	CCCP-T608	AFL/East Siberia	rgd	26mar57	became CCCP-62608 rgd 22may58
Yak-12M	20 5 40	CCCP-T656	AFL/Turkmenistan	rgd	08apr57	became CCCP-26601 rgd 03oct58
Yak-12M	22 5 08	CCCP-L764	AFL/Turkmenistan	rgd	13jun57	became CCCP-72764 rgd 03oct58
Yak-12M	22 5 33	CCCP-L794	AFL/Yakutiya	rgd	05jul57	became CCCP-72794 rgd 17may58
Yak-12M	23 5 22	CCCP-L804	AFL/Turkmenistan	rgd	14aug57	became CCCP-21078 rgd 03oct58
Yak-12M	23 5 24	CCCP-L1077	AFL/Turkmenistan	rgd	30jul57	became CCCP-21077 rgd 03oct58
Yak-12M	23 5 25	CCCP-L1081	AFL/Turkmenistan	rgd	30jul57	became CCCP-21081 rgd 03oct58
Yak-12M	24 5 33	CCCP-K4243	AFL/Turkmenistan	rgd	03oct57	became CCCP-14243 rgd 03oct58
Yak-12M	24 5 34	CCCP-L4266	AFL/Turkmenistan	rgd	03oct57	became CCCP-14266 rgd 03oct58
Yak-12M	24 5 35	CCCP-K4271	AFL/Yakutiya	rgd	25feb58	became CCCP-14271 rgd 17may58
Yak-12M	25 5 18	CCCP-K734	AFL/Yakutiya	rgd	19nov57	became CCCP-72734 rgd 17may58
Yak-12M	25 5 22	CCCP-K751	AFL/Yakutiya	rgd	19nov57	became CCCP-72751 rgd 17may58
Yak-12M	25 5 24	CCCP-K753	AFL/Yakutiya	rgd	02jan58	became CCCP-72753 rgd 17may58
Yak-12M	25 5 25	CCCP-K754	AFL/Yakutiya	rgd	19nov57	became CCCP-72754 rgd 17may58
Yak-12M	25 5 26	CCCP-K759	AFL/Yakutiya	rgd	19nov57	became CCCP-72759 rgd 17may58
Yak-12M	25 5 31	CCCP-K779	AFL/Yakutiya	rgd	02jan58	became CCCP-72779 rgd 17may58
Yak-12M	25 5 32	CCCP-K785	AFL/Yakutiya	rgd	02jan58	became CCCP-72785 rgd 17may58
Yak-12M	25 5 33	CCCP-K788	AFL/Yakutiya	rgd	03dec57	became CCCP-72788 rgd 17may58
Yak-12M	25 5 34	CCCP-K789	AFL/Turkmenistan	rgd	30nov57	became CCCP-72789 rgd 03oct58
Yak-12M	25 5 35	CCCP-K832	AFL/Yakutiya	rgd	09jan58	became CCCP-40832 rgd 17may58
Yak-12M	31 5 07	CCCP-L0734	AFL/Turkmenistan			became CCCP-40734 rgd 03oct58
Yak-12M	6 12 7 90	CCCP-L818	AFL/Turkmenistan	rgd	10sep57	became CCCP-21082 rgd 03oct58
Yak-12M	8 12 7 197	CCCP-L619	AFL/Turkmenistan			became CCCP-25699 rgd 03oct58
Yak-12M	9 8 219	CCCP-T641	AFL/Yakutiya	toc	may58 ?	became CCCP-62641 rgd 26jun58
Yak-12M	9 8 220	CCCP-T643	AFL/Yakutiya	toc	may58 ?	became CCCP-62643 rgd 26jun58
Yak-12A	02 6 05	CCCP-L0784	AFL/Turkmenistan			became CCCP-40784 rgd 03oct58
Yak-12M	20 0 980	RA-1301G	S.A. Serbenyuk	rgd	29jun10	canx between 27nov19 and 13jan20
Yak-40	9 32 10 28	TN-AIW	Aéro-Frêt Business	PNR	11jun12	rep. scrapped by late 2019, no longer visible on GE
Yak-42D	452042 39 14 323	RA-42373	Turukhan	UFA	12dec18	operational; reportedly stored by jan20
Yak-42D	452042 10 14 543	RA-42379	Izhavia	IJK	06oct19	stored at CEK from 26oct19
Yak-42D	452042 20 14 549	RA-42380	Izhavia	UFA	20oct19	stored at CEK from 19nov19
Yak-42D	452042 27 08 018	RA-42451	Izhavia	trf	2020	no reports yet
CJ6A	69 320 24	4877	Chinese Air Force	CGQ	19oct19	c/n confirmed; in aerobatic team c/s
PT-6	---	02	Albanian Air Force	photo	21nov19	preserved in Muzeu i Forcave të Armatosura at Tirana
PT-6	---	2713, 5, 7, 9	Bangladesh Air Force	DAC	12dec19	all four taking part in the annual parade
PT-6	---	2720, 2, 3	Bangladesh Air Force	DAC	12dec19	all three taking part in the annual parade
KJ500H	---	81198	Chinese Navy	photo	2019	9th. Div. at Lingshui; ex 8509x
Y12-II	0021	SCL857	Sri Lanka Air Force	w/o	03jan20	crashed on a surveillance mission
Y12E	082	B-50CQ	Shanxi Victor GA	LFQ	01nov18	c/n now known
Y12E	089	MSP009	Costa Rican Air Force	GUA	16nov18	c/n now known
Y12E	090	MSP010	Costa Rican Air Force	TGU	29aug19	c/n now known

Luchtvaartbeurs Dutch Spotters Convention

Worldhotel Wings Rotterdam The Hague Airport
zaterdag 11 april 2020 10:00-16:00

Op zaterdag 11 april 2020 wordt de Rotterdamse luchtvaartbeurs Dutch Spotters Convention (DSC) weer gehouden. Al vele jaren is deze beurs dé plaats voor de Nederlandse luchtvaarthouder om vele verschillende aan de luchtvaart gerelateerde zaken te kopen, te verkopen of te ruilen. Er zullen tientallen stands zijn opgesteld met boeken, tijdschriften, dia's, foto's, DVD's, ansichtkaarten, vliegtuigmodellen en vele andere verzamelobjecten.

Daarnaast zullen verenigingen en bedrijven verbonden met de luchtvaart en luchtvaarthobby aanwezig zijn.

De luchtvaartbeurs is ook een prima gelegenheid om bij te praten met vrienden en collega-hobbyisten.

Bijvoorbeeld om de plannen voor het komende seizoen te bepraten. Tot slot heb je vanuit de zaal in het hotel uitzicht over een deel van het platform, dus kun je vliegactiviteiten in de gaten blijven houden. Dat gaat nog iets beter vanaf het kleine terras naast de zaal.

Stands worden verhuurd per strekkende meter. De tafels zijn ongeveer 70 cm diep. De kosten zijn € 10 per strekkende meter. Wil je een stand reserveren kijk dan op onze website.

Toegang tot de luchtvaartbeurs bedraagt € 3 per persoon. Dames en kinderen tot 12 jaar hebben vrij toegang. De beurs duurt van 10.00 tot 16.00 uur.



Voor meer informatie zie onze website
www.luchtvaartbeurs-dsc.nl

Dustpan & Brush



On 8 January 2020, Ukraine International Airlines' Boeing 737 UR-PSR was shot down by mistake, shortly after take-off from Tehran-Imam Khomeini. It is seen here taxiing at Amsterdam-Schiphol back in 2018. (20 March 2018, René Verschuur)

Additions & Corrections:

27dec17 15112 Yak-130 130.12.02-0112 w/o
See Scramble 464.

01may19 07-3890/EN T-6A PT-445 w/o
See Scramble 480.

27dec19 UP-F1007 Fokker 100 11496 w/o

On 30 December 2019 Bek Air reported in a press conference, that the captain (more than 21,000 hours total, more than 4,000 hours in command on type) was pilot flying, the first officer (more than 11,500 hours total, more than 5,000 hours on type) was pilot monitoring. The take-off mass of the aircraft was 39,800 kg, thereof 6,100kg of fuel. The aircraft was configured at flaps 0 for departure. The captain decided only the elevators were to be de-iced. The aircraft departed runway 05R, engines and systems were all working normally. The aircraft rotated and became airborne at 07:20:36L at 148 knots. The aircraft reached a maximum height of 20 feet, rolled right to a bank angle of five degrees, rolled left to eighteen degrees left bank angle and rolled right again to 14.5 degrees while losing height. The pitch dropped from sixteen degrees nose up to four degrees nose down and went up to 14.7 degrees nose up again, the aircraft contacted ground, climbed to six feet again, pitch reduced to five degrees nose up, the aircraft descended to the ground again, speed decaying and reaching 129 knots. While on the ground the airspeed recovered again to 148 knots, the pitch increased 19.6 degrees, the aircraft climbed to eleven feet, the gear was retracted, the aircraft lost speed again reaching 130 knots, pitch dropped 1.6 degrees nose down and the aircraft impacted ground for the last time.

During an inspection of video evidence at Almaty Airport, it was discovered that the Bek Air crews usually do not conduct a walk-around, or a wing check as instructed and required in Bek Air's operations manual. In the Fokker 28-100 aircraft operations manual, it clearly states that the aircraft wing must be checked prior to each flight and, unusually for aircraft of this type, the manual specifies how this check must be done. This procedure was introduced as an airworthiness directive after the 1993 crash in Skopje, Macedonia. The clean wing check requires a tactile check of the wing at three points along the leading edge on the upper surface, the lower surface and the front of the wing. The manual states that if there is ice present, then all the critical surfaces must be de-iced. Reviews of video footage of preparations of Bek Air aircraft do not show that this check was ever completed. Training records show no evidence of winter operations training being conducted. No training syllabus was produced

to show that crews are trained to identify and treat ice risks for this type of aircraft.
See Scramble 488.

New Accidents:

27dec19 N52CV SF50 0010 w/o

A Cirrus Vision Jet was consumed by fire while standing at Santa Monica Airport (CA). No injuries reported. According to the following YouTube video it was parked there for electrical problems, but whether that played a part in this is unclear. Here is the video: <https://www.youtube.com/watch?v=fZhoNWks8kM>

28dec19 N42CV PA-31T 31T-8020067 w/o

The twin engine Piper Cheyenne II of Cheyenne Partners departed Lafayette Airport's (LA) runway 22L, at 09:18hrs local time on a private flight to Atlanta-DeKalb Peachtree Airport (GA), carrying five passengers and one pilot. During the initial climb, at an altitude of 375 feet, the airplane entered an uncontrolled descent and crashed near a post office in Lafayette (in the 300 block of Verot School Road), bursting into flames. Debris scattered on a large area and at least one vehicle (a taxi) was hit. A passenger on the plane as well as three people on the ground were seriously injured while five other occupants in the plane were killed. The aircraft was totally destroyed by impact forces and a post-crash fire. It is believed the airplane may have struck power cables during initial climb.

28dec19 9S-GDX L-410UVP-E10 871816 dam

A Let L-410 of Air Fast Congo suffered a runway excursion while landing on the wet gravel airstrip of Kamina Airport in D.R. Congo, runway 28 to be exact. The aircraft suffered an unexpected violent pitch visibly throwing a lot of dirt up into the air, upon the nose coming back down the nose gear collapsed. The aircraft subsequently veered right off the runway and came to a standstill past a drainage ditch with all gear off the runway. None of the two crew members and sixteens passengers, provincial deputies, were injured in the accident. Officials reported the condition of the dirt runway following recent rains might have caused the accident.

02jan20 933 UH-60M w/o

Taiwan's military chief of general staff with two other of his colleagues went missing after a Republic of China Air Force UH-60M crashed in the mountains near Taipei, Wulei District. The Black Hawk (reported as serial 933 and delivered to the RoCAF somewhere late 2019) with in total thirteen people onboard made an emergency landing for unknown reasons only fifteen minutes after take-off. Several people survived the crash, some were still trapped inside while some

managed to escape the helicopter wreckage, but three people are still missing including the air force general Shen Yi-ming. The UH-60M belonged to the Rescue Squadron of Chiayi air base and was used to bring a delegation of military officials to Yilan, a location in the north-east of Taiwan. The delegation planned to visit some soldiers ahead of the Lunar New Year.

02jan20 An-12 **2340606** w/o

The Al Quwwat al-Jawwiya As-Sudaniya (Sudanese Air Force) lost an Antonov 12, after it reportedly crashed shortly after take-off from Geneina Airport in Western Sudan. The aircraft is said to have carried military staff, three judges and a WFP employee. It had just delivered medical aid and was returning to Khartoum when it crashed. Initial reports suggest all fifteen onboard have died (seven crewmembers and eight passengers). Photos from the aircraft at Geneina Airport suggest the aircraft was likely a former Goliath Air An-12A that was to be operated by the Sudan Air Force out of Khartoum.

02jan20 VH-BNX GA-8 **GA8-03-032** dam

Around this date (needs confirmation) an Air Fraser Gipp-land Airvan landed on a beach on Fraser Island (QLD) and got turned into a nose dragger (as opposed to a tail dragger). Why? Its nose got stuck in the sand and collapsed, causing the small single engine turboprop to nose over, hence nose dragger.

03jan20 SCL-857 Y-12 II **0021** w/o

A Harbin Yunshuji Y-12 II of the Sri Lanka Air Force crashed near Haputale, Sri Lanka. It departed Wirawila Airport and was supposed to land at Colombo-Ratmalana Airport. All four occupants received fatal injuries and one person on the ground was injured. The aircraft crashed during a surveillance mission under unknown circumstances.

03jan20 VH-FCS Ce501 **501-0102** dam

A Cessna 501 Citation (Sierra Eagle II conversion) landed long on Moorabbin Airport's runway 35R (VIC) and ran off the runway in extreme conditions of smoke haze. It sustained quite some damage as a result.

04jan20 N200HF BeB200 **BB-1858** dam

After landing at Morristown Municipal Airport (NJ), having arrived from Olean-Cattaraugus County-Olean Airport (NY), the LC Whitford Beech King Air experienced an overrun and sustained substantial damage. Images show the Beech with its nose gear collapsed and bended props off the runway.

05jan20 C-146 w/o

The Somali Al Shabab terrorist organisation attacked Manda Bay airfield (US Camp Simba), a joint Kenyan forces/US Africa Command base at Kenyan soil. It is not revealed how many US military were based at Manda Bay in Lamu County (Kenya), which is situated near the Somali border. It is a public secret that, alongside the US Africa Command, the US Special Operations Command (USSOCOM) also uses the site, which also includes an airstrip. Types of aircraft like the Cessna 208, U-28 (PC-12), C-146 (Dornier 328), Dash 8, CN235, helicopter types like the UH-60 and MH-6, as well as unmanned aerial systems such as the MQ-9 Reaper, and the recently retired MQ-1, are frequent users of the strip. Neither of the US commands are providing details about any potential casualties on Kenyan or US military side, but it was reported that Al Shabab was successfully repulsed, and that the base is secured after killing at least four terrorists.

Reports say during the Al Shabab attack a USC-146 Wolfhound and a heavily modified Dash 8-202 (registration N8200L, construction number 455) spy plane were destroyed. Kenyan press reports add to this, saying there are several casualties on both Kenyan and US side, plus write-offs of a Kenyan aircraft, two US helicopters and several vehicles.

07jan20 90-611 FT-7PG w/o

The Pakistan Fiza'ya (Pakistan Air Force) lost an FT-7P near Mianwali, Punjab (Pakistan). Unfortunately, both pilots were

killed in the crash. As far as was known, the crew did not eject, due to unknown reasons. The serial of the FT-7P is 90-611. Its last known operating unit was 18(OCU)sq "Sharp Shooters" at Mianwali AB (Pakistan). The incident will be investigated by the accident board. This constitutes the 60th F-7 family crash in Pakistan that we know of.

07jan20 TC-CCK B737-82R **35699** dam

Pegasus Airlines flight PC747 (from Sharjah, UAE) suffered a runway excursion after landing on runway 06 at Istanbul Sabiha Gökçen International Airport, Turkey. Shortly after touchdown the Boeing veered left and came to a stop with all gear on soft ground off the left runway edge about 1,000 metres down the runway. The aircraft was evacuated via slides and received damage. At the time weather conditions were not optimal with strong gusting winds in light drizzle.

08jan20 UR-PSR B737-8KV **38124** w/o

Ukraine International Airlines flight PS752, from Tehran-Imam Khomeini, Iran, to Kiev-Borispol, Ukraine, with 167 passengers and nine crew members, crashed not long after taking-off from Tehran's runway 29R. As the incident started, the aircraft was climbing through 8,000 feet, about twelve miles north-west of the airport. Subsequently it made a right turn as if turning back to the airport due to a technical problem, but impacted the ground shortly afterwards. A huge explosion occurred on initial impact, followed by several more collisions with the ground as the aircraft broke up and spread along its trajectory. The ELT activated, however, its antenna separated from the device. The crash site was found in an open field near Parand, a suburb of Tehran, at position N35.5529 E51.1121 about ten miles east of the last transponder position (N35.52 E50.91). All occupants perished in the crash.

Iran's Civil Aviation Authority (CAO) reported the aircraft was handed off by ATC at about 06:18 hours local time near Tehran when it fell to the ground. According to preliminary information from the Iranian side, the Boeing crashed due to an engine failure for technical reasons and a terrorist or rocket attack was ruled out.

Both the cockpit voice recorder and flight data recorder were found, with impact and fire damage. The memory units are available but also show physical damage on main parts. Iran will not send these black boxes to the USA (NTSB or Boeing) for read out and will not permit the participation of US authorities in the investigation. Investigators from Ukraine have been welcomed however. It is not clear yet where the black boxes have been sent to for read out and analysis.

During the night from 8 to 9 January, somebody on Twitter released a photo of a Tor 9K331 warhead, presumably found at the crash site. The location as well as the authenticity of the photo were not verifiable. Later on 9 January, Iran's CAO stated that a missile attack on the aircraft was scientifically impossible. On 11 January however, the CAO confirmed the aircraft had been unintentionally and accidentally shot down. In the very tense hours shortly after the US killed a highly regarded Iranian general, the flight left from Imam Khomeini Airport and was in close proximity to a sensitive military centre of the IRGC and appeared to be a hostile aircraft or cruise missile. Word has it, the individual controlling the air defence unit involved, was unable to contact higher command and thus made the time-pressured catastrophic decision to launch missiles against the passenger flight.

On 14 January, the French BEA clarified that despite inquiries into their support for the Ukrainian investigators, no formal request had been made to repair the CVR and FDR and download the data. The BEA did not send investigators to Iran.

Witnesses on the ground as well as flight crews at altitude reported the aircraft was on fire in flight and videos emerged showing this, including what appear to be two missile hits at a flying aircraft at night. The approximate position of

one filmer was about five miles north-west of the crash site. Examination of aircraft debris suggests that there had been no fire inside the aircraft. Samples were sent to capable laboratories to determine whether explosives inside or outside the aircraft have been involved while other causes have been ruled out. The Iranian AIB has been informed that two TOR-M1 missiles have been fired onto the aircraft.

08jan20 Mi-17 w/o

08jan20 Mi-35 w/o

Today, in two separate incidents, two helicopters from the Afghan Air Force crashed. In the Farah province, located in the west of the country, a Mil Mi-35 gunship crashed with the loss of both pilots. The cause of the accident is still under investigation.

The second helicopter, reported as a Mi-17, crashed soon after take-off from Gardiz Airport (Paktia province). All people onboard were injured. After evacuation of its occupants, the heavily damaged Mi-17 was destroyed by Afghan military.

08jan20 HH-60G w/o

Iran's missile attack on two large military bases in Iraq damaged installations housing US service members and battered an aircraft hangar, aircraft, buildings and runways. One of the aircraft was a United States Air Force Black Hawk. Preliminary reports from American and Iraqi military officials reported that Iran fired 22 missiles at both Al Asad Airbase in western Iraq and at the airbase near Erbil in the north. Two Defense Department officials reported that eighteen ballistic missiles struck Al Asad Airbase alone. Three missiles slammed into the base's runway, leaving large craters. The attacks also "lightly damaged" an MQ-1 Predator and destroyed ten military tents. Two of Iran's missiles struck the base in Erbil while the remaining two missiles failed to cross the Iraq-Iran border.

09jan20 403 C-130BZ 3750 w/o

A South African Air Force C-130BZ Hercules crash-landed at Goma airport, in the eastern part of the Democratic of Congo. The aircraft was declared damaged beyond economical repair. Videos and photos on social media show smoke rising from the aircraft, which appears to be lying in a ditch next to the runway at an awkward angle. There are no reports on the extent of the injuries of its 59 passengers and eight crew members. A fire that broke out was extinguished, but the left wing was severely damaged. According to the United Nations Organisation Stabilisation Mission in the Democratic Republic of the Congo (MONUSCO) the aircraft was travelling from the city of Beni and was carrying troops from the South African contingent.

09jan20 VH-ONZ UH-1H 5229 dam

The Aerial Agriculture Iroquois (former 66-00746 of the US Army) crashed into a dam in south eastern New South Wales during aerial firefighting operations. The pilot, who was the sole occupant, escaped from the inverted helicopter with only minor injuries. At the time of the accident, the helicopter was operating with the callsign HELITACK 205. The location was at the Ben Boyd Reservoir in Ben Boyd National Park.

09jan20 F-16 w/o

Eight F-16C/D Baraks of 101sq and 105sq of the Heyl Ha'Avir, which were parked in their underground hangars at Hatzor air base were damaged as a result of a heavy rain storm in the first week of the new year. Israel is known to have certain types of hangars built below surface level. These hangars are named "Datak". During heavy rain storms over the Negev desert, the IAF neglected to move eight Barak's from these types of hangars at Hatzor air base, which subsequently filled with up to 1.5 metres of water. Three jets were seriously damaged in the incident, while five others were only slightly damaged. The IAF announced the planes are expected to

return to service soon, after some costly repairs.

Besides repairing the damaged jets, the air force will inspect the drainage systems around the hangars, as well as the concrete walls that are there to keep away water from the nearby river.

10jan20 VQ-BRS A321-231 7686 dam

Nordwind Airlines flight N4-1801 from Moscow-Sheremetyevo, made a hard landing (+2.65G) on runway 36C at Antalya Airport, Turkey. The nose landing gear was pushed into the fuselage, penetrating the cabin floor. The nose landing gear tyres burst and the forward fuselage section suffered serious damage. According to a report made by the captain after landing, the flight performed a stable ILS approach to runway 36C. He attributed the hard landing due to 'windshear' over the threshold. A go-around was executed during which the navigation and attitude indication failed. Smoke entered the cockpit and the flight declared a Mayday. Subsequently a low pass was made over runway 36C so the Air Traffic Control could assess the damage to the aircraft. Then a dual hydraulic failure occurred, and the flight again declared a Mayday. A left-hand visual approach was flown to runway 36C and the aircraft landed. The runway was vacated and the aircraft was then shut down. Since it was a ferry flight there was only crew onboard and no passengers.

12jan20 AP-AMB DHC-2 1415 w/o

Having left Rahim Yar Khan-Sheikh Zayed Airport, Pakistan, and busy spraying pesticide in the area to tackle another wave of locust attacks, (which began in December 2019) on the request of the district administration, the Federal Department Plant Protection Unit Beaver went out of control and crashed under unknown circumstances in a sandy area located in Sadiqabad. During the impact both crew members, a pilot and a flight engineer, were killed. They were completing a mission on behalf of the Department of Agriculture of Pakistan. Initial investigations suggest the plane crashed due to a technical fault.

13jan20 CC-AEC Bell 407 53599 dam

While engaged in firefighting activities in Chile (at Lautaro, Araucanía region), the Corporación Nacional Forestal Bell 407 sustained substantial damage after it crashed. The pilot and only occupant was in good condition afterwards.

14jan20 9719 F-16C BC-78 w/o

An Al Quwwat Al Jawwiya Il Misriy Viper crashed in Egypt's North Sinai, coming down near the town of Rafah. The Egyptian government confirmed that the sole pilot was killed in the crash. Authorities report the Fighting Falcon was performing a training flight. Further details remain unknown. Elements of ISIS, active reported to be in the northern part of the Sinai, claim it shot down the Egyptian Air Force F-16 with an SA-6 missile. This, however, is unconfirmed so far. ISIS used its social media channels to broadcast its claim.

15jan20 N5805M CeT310P 301P0105 w/o

The SAC Industries Cessna T310P impacted residential structures and terrain while on approach to land at Ogden Municipal Airport (UT). The airplane was destroyed during the accident sequence and the sole pilot onboard was fatally injured. There were no reported injuries on the ground.

15jan20 Su-22 x2 w/o

15jan20 Su-24MK2 w/o

The Syrian Arab Air Force lost one Su-24MK2 and had two Sukhoi Su-22s being substantially damaged during an Israeli air raid at Tiyas air base, Homs province. That base houses 70th Air Brigade with 827th Fighter squadron operating two Su-22 variants (Su-22M4 or Su-22UM3) and 819th Fighter Squadron operating the Su-24MK2.

16jan20 N547LM BeB200 **BB-1642** w/o

A Beechcraft King Air, operated by LifeMed Alaska (but owned by Corsair Two), ditched into the water after becoming airborne from Dutch Harbor-Unalaska-Tom Madsen Airport's runway 31 (AK), between the airport and Hog Island. The airplane ended up "400 or 500 yards" offshore in the waters of Unalaska Bay and sank. The three occupants were rescued.

18jan20 PR-CJD HB350B2 **4727** dam

A locally built Helibras HB350 Esquilo of Secretaria da Segurança Pública, was providing support to Operation Close Frontier, which was taking place in the Belo Jardim neighbourhood (Rio Branco), and was standing on a link between two roadways. The helicopter was about to take-off when a Volkswagen 8-150 delivery truck (carrying a load of drums) turned left into the link and collided with the main rotor of the helicopter. Both the helicopter and the truck were badly damaged. The two helicopter crew suffered minor injuries and were sent to the emergency room for treatment.

19jan20 C-GWVH SA227AC **AC-714B** dam

After the Perimeter Aviation Fairchild Swearingen Metro-liner III landed at Shamattawa Airport (MB), it veered off the side of the runway. Nobody of the thirteen person onboard was injured, but the propliner received substantial damage. It had operated flight YP415 from Thompson Airport (MB).

19jan20 1143 MD530F **0702FF** w/o

A Fuerza Aérea Mexicana MD530MG, operated by Escuadrón Aéreo 112 crashed at the runway of Zorrillo near Guadalupe y Calvo (Chihuahua). According to Ministry of Defence, the small helicopter, based at Santa Lucía, BAM #1 General Alfredo Lezama Álvarez, crashed after a transfer flight from the municipality of Badiraguato (Sinaloa) to Guadalupe y Calvo in the north of the country. The MD530MG is a write-off, the crew suffered injuries and was transferred by a Bell 412 to the military hospital in Mazatlan (Sinaloa).

21jan20 74 T-35B-3 **201** w/o

A T-35B Pillán of the Fuerza Aérea Salvadoreña crashed into a residential area near Ilopango International Airport, killing both pilots. The FAS uses the T-35 from home base B.A. de Ilopango for basic training, and was assigned to Centro de Educación e Instrucción Militar Aeronáutico (CIMA), Escuela de Aviación Militar (EAM) and was one of four left in the inventory. At the time of the mishap it was trying to land when it clipped a tree and crashed into a house. The two pilots onboard received fatal injuries and there were no reported ground injuries.

22jan20 GHF552 C295M **146** dam

A Ghana Air Force Casa overran the apron and slid into a grass overgrown slope at Accra Air Force Base, Ghana. A statement from the Ghana Armed Forces confirmed that the incident occurred around 11:00 am local time, during a routine engine run at the base.

23jan20 ZS-CAR CeS550 **S550-0078** w/o

The South African Civil Aviation Authority Citation S/II departed George Airport at 10:40 hours local time for a calibration of the various navigational equipment located in the region of George. About ten minutes after take-off contact was lost with the airplane. It turned out that the Citation had crashed in a mountainous area located in the Outeniqua Mountain Range, between Mossel Bay and Oudtshoorn, in the Ruitersbos Natural Reserve, north-west of George Airport. All three occupants were killed.

23jan20 N134CG EC-130Q **4904** w/o

Three firefighters from the United States were killed when the Coulson Aviation Hercules, carrying fire retardant, went down in the mountains south of Canberra, the Australian capital. The fiery crash, on a hill near a wildlife sanctuary, ended a brief lull in the country's summer of deadly wildfires, grounded other water tankers for the day, and spread sadness and grief from Australia to North America. Firefighters working in the area, where forests and farms sit side by side, described hearing a sharp and sudden clap — like the familiar sound of an exploding car, but ten times as loud. The crash occurred in the early afternoon, just as fire conditions hit their worst, with 32 degree heat and wind gusts racing past 60 miles an hour in a landscape thick with smoke and hills. The airplane departed Richmond Airbase and was conducting fire control operations when contact was lost. Witnesses on the ground reported hearing a loud bang and saw a giant fireball around the time of the crash. ATSB said the fire retardant-laden aircraft, Tanker 134, was assisting with fire suppression efforts when the crash occurred near Peak View, northeast of Cooma.

This EC-130Q used to fly for the US Navy as 161496, and is also known as TACAMO ("Take Charge and Move Out"). It was a land-based naval aviation platform that served as a SIOP (Single Integrated Operational Plan) strategic communications link aircraft for the Navy's Fleet Ballistic Missile (FBM) submarine force and as a backup communications link for the USAF manned strategic bomber and intercontinental ballistic missile forces.

Credits: ASN, Aviation Herald, B3A, Hilco Schigt



Coulson's Lockheed Hercules N134CG crashed in action during the fight against the huge forest fires in Australia. (Sacramento-McClellan (CA), 30 September 2019, John Bennett)

Warbirds



With the sale of Catalina PH-PBY to the Collings Foundation in the USA, North American Mitchell PH-XXV is currently the largest warbird in the Netherlands. After three years on the ground, it made its first flight from Gilze-Rijen, the homebase of its owner, the Royal Netherlands Air Force Historic Flight on 31 October 2019. The bomber flies in the colours of a Royal Netherlands East Indies Air Force Mitchell with serial N5-149/232511, named 'Sarinah', although it was actually built for the USAAF as B-25J 44-29507. 'Sarinah' is seen here taxiing in after a successful engine run on 14 December 2019. (Gilze-Rijen, Niels van Erck)

Australia

The Australian Fighter Pilot Collection has announced that their Spitfire Mk.XVI TE392 (VH-XWE) made its first post-restoration flight on 13 January. On its successful first flight, the fighter was flown by well-known Richard Grace of Ultimate Warbird Flights (from Sywell, United Kingdom) His company had assisted the local restorers, Performance Aero, during their two-year job. Unlike many of the Spitfires surviving nowadays, TE392 (CBAF IX 4551) is not a WWII veteran: it was delivered to the RAF one month after VE Day. It remained in service until 1952 when it was relegated to serve as a gate-guard at various locations in the UK. In August 1984, TE392 was acquired by notable Spitfire collector Doug Arnold, with restoration commencing in mid-1989. At this point the decision was made to convert the fuselage from its low-back configuration to a high-back configuration. After the death of Doug Arnold in 1992, TE392 was sold and shipped to Florida in the United States. Return-to-flight restorations continued under the guidance of Harry Stenger, resulting in its first post-restoration flight on 24 December 1999. TE392 had, at this point, been gifted to the Lone Star Flight Museum in Galveston (TX), where it became a regular flying exhibit. In September 2008, TE392 was damaged when it was partly immersed resulting from the floods caused by hurricane Ike. Immediately after the water had recessed, TE392 was shipped to Ezell Aviation, in the North of Texas, where the aircraft was immediately dismantled, washed, inhibited and then stored in preparation for reassembly. Nine years later, the decision was made to sell TE392 through Platinum Fighter Sales. It was sold to the Fighter Pilot Collection in December 2017. The restoration of the - still dismantled- fighter began shortly after its arrival at Performance Aero in Brisbane, Australia, in February 2018. The livery chosen for the aircraft is that of an Mk.IX with code "DV-A" as was flown by Frederick Anthony Owen "Tony" Gaze, (DFC & Two Bars, OAM) - one of the great Australian WWII aces. "DV-A" was piloted by Tony whilst flying with 129 Squadron RAF. During the war, Tony Gaze was attributed with 12.5 confirmed victories and flew as a wingman to the legendary Douglas Bader.

Canada

Excellent news for Canadian warbird fans: Westland Lysander C-FVZZ will remain in their country. This Lysander Mk.IIIa

(1206) was built in Malton in 1942 and flew for the RCAF as 2365. It has been purchased by Lysander Funds - a Toronto investment firm - and John Carswell of Canso Funds, together with Tim Hicks. The Lysander Funds draws its company name and philosophy from the unusual aircraft and its independent, remarkable, stealthy flying history. The intention is to build a hangar for C-FVZZ - and to support an outreach program - at an airport in the Toronto area in 2020. No firm location has yet been decided. C-FVZZ is one of the few Canadian built Lysanders that have survived. It was recovered from a farm in Weyburn in 1972. It took Harry Whereatt of Assiniboia from 1996 to 2007 to fully restore the 'Lizzie'. For this restoration based on RCAF 2365, parts of four other Lysanders were also used. It was acquired by Michael Potter in 2007, who had it transported to Gatineau where it became part of the Vintage Wings of Canada collection. During its restoration C-FVZZ wore a Yellow and Black ('Bumble Bee style') target tug colourscheme, but this was changed into a silver RCAF livery with serial '416' before the aircraft's first flight on 18 June 2010. It was offered for sale by Michael Potter through Platinum Fighter Sales last year. The pre-purchase flight was conducted by pilot Dave Hadfield, taking off from Rockcliffe Airport, in October 2019.

France

An organisation that is not generally known outside the French borders is "Les Anciennes Pales" ("The Old Blades") This organisation has an ever growing collection of flying historic French built helicopters. The latest acquisition is SA-316B F-GTMB (1121). This Alouette III used to fly for the French Sécurité Civile as F-ZBFL. This machine will be fully restored before it joins the other Alouettes in the collection. Two of these are already airworthy and registered with French historic registrations. Former Aeronavale Alouette II '163' (1163) fitted with a wheel undercarriage, flies as F-AZYB. It was operated by the French navy from 1958 to December 1997! The second airworthy Alouette II is F-AZYQ (1003) formerly F-GIJE and, once flown by the ALAT as "CXA". A third Alouette II in the collection is (the not yet airworthy) 1013 which was recovered from the Ecole ALAT at Dax in the spring of 2019.

Germany

At the end of December 2019, one of the Sea Furies that

receive tender loving care at Meier Motors had the first successful engine run of its original Centaurus sleeve- valve engine. The aircraft, registered as D-CRZY is the former N97SF (37752- 41H/65802), an FB.11 which is destined for Stefano Landi, a well experienced and well know Italian aerobatic- and warbirdpilot. After inspection by Meier mechanics, N97SF was purchased from Walter C. Bowe in Sonoma (CA) in 2018. Korey Wells, MeierMotors' partner at the American West Coast helped to dismantle that machine and prepare it for shipping across the pond. It was registered in Germany in May 2019. Built as WJ298, the Sea Fury was exported to Iraq in 1952, where it flew as '303'. It was salvaged from that country by Ed Jurist in 1979 and registered N26SF. He then sold the machine to the famous Guido Zuccoli. As VH-HFG the fighter flew for the Zuccoli family from 1983 to 2006, painted in Royal Australian Navy colours as '308/K'. It was sold to the USA in 2007. Like in many (Sea) Furies there is confusion over the true identity of the plane. The centre section is certainly that of MJ298 but parts of N48SF (37727 - ISS22) were included too.

Greece

On 19 January 2020, Vickers Supermarine Spitfire LF.IX MJ755 (construction number CBAF.IX.1285) has made its first post-restoration flight at Biggin Hill (United Kingdom). During this flight well-known warbird pilot Peter Kynsey was at the controls of the Spit. Its restoration was carried out by the local Biggin Hill Heritage Hangar. The fighter originates from the Hellenic Air Force which withdrew it from service in 1953, after which it was stored and later displayed at Tatoi airbase. Since 1992 the aircraft has been on static display at the Hellenic Air Force museum in Athens. Since 2007 the Hellenic Air Force performed the initial phases of the fighter's restoration to flying condition. For the final phase of the restoration, MJ755 arrived at Biggin Hill on 23 March 2018. The fighter is finished in its original Hellenic Air Force colours with code "F-H", which makes a nice change after all the RAF Spits coming out of the BHHH workshop. On 1 July 2019, the new Greek Spitfire was registered in the British register as G-CLGS. The registered owner of the aircraft is the Icarus Foundation of Pireaus, Greece. The Merlin engine of Spitfire MJ755 was run for the first time on 23 December 2019.

Peru

An amazing project is the restoration to flying status of the world's only surviving North American NA-50 fighter. The

NA-50 was a single seat fighter based on the T-6 Texan, but with shorter fuselage and shorter wings. Peru purchased seven NA-50s from the USA in 1939. The unique survivor with code "41-3" (c/n 251) has been sitting on a pedestal at Las Palmas Air Force Base for more than 50 years. This aircraft is the pride of the Peruvian Air Force (Fuerza Aérea del Peru - FAP) and a national historic treasure for Peru. The project to restore it is a joint effort of the Peruvian Air Force (FAP) and many other Peruvian organizations with the support of the (American) Experimental Aircraft Association EAA, through its Chapter 1572 in Lima, Peru. The goal is to bring the last NA-50 back to airworthy condition and have it ready before the celebrations of the Bicentennial of Peru's Independence from Spain in 2021. The NA-50 was powered by an 870 hp Wright R-1820-G3 Cyclone engine driving a three-blade constant speed propeller, and the armament comprised two 0.30 in (7.62 mm) Colt machine guns in the cowlings and provision for 550 lb (249 kg) of bombs. Fuselage construction was of metal, and the 170 gal (644 l) of fuel was carried in integral tanks. Ring and bead sights were fitted ahead of the cockpit. Nicknamed the Torito (Bull), the NA-50 saw brief operational service in 1941 when the Cuerpo de Aeronautica del Peru, as the Fuerza Aerea Peruano (Peruvian AF) was then known, was in action against Ecuador. The last Peruvian NA-50 was withdrawn in 1961. The sole remaining aircraft was kept and put on a pedestal at Las Palmas as a memorial to Teniente (Lieutenant) Jose Quiñones. Quiñones lost his life on 23 July 1941, after being hit by Ecuadorian anti-aircraft fire the engine stopped and Quiñones crashed his bomb-loaded aircraft into the anti-aircraft gun battery.

United Kingdom

There is a fair chance that we will be able to enjoy a flying Hawker Tempest this summer. The long term restoration of Tempest II MW763 (G-TEMT) has accelerated in the last months since it was taken up by Richard Graces' Air Leasing. The fighter, which was salvaged in India where it flew as HS586, will be powered by an original Bristol Centaurus V engine. It was overhauled in-house at Weald Aviation, North Weald Airfield and is said to be installed soon. When finished G-TEMT will be finished as 'PR533' in a silver polished post war colourscheme with blue spinner. The 1945 built MW763 was acquired by Anglia Aircraft Restorations Ltd. in April 2016. Its owner, Graham Peacock, also owns the TF-51D "Contrary Mary", P-47D "Nellie B", Spitfire Mk.V EE602, Spitfire Mk.XIV MV268, Hurricane Mk.I P2902, Hawker Fury SR661



In this warbird section of Scramble you can read more about the first engine runs of Vickers Supermarine Spitfire Mk.XIV RN201 (G-BSKP). On this photograph taken from our files, RN201 shows the post-war RAF livery to its advantage during the 2006 edition of Flying Legends at Duxford. (8 July 2006, Gert Jan Mentink)



Another photo from our files is from the hand of Geurt van de Berg. He took this great shot of Curtiss Helldiver N92879 at the Midland Air Show on 10 October 2009. As you can read below, this unique bird has recently seen an engine change and can, hopefully, soon be seen there where it belongs: up in the sky!

and Buchon "White 9". He also has a Bf-109G-2 (WkNr.14798) under restoration at Air Leasing, as well as two Bf-109F projects and two other Tempest projects registered (one being a Mk.V variant). This is what you call an impressive collection!

Early in January, Vickers Supermarine Spitfire Mk.XIV RN201 (6S-663417) has been running its Rolls Royce Griffon engine for the first time since its return from the USA. The fighter, formerly N201TB, was registered as G-BSKP to Aerial Speed Icons Ltd. on 23 July 2019. The 1948 built machine flew in the UK from 1990 to 1998 for the Historic Aircraft Collection, from 1998 to 2006 for the Historic Flying Ltd. and then for one year for Spitfire Ltd. after which it was sold to the USA. RN201, currently still under restoration at Sywell, is one of the few Spitfires that fly in a post-war colourscheme: silver paint and bright red cheatline and spinner.

At the Biggin Hill Heritage Hangar the restoration of Spitfire Mk.IX LZ482 (CBAF.5056) has reached a next step: the fighter's wings that have been restored at Sandown were recently mated to the fuselage. LZ482 has an interesting history: after a career in the SAAF, parts of the machine ended up at a scrap yard. Fortunately the forward fuselage and the hulk were salvaged in 1969 and kept for spares by the SAAF museum. Shipped via the UK, the parts arrived in Australia in 1999 to become the nucleus of a static restoration project. The exhibit, painted as RAF LZ482 'EF-D' 'Kathleen Mary' was sold to Peter Monk in the UK in 2003. He sold LZ482 to Mark Bennett in 2005, who had decided to return the fighter to airworthy status. He had the project transported to Sandown, where the restoration was taken up. The restored fuselage was trucked to Biggin Hill in November 2012, while the wings remained at Sandown. Now the various parts have met again for, ultimately, final assembly. The fighter, registered as G-CGZU, is finished in desert camouflage and carries code 'EF-F'.

United States

As many of you will know, the Commemorative Air Force West Texas Wing owns a genuine Curtiss SB2C-5 Helldiver, BuNo83589 with code 32 as used on board USS Franklin. In

the spring of 2019, this aircraft with registration N92879 (83725) suffered significant engine damage when a piston failed during operation. The resulting internal engine damage was not considered worth risking the world's only flying Helldiver with only a replaced cylinder, so the Wing decided to perform a complete overhaul of the Wright R-2600 engine. It was estimated that the entire project would cost approximately \$80,000 including engine removal, shipping, overhaul, and replacement on the aircraft. Part of the necessary Dollars came from crowd funding. On 16 January the Wright R-2600 engine and its prop were re-installed on the rare Helldiver. Hopefully, we can report you soon on the aircraft's engine start-up.

On 11 January Valiant Air Command Avenger N108Q made its first flight in years from Titusville Tico (FL) Built by the Eastern Aircraft Division of General Motors this TBM with BuNo 91188 (4093) was used by the United States Navy during WWII. Following her retirement from the U.S. Navy BuNo 91188 saw extensive service as N108Z in the hazardous role of fire bomber for the U.S. Forestry Service based at Davis (CA) from 1956-1964. She would continue in this role through 1969 with Georgia Forestry Commission in Macon (GA) as N108Q. After her distinguished career as a fire bomber 91188 transitioned between various private owners throughout the country ultimately finding herself at the Valiant Air Command, Inc. in 2002. For nearly 18 years the Valiant Air Command TBM has been undergoing an extensive restoration to flight by their skilled restoration personnel. N108Q is painted as "BuNo 23307" the aircraft of Lt Charles Taylor, the leader of the almost mythical "Flight 19" which were lost in "The Bermuda Triangle". Taylor flew the lead aircraft during one of the greatest unsolved disappearances in Florida State History. Five Avengers departed NAS Ft. Lauderdale in 1945 never to be heard from again. To this day the search for the 5 missing TBMs continues to be the focus of many historical and dramatic accounts and films.

Credits: Commemorative Air Force West Texas Wing, Flypast, Lysander Funds Press Release, Ultimate Warbird Flights, Valiant Air Command, WIX



On 27 December 2019, the 29sq 'Scorpions' from the Indian Air Force said farewell to MiG-23UB and MiG-27 operations. MiG-27MU TU-606 was one of the aircraft to perform its final flight. (Jodhpur AFS, 27 December 2019, Angad Singh/Zone 5 Aviation)

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

Czechia

Vzdušných sil (AF)

In the summer of 2019, the Czech Ministry of Defence (MoD) launched a tender for the purchase of a small VIP aircraft as replacement for the current CL601 Challenger (serial 5105) as well as the two ageing Yak-40s (serials 0260 and 1257) in use with the 241.dopravní letka (241.dlt) of the Vzdušné síly armády České republiky (Czech Air Force). The Yaks will reach the end of their technical life in 2020-2021 and flight operations of the Challenger have not been trouble-free. The maintenance of this aircraft would require significant costs.

In September 2019, a contract worth 31 million Euro (800 million Czech Crowns) was announced. The only bidder, EMBRAER, did not meet the requirements and the contract was cancelled. These requirements were strict; the MoD required a business jet with a maximum take-off weight of 42,500 kg and able to transport 14 to 19 passengers over long distances. Furthermore, the passenger cabin must be equipped with at least four seats at a table, at least six sleeping places, one toilet and a kitchenette. A second-hand aircraft was also a possibility, but with the restriction that the airframe was built after 1 January 2012 and had a maximum of 4,000 flight hours. In addition, the Ministry required training for two flight crews, fourteen ground staff and the presence of an instructor and service support for a period of two years.

A new tender with less requirements was launched in October 2019. The MoD received three offers which were evaluated in December 2019. All three bidders offered the Bombardier Global 5000. Allegedly it is a used aircraft which served as a Bombardier demonstration aircraft. The contract also includes an option to deliver a second aircraft in 2021. It is expected that the contract will be signed in January 2020. Delivery of the Global 5000 must take place within two months after contract signing. The VIP aircraft must also be painted in the same colours as used on the other VIP aircraft of the Czech Air Force (A319CJ, CL601 Challenger and L-410).

Another interesting aircraft acquisition is the intention of the Czech Air Force to buy a third Airbus which is slightly larger than the current A319CJ. The most likely option is an Airbus A320neo. Time will tell how and when the Czechs continue with this acquisition.

In December 2019 AERO Vodochody delivered the last of five L-159T1 two-seat training aircraft after undergoing its regular maintenance at 2,000 flight hours. The first overhauled L-159T1 was delivered to the Vzdušné síly armády České republiky (CzAF, Czech Air Force) in 2017 (serial 6067) followed by another two in 2018 (serials 6077 and 6078) and the last two in 2019 (serials 6046 and 6047). This overhaul was necessary to ensure the highest reliability and safety of a long-term operation beyond the horizon of 2030-2035.

Jan Štechr, Aero Vodochody's Vice President, said "In the Czech Air Force, two-seat L-159 aircraft became a highly used advanced training and light combat platform. Aero Vodochody guarantees stable support for L-159 aircraft on domestic and international domain".

The 213.výcviková letka (213.vlt), based at Čáslav, now has a total of eight two-seat ALCAs (Advanced Light Combat Aircraft); five L-159T1s and three L-159T2s (serials 6028, 6031

and 6038). According to Colonel Petr Tománek, Commander of the 21. Základna Taktického Letectva (21. ZTL), the two-seat version of the L-159 ALCA is used for advanced and combat training of young pilots. With a unit establishment of eight L-159T1 and L-159T2 training aircraft, 213.Vlt is able to fly a sufficient number of flight hours, provide quality and efficient training, and reduce the time required for training young pilots and their transition to operational squadrons.

At the IDET exhibition in Brno in May 2019, Aero Vodochody signed a contract for the PP16 maintenance (after sixteen years of operation) of sixteen L-159As worth 63 million Euros (1.6 billion Czech Crowns). On 13 May 2019, the first L-159A (serial 6052) arrived at Aero Vodochody and recently the fifth aircraft arrived at the overhaul facility. The PP16 programme should be completed in 2022.

As you may remember, Aero Vodochody delivered the third and final L-159T2 to 213.Vlt in June 2019. All L-159A ALCAs are flown by 212.tacticka letka (212.tl). Both units are, together with 211.tacticka letka (211.tl) operating JAS39A/B Gripen, part of 21.Základna Taktického Letectva (21.zTL) at Cáslav. LKVO = Vodochody

L-159T1

6046	overhauled to L-159T1 at LKVO 2019	156046
6047	overhauled to L-159T1 at LKVO 2019	156047
6067	overhauled to L-159T1 at LKVO 2017	156067
6077	overhauled to L-159T1 at LKVO 2018	156077
6078	overhauled to L-159T1 at LKVO 2018	156078

Mi-17V-11 (ex Mi-8MTV-1)

0457 CLV LOM ex 5528 43.BLotM **95528** jan20

On 22 January 2020 this former Polish Navy Mi-8MTV-1 was delivered to CLV LOM Pardubice after a few years of major overhaul with CLV LOM at Praha Kbely. The helicopter is now branded as a Mi-17V-11.

Denmark

Flyvevåbnet (AF)

On 17 January 2020, 40 years of Royal Danish Air Force F-16 operations was celebrated with two nation-wide flybys with a ten-ship formation. The fighter wing at Skrydstrup air base launched the ten-ship over Denmark both in the morning (09:00-11:30hrs) and afternoon (13:30-15:50hrs).

It was reported that Denmark still has 44 operational F-16 Fighting Falcons. Cumulated, the F-16s have flown no less than 335,380 hours over the years until 12 January 2020. Three aircraft, previously noted as stored, were seen active again.

F-16AM

E-004	Esk 727	ex std	6F-47 jan20
E-190	Esk 730	ex std	6F-17 jan20
E-599	Esk 727	ex std	6F-34 jan20

Finland

Ilmavoimat (AF)

The next phase of Finland's HX-FRP (HX Fighter Replacement Programme) started on 9 January 2020. The aim of HX-FRP is to replace the fleet of F/A-18C/D Hornet fighter aircraft. The aircraft were commissioned between 1995 and 2000, with their planned service life to end by 2030. Requests for information were sent out during the government term of 2015-2019. During January and February 2020, the five respective manufacturers bring their test aircraft to the Finnish air base Tampere/Pirkkala where each manufacturer gets five days to perform all required test scenarios.

The evaluation period for the respective manufacturers is defined as follows:

09-01/17-01-2020: Eurofighter Typhoon

20-01/28-01-2020: Dassault Rafale

29-01/06-02-2020: Saab 39 Gripen NG

07-02/17-02-2020: F-35A Lightning II

18-02/26-02-2020: F/A-18 Super Hornet

The second phase of negotiations will end in 2020, when manufacturers will be asked for final offers. The government will make a decision on the successor to the Hornet in 2021.

Rajavartiolaitos (GV)

H215

OH-HVF Border Guard ex Airbus Helicopters **2218** dec19

The Super Puma was flown to Marseille in September 2015 for a major overhaul and upgrade to H215.

Greece

Elliniko Polemiki Aeroporia (AF)

The Greek Ministry of Defence announced that it signed a maintenance contract to upgrade the Mirage 2000-5 fighters operated by the Elliniki Polemiki Aeroporia on 23 December 2019. The agreement was announced when Parliament passed legislation to strengthen the Air Force. The upgrade will be carried out by Dassault Aviation in cooperation with Safran Military Engines and Thales. The contract comprises the upgrade and sustainment of the aircraft's radar, avionics, electronics and engines. In total fifteen Mirage 2000-5 Mk.2 acquired in 2007 and ten Mirage 2000-5 aircraft, which were acquired earlier in 1988 as Mirage 2000EGM and already



A400M 0073/F-RAFN is one of the seventeen A400s delivered to the French Air Force by now. (Jullouville beach, 4 August 2019)



With the single seat MiG-23s not flying anymore since March 2009, the last dual MiG-23s also stopped flying within the Indian Air Force. (Jodhpur, 27 December 2019, Angad Singh/Zone 5 Aviation)

upgraded to the Mirage 2000-5 Mk.2 standard, are included in the contract that is to be completed within the next seven years.

In July 1985, Greece signed a contract for the delivery of forty Mirage 2000 fighters comprising 36 Mirage 2000EG single-seat aircraft and four Mirage 2000BG two-seat trainers. The order came as part of a larger defence acquisition program that saw the country, for political reasons, proceed with an order for the F-16. The first of the 40 acquired aircraft were delivered in June 1988 and the last by the end of 1989. Later Greece placed an order for a batch of 15 additional new Mirage 2000-5 Mk2 fighters and had ten existing Mirage 2000EG aircraft upgraded to Mirage 2000-5 Mk2 standard. The upgrade meant the addition of the RDY-2 radar and ICMS-3 DCS, and the ability to deploy SCALP cruise missiles and both versions of the MICA instead. In September 2004 the Air Force modernized the first ten acquired aircraft, upgrading them to Mirage 2000-5 Mk2 standard and also ordered fifteen additional new Mirage 2000-5 Mk2 aircraft.

Besides the upgrade of the Mirage 2000 aircraft, the Greek Government earlier also announced the F-16 modernization program, which comprises the upgrade of 54 F-16C and F-16D Block 52+ variants (delivered between 2002-2004) and 30 Block 52+ Advanced variants (delivered between 2009-2010) to the F-16V Block 72 configuration. On 20 December 2018, Lockheed Martin was awarded a contract which is expected to be completed by the end of June 2027. Work will be performed by Lockheed Martin and Hellenic Aerospace Industry (HAI), the leading aerospace company in Greece.

On 17 January 2020 it was reported that serial number 005 (FMS 06-0005) will be used as the prototype for the intended Block 72 F-16V upgrade program. The F-16 will be prepared by Air Force personnel who will carry out the inspection and required preparations. This process is expected to take a week, after which the actual modernization process will commence under supervision of Lockheed Martin. The first two years will be spent on engineering for the prototype and the registration of the systems. The installation on Greek fighter jets will take place during the third year of the program and the training of the pilots in the fourth year.

In April 2019 the Greek government announced for the first time they were interested in the acquisition of the F-35 with the purpose of enhancing the capabilities of the Elliniki Polemiki Aeroporia and were considering the possibility to pur-

chase the F-35 as a replacement for the older F-16 models. The Air Force currently operates a total of 70 Block 30 and Block 50 F-16C and D models and these models will not be subjected to the F-16V modernization program. The Hellenic government has requested pricing and availability information concerning the acquisition of a yet to be specified number of F-35A aircraft. The number of aircraft mentioned varies somewhere between 12 to 35 aircraft. The F-35 in combination with the F-16V will function as a force multiplier. Any purchase will, however, depend on Greece's financial plans and the ability of the United States to offer a long-term payment framework.

The possibility concerning a potential Greek F-35 acquisition was taken to the next level by a written statement submitted to the House Armed Services Subcommittee by the head of the F-35 Joint Program Office (JPO), Vice Adm. Mat Winter. In his statement, Winter listed Greece among a number of potential Foreign Military Sales (FMS) customers. Recently, the U.S. Ambassador to Greece, Geoffrey Ross Pyatt, commented that because Greece is already upgrading many of its F-16s, it would be a logical next step for the country to also acquire the F-35A. The Greek Defence Minister Nikos Panagiotopoulos made the announcement after Prime Minister Kyriakos Mitsotakis met with President Donald Trump at the White House.

F-16C-52+-CF

005 335 Mira overhaul **WJ-05** jan20

Prepared by the Air Force to be the first F-16 to be upgraded to Block 72 F-16V standard.

Italy

Aeronautica Militare (AF)

Financially beleaguered Italian aircraft manufacturer Piaggio Aerospace is getting a boost from the Italian Defence Ministry, which includes an order for nine P180 Avanti EVOs turbo-props. Last week's confirmation followed the government's agreement in April 2019 on an initial plan that outlined the contracts and enabled the Italian manufacturer to restart production. Some years ago, with orders for its P180 twin-pusher business aircraft dwindling, the owners of Piaggio Aerospace turned to the defence and special missions market to secure the firm's future.

The Piaggio P180 Avanti is an Italian executive transport aircraft with twin turboprop engines mounted in pusher configuration. It seats up to nine people in a pressurised cabin and

may be flown by one or two pilots. The design is of a three-surface configuration, having both a small forward wing and a conventional tail plane as well as its main wing, with the main wing spars passing behind the passenger cabin area.

The P180 Avanti EVO is a third-generation aircraft and was announced in 2014. The EVO offers a maximum speed of 745 km/h, making it the world's fastest multi-utility turboprop. It incorporates upgraded features that increase efficiency, enhance safety and comfort, as well as lower operational costs. The new variant offers greater range, faster climb, lower noise footprint, world-class safety systems, and a spacious cabin. It is also characterized by a lower emission rate and fuel economy by using new Hartzell composite propellers, with blades of scimitar configuration. The first Piaggio P180 Avanti EVO was delivered in April 2015.

The nine P180 Avanti EVOs (designation VC-180B) will go to the Aeronautica Militare, which acquired five (standard) P180 EVO+ and four P180 EVO+ in the Radio Misura (flight inspection plus radio and radar calibration) configuration, replacing the four examples now in use with the 71° Gruppo at Pratica di Mare (RM).

The contract with the Italian Defense Ministry also includes an avionics update programme of improvements compatible with the recent European regulations of airworthiness comprising the total of nineteen Piaggio P180 aircraft in use with the Aeronautica Militare (11), Esercito (3), Marina Militare (3) and Carabinieri (2). Overall, the total value of the new aircraft and retrofits will come to 260 million Euros.

Aviazione dell' Esercito (AR)

LIRV = Viterbo (VT)

CH-47C

MM80839/E.I.817 std LIRV ex 11° Gruppo **M018** oct19

Guardia di Finanza (PO)

LIRE = Pratica di Mare (RM)

AW109N

MM81706/GF-317 Centro Aviazione new **22538** oct19

NH500MC

MM81006/GdiF-82 wfu LIRE ex SA Venezia **17-0266M** oct19

MM81015/GdiF-86 wfu LIRE ex Centro Aviazione **21-0270M** oct19

NH500MD

MM81066/GdiF-108 wfu LIRE ex SA Venezia **103** oct19

MM81068/GdiF-110 wfu LIRE ex SA Genova **105** oct19

Poland

Lotnictwa Marynarki Wojennej (NY)

On 9 January 2020, offset and license agreements related to the acquisition of four AW101s for the Lotnictwo Marynarki Wojennej (LMW, Polish Naval Aviation), were signed at the

Polish Military Aviation Works No. 1 in Łódź (Poland). WZL No. 1 will be the licensed support center of the quartet of Polish AW101s. The Polish Ministry of defence signed a USD 424 million (Euro 380 million) contract for the purchase of four Leonardo AW101 Merlin helicopters for the LMW. The AW101s will be delivered in an anti-submarine warfare (ASW), anti-surface warfare (ASuW) and (Combat) Search and Rescue (CSAR) configuration. The LMW currently operates Mi-14PL, Mi-14PS, Mi-2, W-3RM and W-3T helicopters with the 44 Baza Lotnictwa Morskiego from Darlowo air base, and W-3T, W-3RM/ARM, Mi-2, Mi-8MTV-1, Mi-17 and SH-2G helicopters with 43 Baza Lotnictwa Morskiego from Gdynia/Babie Doly air base. It is not yet known if the AW101s will replace a specific type, or if they will be added to this already interesting mixed fleet.

Mi-17V-11 (ex Mi-8MTV-1)

5528 to CzAF as 0457 ex 43.BLotM

95528

Lotnictwo Straży Granicznej (GV)

On Friday 3 January 2020, the Lotnictwo Straz Graniczna (Polish Border Guard) officially inducted the Airbus Helicopters H135-P3H, registration SP-VSS, in its inventory. The helicopter was already in Poland since at least early September 2019, when it was noted in full markings and registration D-HECP at Rzeszów/Jasionka Int'l Airport. The H135-P3H will be used for border reconnaissance duties. The crew is currently finishing the training phase and patrol flights will start early January 2020. The H135 is based at Hawnikach in the southeast of Poland near the Ukraine border. Scramble Magazine is not aware if the Polish Border Guard has ordered more H135s.

H135-P3H

SP-VSS Strazy Granicznej

d/d 03jan20

Slovakia

Vzdušné Sily Ozbrojených Sil SR (AF)

On 11 January 2020 delivery of the last three UH-60M Blackhawks for the Vzdušné sily Ozbrojených sil Slovenskej Republiky (SAF, Slovak Air Force) took place (serials 7445, 7446 and 7447). With this delivery, all Slovakian Blackhawks have been delivered to the Vrtulníkové kridlo, 1. Vrtulníková letka which is based at Presov. In 2014, the SAF decided to buy nine UH-60M Blackhawks to replace their aging Soviet Mi-17s. This USD 261 million contract also included two years logistic support, training for the pilots and technical personnel and the transport to Slovakia. The first two multi-purpose helicopters were delivered in August 2017 (serials 7639 and 7640), followed by another two in July 2018 (serials 7641 and 7642) and another two in August 2019 (serials 7448 and 7449). Scramble assesses that the latest trio arrived by ship at



The end of an era. No Indian MiG-23/27 will be operational anymore. (Jodhpur, 27 December 2019, Angad Singh/Zone 5 Aviation)



The JADF is considering a new colour scheme for the C-130H and the pattern used on 45-1074 might become the new standard. (Gifu, 6 December 2019, Manolito Jaarsma)

Bremerhaven (Germany), from where they flew to the Slovak Republic, as pictures were taken at Caslav Air Base (Czechia). A similar delivery flight from Bremerhaven was seen in August 2019.

Scramble likes to know the construction numbers and FMS serials of all Slovakian Blackhawks, as only little data is processed in our database. Please have a look at <https://www.scramble.nl/index.php...>, our free accessible serial database to see what information is missing. If you have supplementary information, please let us know via the "Send Updates" form below the review, so we can update our database. Thanks in advance!

UH-60M

7445	1.Vrtul'niková letka d/d 11jan20	FMS 18-27445?	
7446	1.Vrtul'niková letka d/d 11jan20	FMS 18-27446?	
7447	1.Vrtul'niková letka d/d 11jan20	FMS 18-27447	
7448	1.Vrtul'niková letka d/d 26aug19	FMS 18-27448?	
7449	1.Vrtul'niková letka d/d 26aug19	FMS 18-27449?	
7639	1.Vrtul'niková letka d/d aug17	FMS 15-27639	
7640	1.Vrtul'niková letka d/d aug17	FMS 15-27640	70-4684
7641	1.Vrtul'niková letka d/d jul18	FMS 15-27641	
7642	1.Vrtul'niková letka d/d jul18	FMS 15-27642	

United Kingdom

Ministry of Defence (GV)

Four additional H145 Jupiter helicopters have been ordered by the Ministry of Defence. They will be used to increase the rear-crew training capabilities of the Military Flying Training System. The first helicopter is planned to be delivered this year already.

Africa

Côte d'Ivoire

Force Aérienne de Côte d'Ivoire (AF)

DIAP = Abidjan

AS365N2

TU-VTB ex Gvmt std DIAP **6567** jan20

G-III

TU-VAF ex Gvmt std DIAP **462** jan20

Democratic Republic of Congo

(Force Armées de la République Démocratique du Congo)

Force Aérienne (AF)

FZUA = Kananga

Mi-24V

9T-HM10 f/n FZUA, photo jan20

UH-1H

9T-HB8 f/n DB, photo nov19

Egypt

al Quwwat Al Jawwiya II Misriya (AF)

F-16C-40-CF

9719 w/o 14jan20 **BC-78**

Mi-8T

1458 f/n DB, photo jan20

Mi-17V-5

3910 f/n DB, photo mar12

Mi-24V

3083 f/n DB, photo jan20

3084 f/n DB, photo jan20

During the opening of the refurbished air base/naval base Ras Banas, also known as Berenice airport, in the south of Egypt, loads of new aircraft could be noted in YouTube movies or Facebook photos. One of the biggest surprises was the presence of the above Mi-24 helicopters. In the past some media reports on the internet already mentioned the presence of these helicopters within the Egyptian Air Force, however these reports were based on images of Libyan pilots in front of Mi-24s with Egyptian badges on their flight suits. The colour scheme of these Mi-24 later proved that these were "newly" delivered former Sudanese Air Force Mi-24s and the pilots had just graduated at the Air Force Academy in Egypt.

South-West of Alexandria is the international airport Borg El Arab. On the military part, see Google Earth at 30°55'4.57"N, 29°41'6.24"E, it looks like several Mi-24s are visible. How many is hard to say however, because the images are not sharp enough. Of course it is possible that these Mi-24s, which are for sure not the newer Mi-35s, are former Libyan ones but for us for the moment that is not sure at all. The

Mi-24s are equipped with a kind of FLIR camera on an outrigger on the left side of the nose and non-standard exhausts. Of course any additional information is welcome.

MiG-21M/MF

8357		f/n DB, photo	
8431		f/n DB, photo	
8622	preserved	Ras Banas	jan20
8676	preserved	Ras Banas	jan20

MiG-29M

8706	42sq	f/n DB, photo	jan20
8711	42sq	f/n DB, photo	jan20
8719	42sq	f/n DB, photo	jan20
8720	42sq	f/n DB, photo	jan20
8724	42sq	f/n DB, photo	jan20
8729	42sq	f/n DB, photo	jan20

MiG-29M2

8808	42sq	f/n DB, photo	jan20
8812	42sq	f/n DB, photo	jan20

Ka-52

6610	111 AW	f/n DB, YouTube	jan20
6622	111 AW	f/n DB, photo	jan20
6634	111 AW	f/n DB, YouTube	jan20
6639	111 AW	f/n DB, photo	jan20

SA342L

3461		f/n DB, photo	jan20
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Ethiopia

Ye Ityopya Ayer Hayl (AF)

G120TP

172		f/n DB, photo	dec19
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Madagascar

Armée de l'Air Malgache (AF)

Ce206

5R-MNX		f/n DB, photo	aug19
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Nigeria

Nigerian Air Force [AF]

AW109M

NAF578	d/d 18jan20	ex CSX81960	11846	jan20
NAF579	d/d 18jan20	ex CSX81963	11847	jan20

The two helicopters, along with associated equipment and spares, arrived at Nnamdi Azikwe International Airport Abuja on board the Boeing 747-400F LX-UCV from Cargolux Airline aircraft from Malpensa International Airport (Italy) on 15 January 2020. They were received by a NAF Team, led by Air Commodore Halim Adebawale, as well as the Country Representative of Leonardo Helicopters, the manufacturer of the aircraft.

Senegal

Armée de l'Air Sénégalaise (AF)

KA-1S

6W-CAA/01	o/o	f/n DB, photo		dec19
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South Africa

South African Air Force/Suid Afrikaanse Lugmag (AF)

C-130BZ

403	28sq	w/o or dam 09jan20	3750	jan20
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Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

An-12AP

...	w/o 02jan20		2340606	
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Tanzania

Jeshi la Wananchi la Tanzani (AF)

Fokker 50

5H-TGF	ex TGFA	to Air Tanzania	20231	
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This Fokker 50 was handed over by the Government to boost the Air Tanzania fleet.



As confirmed by its code IVATH the OH-1 32628/IVATH flies with Honbuzukitai from Kisarazu. (Kisarazu, 8 December 2019, Manolito Jaarsma)



The Taiwan National Airborne Service Corps flies with four different helicopter/aircraft types. With "4" an unluck number, the UH-1H received serials in the 500 series, like this NA-507. (Kaohsiung, 4 December 2019, Raymond van Dijkhuizen)

Uganda

Uganda People's Defence Force (AF)
XIUW = Ulan-Ude East, Russian Republic

L-39ZA

AF-731 ex BLG 831 tie-up update **633831** dec19
AF-745 ex BLG 111 tie-up update **734111** dec19

Thanks to a photo Peter Weinert found we now can confirm that AF-731 is the former Bulgarian Air Force 831, which was stored at Katunitsa for many years. This automatically connects AF-745 with construction number 734111, which was former Bulgarian 111, see Scramble 488.

Mi-17-1V

AF-641 new f/n XIUW, photo **aug19**
The exact type needs confirmation, it could also be a Mi-17V-5 model.

Asia

Afghanistan

Afghan Air Force (AF)

On 8 January 2020, two helicopters from the Afghan Air Force (AAF) crashed in two separate incidents. In the Farah province, located in the west of the country, a Mil Mi-35 gunship crashed with the loss of both pilots. The cause of the accident is still under investigation. The second helicopter, reported as an Mi-17, crashed soon after take-off from Gardiz airport (Paktia province). All people on board were injured. After evacuating the heavily damaged Mi-17 was destroyed by the Afghan military.

On the Twitter account of the Dutch Ministry of Defence a news item popped up where Dutch military personnel from the Special Operations Advisory Team (SOAT) in Afghanistan "received" a Mil Mi-17 helicopter. The accompanying text refers to the need for training for military missions. Especially to prepare for high-risk missions, where helicopter operations are involved.

For this, the Dutch military received the wreck of a former Afghan Air Force Mi-17 helicopter, which will be used as a training object. The helicopter will be used primarily by the Afghan operators of TF888, who are trained by the SOAT. The helicopter wreck has been identified as serial 770, a Mi-17V-5 formerly of the Afghan Air Force.

Mi-17V-5

770 Mazar-e-Shariff wreck **840M62** jan20

Bangladesh

Bangladesh Biman Bahini (AF)
VGJR = Jessore/Matiur Rahman

CM170

571 pres VGJR ex std VGJR, f/n dec18 **571** mar19
It was in front of the gate in its original colour scheme for some months but a January 2020 photo shows a CM170, likely this one, in grey/grey colour scheme on top of the gate!

We have discarded the following CM170 from our database after research by Andy Marden. These were likely never delivered to Bangladesh: 060, 062, 067, 068, 075, and 187.

F-6

1824 pres VGJR type corr. not an FT-6 dec18
We previously reported this as an FT-6, see Scramble 456 - Page 76, based on a nose shot with the code. We have found some better photographs and it is clearly a single seat aircraft coded 1824 making it an early production F-6.

Yak-130

15112 21sq w/o 27dec17
This was one of the two that collided. The type is also used by the 105 Advanced Jet Training Unit (105AJTU).

Bangladesh Army (AR)

The Bangladesh army aviation is said to be looking to buy two new helicopters, Western types this time. The Army's most recent arrivals were three Mi-171Sh to complete a fleet of six, but they also operate two AS365N3+ and two Bell 206L-4. The shortlist contains the Bell 429 and Bell 412.

Bangladesh Police (PO)

The Police wants to acquire a single Bell helicopter. They currently have two Bell 407s.

Brunei

Tentera Udara Diraja Brunei (AF)

Somewhere last year, the Air Force of Brunei changed the numbering of their squadrons. No. 1 Wing has four squadrons, in the past: 1, 2, 4 and 5 Squadron, which have been changed to: 11, 12, 14 and 15 squadron. No.11 squadron is the oldest squadron, with the retired Bell 212, which has been replaced by the advanced Blackhawk S-70i with a total of 12 aircraft. No. 12 squadron flies the Bolkow Bo105. No.14

Squadron comprises the S-70A and S-70I Black Hawk. The role of the squadron is to train new aircrew as well as supporting the other squadrons in operational tasks. The squadron consists of the first four Black Hawks the Royal Brunei Air Force has received. No. 15 squadron operates the single fixed wing aircraft in the inventory, the CN235.

No. 7 Wing contain three squadrons, but only to one squadron aircraft are assigned. Originally it was called Flying Training School (FTS) in the 1980s and then became No. 3 Squadron followed by No. 63 Squadron and currently it is called No. 73 Squadron. Its role is to provide basic fixed wing and rotary wing training to student pilots. The squadron operates the four PC-7 Mk.IIs and two Bell-206B-3s.

China

People's Liberation Army Air Force (AF)

J-7H			
62196	18th Brigade		jan20
62197	18th Brigade		jan20
J-10C			
74821	131st Brigade		photo
JH-7A			
69043	83rd Brigade		jan20
73377	126th Brigade		photo
Su-35S			
61270	6th Brigade		photo
Z-8K			
53329	WTC/Transport & SAR Brigade	Z8K-22	photo

People's Liberation Army (AR)

Z-10			
LH951102	81st Brigade		photo
LH951117	81st Brigade		photo
LH951119	81st Brigade		photo
LH951132	81st Brigade		photo
Z-19			
LH951502	81st Brigade		photo
LH951512	81st Brigade		photo
LH990976	Training Brigade		photo
LH990977	Training Brigade		photo

Initially it was believed that the serial range LH990xxx was used by 81st LH Brigade. By now, it is believed that the Z-19s and Z-8s from this this training brigade are flying from Mizhi at 37°52'27.0"N 110°04'24.4"E.

People's Liberation Army Navy (NY)

J-11BH			
83285/25	8th Div/24th Reg		photo
83286/26	8th Div/24th Reg		photo
83487/47	8th Div/24th Reg		photo
83488/48	8th Div/24th Reg		photo
J-11BSH			
83288/28	8th Div/24th Reg		photo
83382/32	8th Div/24th Reg		photo
83383/33	8th Div/24th Reg		photo

J-15
24 Carrier Air Wing ex 100 **0101/H1111124** dec19
The appearance of the J-15 photo on the CV-17/Shandong flight deck confirms that no additional J-15s were delivered after the initial batch (with initial serials 100-123). Also, it proves that the new eight-digit long code carried on navy aircraft since October will change when the aircraft code changes.

JH-7A			
83299	9th Div/27th Reg		photo
KJ-500H			
81198	9th Div		photo
Until now, 9th Division aircraft were known by their 85x9x serials			
Y-8Q			
9471	2nd Div/6th Reg		dec19

India

Bharatiya Vayu Sena (AF)

The second LCA Tejas squadron within the Indian Air Force will be 18 Squadron 'Flying Bullets'. The new squadron will initially be based at Sulur Air Force Station (AFS, state of Tamil Nadu) in March 2020 and after all sixteen aircraft have been handed over it will transfer to Srinagar AFS (state of Jammu and Kashmir) by mid- or end of 2022. Hindustan Aeronautics Ltd (HAL) plans to complete deliveries of the first four aircraft by March 2020 and twelve more by March 2021.

The squadron was number-plated (the official name for the decommissioning of a squadron) in 2016. It operated the Mikoyan MiG-27ML from Kalaikunda AFS (state of West Bengal) until the aircraft type was withdrawn from use. After moving to Srinagar AFS it will replace 51 Squadron which is equipped with the MiG-21Bison.



When being close to Las Vegas, one might be surprised by the appearance of this Strikemaster Mk84 (NX187BA)/18420 in Vietnamese c/s. The aircraft was used however by the Singapore Air Force as 310 until it was initially registered NX2146K in 2001. (Jean (NV), 2 December 2019, Robert Eikelenboom)



Lj35A T-22 is flying for II Escuadrón Aerofotográfico based at Parana (Reconquista (SF), 6 October 2019, Ton van Bakel)

On Friday 27 December 2019, it was the final day for 29 Squadron 'Scorpions' to operate the MiG-27MU Bahadur and the MiG-23UB. The squadron, part of 32 Wing and based at Jodhpur AFS (state of Rajasthan), was the last unit within the Indian Air Force to operate these two types of aircraft.

Historically, 32 Wing operated two squadrons with the MiG-27MU and MiG-23UB at Jodhpur AFS. These were 10 Squadron 'Winged Daggers' and 29 Squadron 'Scorpions'. These units ceased operations with the type on 10 March 2019 and 27 December 2019 respectively. A total of 38 MiG-27Ms were upgraded to the MiG-27MU, of which, according to our database, four were written off. The last MiG-27Ms (the type without the upgrades) were officially withdrawn from use on 28 December 2017.

Mi-17
Z3007 ex UNO 882 **223..** dec19

Mi-17-1V
Z3018 f/n dec19

MiG-21MF
C1624 pres Madikeri museum jan20
The MiG-21MF is preserved at the Maj Gen Thimmiah museum in Madikeri (state of Karnataka).

Indian Army Aviation Corps (AR)

SA315B (HAL)
Z3154/8 ex UN865 jan20

Bharatiya Nau Sena (NY)

On 11 January 2020, a prototype of the Navy version of the LCA Tejas landed, and took off again, from the country's sole aircraft carrier, INS Vikramaditya. The event was a significant step towards India developing its own carrier-based fighter aircraft. According to the manufacturer, India still has a requirement for 57 Navy Tejas'.

MiG-29K
IN825 INAS303 f/n jan20

Indonesia

Tentara Nasional Indonesia - Angkatan Udara (AF)

WARA = Malang/Abdul Rahman Saleh

WARJ = Yogyakarta/Adisucipto

WIBB = Pekanbaru/Sultan Syarif Kasim II

WIDN = Tanjung Pinang/Raja Haji Fisabilillah

AS202/18A3

LM-2001 pres Kaliurang ex SkaDik101, l/n jul99 **201** nov18
LM-2006 pres WARA ex std WARJ, l/n oct18 **186** oct19
LM-2020 pres Lamongan ex SkaDik101, l/n mar00 **200** nov19
LM-2024 i/a Sulaiman ex SkaDik101, l/n nov12 **207** oct19

The first has been installed on 28 November 2018, at the Air Force Woman's school in Kaliurang, S7.60390, E110.42491. Abdulrahman Saleh moved its base museum further North and gained LM-2006, as well as a T-33, see below. The one in Lamongan is preserved in front of the Dinas Pendidikan Kabupaten school, S7.12358, E112.42006. It was being prepared for display, 30 October 2019. The recipient at Bandung-Sulaiman was the SMK I Angkasa Margahayu vocational school, hand-over date was 3 October 2019.

F-5F

TS-0515 pres Biak ex SkU14, l/n apr11 **IF1003** jan20
It was placed on a pedestal around May 2019 at the new headquarters of Komando Operasi III (KOOPSAU III), S1.16669, E136.07806 This is the parent command the newly erected squadrons SkU27 and SkU33 we reported about before. Building at the site of the old Biak airport is still in progress and the monument has not been officially inaugurated yet.

F-16C

TS-1643 pres WIBB ex w/o 16apr15 **5C-227** jan20
It was inaugurated 28 October 2019, although it was already on its pedestal by April 2019 at least.

LiM-5

F-1122 pres Magelang ex pres WARA, l/n jun18 jun19
F-1130 fate? ex pres WARA, l/n jul19

The F-1122 used to be beside the sportsfields next to LiM-5P F-1182 that went to the MDM at Yogyakarta. It is now at the Military Academy in Magelang. F-1130 was at the golf course North of base but we had lost track of it since. All of a sudden it appeared at the new spot of the refurbished museum A. Sulaksono but only stayed there from January 2019 until May 2019 when OV-10F TT-1016 took up that spot. After its short sojourn at the base museum, the LiM was dismantled, lay around until July and disappeared again.

NSA330L

'01' pres Batu ex ...? f/n 16nov19 jan20
This transport museum has several civil aircraft and also some military ones with unknown or unconfirmed histories. In any case, the Puma is painted in the current blue and white VVIP colour scheme. Like the Bell 47J they also have, the royline is that these were actual presidential helicopters...

SF260MS

LK-2616 i/a SMK Malang ex pres Matos mall aug19
It was last seen in April 2016 installed outside the Matos mall in Malang to support a temporary exhibition. After that it went to the vocational school SMK Penerbangan Angkasa in Malang, joining LK-2611 that is also there.

SGS-1-26B

G-1401 FASI f/n aug19

T-33ATS-3333 pres WARA ex pres Lembang, l/n aug18 oct19
It was inaugurated 20 December 2018, it is part of the on base-museum A. Sulaksono, OV-10F TT-1016 is next to it.

Tentara Nasional Indonesia - Angkatan Laut (NY)

N22B

P-831 std WIDN ex SkU800 feb19

We lost track of this one, it is stored under an open shed on the West end of the navy ramp at Tanjung Pinang. Also, two unknown Nomad hulks have been lingering on base too, since at least March 2016. They were recently joined by two other smaller hulks.

NC212-200MP

U-6202 SkU200 f/n aug18, ex U-6__ nov19

An older update, likely ex U-611, a known SkU200 aircraft.

PA-28-181 Archer DX

T-2701 SkU200 f/n, del 20dec19 dec19

T-2702 SkU200 f/n, del 20dec19 dec19

T-2703 SkU200 f/n, del 20dec19 dec19

T-2704 SkU200 f/n, del 20dec19 dec19

T-2705 SkU200 f/n, del 20dec19 dec19

These aircraft are the diesel powered variant.

Japan

Nihon Koku-Jieitai (AF)

RJNA = Nagoya/Komaki RJTU = Utsunomiya

ADTW = Hiko Kaihatsu Jikkendan

ARW = Koku Kyunandan ATS = Kyoiku Kokutai

FTW = Hiko Kyoikudan

Mid-January 2020 was the beginning of the move of 3 Hikotai from Misawa to Hyakuri. At the moment of writing around ten F-2s were operating from Hyakuri, leaving 13 of the type still at Misawa.

If you like to keep track of T-4s flying again after engine updates, when the remark field of the on-line Japan database has an F, this indicates it is flying again. At this moment 39 are operational.

C-2

88-1207 403 Hikotai badge applied 7 jan20

KC-46A

Serials for the KC-46A are rumoured to become 14-3611 to 613. First digit can change as it is indicating the year of actual delivery to the JASDF.

C-130H

45-1074 401 Hikotai ex nb/IRAN 382-5017 jan20

F-2A

13-8515 3 Hikotai ex 6 Hikotai 1015 jan20

33-8523 o/h RJNA nb/IRAN, ex 6 Hikotai 1023 jan20

93-8547 6 Hikotai ex IRAN 1047 nov19

93-8550 o/h RJNA nb/IRAN, ex 3 Hikotai 1050 jan20

93-8552 6 Hikotai NOT 8 Hikotai 1052 nov19

F-2B

33-8116 3 Hikotai ex IRAN 3016 jan20

33-8122 21 Hikotai nb, ex IRAN 3022 jan20

43-8125 6 Hikotai ex nb/IRAN 3025 nov19

F-4EJ Kai

57-8357 301 Hikotai ex ADTW M057 jan20

67-8390 301 Hikotai missing parts M090 nov19

Phantom 390 was already withdrawn in May, not seen during the Open house at Hyakuri so maybe scrapped.

F-15J

32-8820 201/203 Hikotai nb, ex IRAN 020 jan20

52-8849 305 Hikotai prev. l/n aug18 049 dec19

52-8858 303 Hikotai ex 305 Hikotai 058 dec19

F-15J Mod.

62-8958 o/h RJNA nb/IRANtest, ex 306 Hik 158 jan20

92-8907 o/h RJNA nb/IRANtest, ex 306 Hik 107 jan20

UH-60J II

58-4597 ARW IRAN/test 2047 dec19

58-4599 ARW IRAN/test 2049 jan20

98-4611 MitsubishiHI re-registered 08-4611 2061 dec19

08-4611 MitsubishiHI f/n 16jan20 2061 jan20

T-7

66-5936 12 FTW ex IRAN, ex 11 FTW 36 dec19

U-125A

52-3003 o/h RJTU ex Nytabaru 258250 jan20

12-3028 ARW ex IRAN 258843 dec19

Rikujo Jieitai (AR)

UH-1H

41731 Fukushima-shi preserved 1H131 dec19

Preserved or instructional at the heliport near Camp Fukushima.

UH-1J

41828 VI ex no code 1J28 sep19

41854 XIV unit confirmed 1J54 dec19

41898 no unit code ex XI 1J98 jan20

OH-6D

31146/SU Koriyama-shi preserved 6447 dec19

Preserved at Camp Koriyama since at least April 2010.

CH-47J

52903 HGPV status? M4004/MQ003/5004 aug13

52926 XIII/2 Hikotai ex MH 5038 sep19



This former Portuguese Air Force C212M-300 is now flying for Uruguay with EA3T as 537. (Montevideo/Carasco, 3 October 2019, Ton van Bakel)



Together with G550 537, this Israeli Air Force Gulfstream G-V Nachshon-Shavit 679 Special Electronic Missions Aircraft used Malta-Valetta for approach practicing. With that country having a special place in many hearts, it seems to be no problem that no additional markings were added to the all white paint scheme. (Malta-Valetta, 7 January 2020, Shaun Psaila)

UH-60JA

43130	IHB	code confirmed	4030	dec19
43138	o/h RJNA	ex XIIIH	4038	jan20

Kaijo Jieitai (NY)

TC-90

6832	202 ATS	reported stored	LJ-1636	nov19
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OP-3C

9132	81 Kokutai	ex IRAN	9066	dec19
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T-5

6338	201 ATS	IRAN at RJTU	38	dec19
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Kaijō Ho'an-chō (CG)

EC225LP

JA693A/MH693	for 10th Region at Kansai	3006	dec19
JA694A/MH694	for 10th Region at Kobe	3011	dec19

Both helicopters already had a name applied, however full Hiragana name could not be seen but it is ending in the characters dzu.ru, the same as the name-ending of both Kagoshima/10th Region AW139s.

Falcon 2000MSA

JA574A/MAJ574	for JCG	at Shizuoka, ex N345FJ	345	nov19
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Laos

Laos People's Liberation Army Air Force (AF)

In Scramble 488 we suggested the Mongolian Air Force had expanded considerably with MiG-21s. Of course these aircraft are still in possession of the Laos Air Force.

Myanmar

Tamdaw Lay (AF)

AS365N2

6905		f/n		dec19
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Nepal

Nepal Army Air Wing (AR)

M28-05

NA-063	ex SP-DGU	AJE003-55
NA-064	ex SP-DGU	AJE003-56

Both aircraft were delivered mid-December.

Pakistan

Pakistan Fiza'ya (AF)

On 15 December, the Block III single seat JF-17 made its first flight from Chengdu, China. It was marked '3000'. The first

two Pakistani assembled Block III aircraft will be built in 2020, with twelve yearly from 2021 to 2024 making up the 50 ordered.

FT-6

10824	Fate unknown	not to Bangladesh?
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With the confirmation of single seat F06 1824 in Bangladesh, it seems highly unlikely that this FT-6 went to that country.

JF-17B

19-602	PAC Kamra	f/n, fcs, ex CAC '03'	BC0003	dec19
...	PAC Kamra	f/n, primer	2P-65B	dec19
...	PAC Kamra	f/n, primer	2P-66B	dec19
...	PAC Kamra	f/n, primer	2P-67B	dec19
...	PAC Kamra	f/n, primer 4th aircraft	2P-68B	dec19
...	PAC Kamra	f/n, primer	2P-69B	dec19

On 27 December, the official roll-out of the JF-17B was performed at PAC Kamra, Attock. All airframes built thus far, ten by the looks of it, were lined up. Furthermore, on 24 December local celebrity and first Pakistani to circumnavigate the Earth by plane, Fakhr-e-Alam, visited PAC Kamra too. The associated photographs revealed the construction number for 19-602 that turns out to be the former third prototype. As planned, Pakistan received two of the three flying prototypes. Also, 19-603 and 19-604 are thought to be CAC built in Chengdu, China but were almost certainly allocated production codes **2P-63B** and **2P-64B**. Although rumours suggest these might be **2P-63/64** without suffix, two single seat attrition replacements. Anyway, the first Pakistani built dual seat aircraft should be **2P-65B**, normally to be registered 19-605. The fourth PAC built aircraft, **2P-68B**, was marked with a note "4th aircraft". Highest aircraft reported built, but not confirmed, is **2P-72**.

Pakistan Fauj (AR)

MFI-395

16-6434	PAC Kamra	f/n		nov19
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So far, only the Air Force operated the Super Mushshak version. The army seems to have received new built ones now too.

Pakistan Bharia (NY)

ATR72-212A

76	29sq	ex T7-NWWW, del 2019	768
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It was obtained as extra airframe on top of the two Sea Eagle configured aircraft, 78 and 79, and the sole non-upgraded ATR-72, 77.

Singapore

Republic of Singapore Air Force (AF)

On 9 January 2020, the US State Department approved the possible sale of twelve Lockheed F-35B Lightning II aircraft to Singapore at a price of USD 2.75 billion. The Defense Security Cooperation Agency (DSCA) notified Congress of the possible sale, which is subject to approval by the powers on Capitol Hill. In January 2019, the Singapore Ministry of Defence announced that it sees the F-35 Lightning II as the most suitable replacement for its ageing F-16s. On 1 March 2019, the Minister of Defence, Ng Eng Hen, announced in parliament that Singapore eyes an initial acquisition of four Lightning IIs, with an option for another eight. The outcome of the evaluation with the first four aircraft will determine if this option will be turned into a firm order. The reported possible sale also includes 13 Pratt & Whitney F135 engines, electronic warfare systems, ALIS (Autonomic Logistics Information System), training systems, software development and personnel training, among others. Singapore has long been expected to purchase the aircraft, with Lockheed Martin recently saying the purchase would help offset the loss of sales to Turkey, which was kicked out of the programme last year.

The F-35B is the STOVL variant of the Joint Strike Fighter. A ducted fan that is geared to its main turbine and an exhaust nozzle that rotates downward allow the fighter to take-off from shortened or ramped runways, for example on small aircraft carriers. It also can land vertically. Singapore of course does not have an aircraft carrier, but could use the capabilities to fly the F-35B from small, hard to find military bases. Quickly concealing aircraft from an attack - possibly on an ally's aircraft carrier or on a remote island - is an important consideration for the small city state as its air bases are easily reachable by an adversary's missiles.

If the sale is approved, Singapore will join Australia, South Korea, and Japan as operators of the jet in the Pacific region. Singapore's airmen and aircraft already operate alongside USAF personnel and jets, as they train at Mountain Home AFB (ID) and at Luke AFB (AZ).

M346A

323	150sq	c/n update	7031
324	150sq	c/n update	7035
325	150sq	c/n update	7036

326	150sq	c/n update	7037
327	150sq	c/n update	7038
328	150sq	c/n update	7039
329	150sq	c/n update	7040
330	150sq	c/n update	7041
332	150sq	c/n update	7043
333	150sq	c/n update	7044

South Korea

Han Guk Gong Gun (AF)

KC-330 Cygnus

19-004 for 261 ATS delivered 26nov19 **1891** nov19

KF-16C-52

92-014 20 FW ex 19 FW **KC-14** oct19

F-35A

19-015 LockheedMartin f/n, at NAS Ft.Worth **AW-15** nov19

19-016 LockheedMartin f/n, at NAS Ft.Worth **AW-16** nov19

Thailand

Royal Thai Air Force (AF)

H225M

H11-1/58/20301 203sq **2929**

T-50TH

KhF2-7/62/40107 401sq

T-50TH-20-0007

KhF2-8/62/40108 401sq

T-50TH-20-0008

From the sighting of these T-50THs it is strongly believed that Korean Cargo B747 sightings at U-Tapao on 23 February 2018, 10 September 2019 and 20 November 2019 were for the delivery of two T-50s each, delivering numbers three to eight. During the delivery flight of the initial two T-50s both aircraft were damaged at Kuantan to such extent that after this experience airfreight delivery was considered cost effective and less risky for KAI.

Latin America

Argentina

Fuerza Aérea Argentina (AF)

Lj60

T-11 AAP/G1TA f/n, ex N604ED **60-304** nov19

Cuerpo Federal de Aviación (PO)

Bo105CBS

LQ-AOF/H6 pres MNA ex PF **S-545** dec19

This Bölkow was not insured since 2013 and is now part of



In December sultan Qaboos of Oman went to the Leuven hospital for medical treatment. Only after five days it was decided to retrieve him back to Oman, to live his last days. He died on 11 January 2020. Of course the result was the visit of some Omani aircraft to Belgium, including C-130J 506 (with 505) (Oostend, 15 December 2019, Nik Deblauwe)



Since its delivery to the USAF in 1995 this F-16CM 92-3911 has been flying with the 157th FS as can be checked in our recently published 6th edition of the F-16 production overview. (Davis Monthan, 12 November 2019, Frits Jongerman)

the Museo Nacional de Aeronáutica in Morón, Buenos Aires. It was handed over 9 December in hangar 3 of the museum.

Brazil

We have a backlog, especially with the Wrecks and Relics, of some three years. So bear with us when we update the database and share the amendments.

Thanks to a complete and thorough log of the Museum at Dos Afonsos, we have been updating the situation there too, thanks to Erik for contributing this through our forum! Due to long awaited restoration work of the historic hangars being in progress, most aircraft are parked outside.

Força Aérea Brasileira (AF)

KPAE = Everett/Snohomish County-Paine Field
 MUSAL = Museu Aeroespacial, Dos Afonsos, RJ
 PAMA-AF = Parque de Material Aeronáutico dos Afonsos
 SBAF = Base Aérea Dos Afonsos, RJ
 SBAN = Base Aérea Anápolis, GO
 SBFN = Fernando de Noronha, PE
 SBMN = Manaus/Ponta Pelada, AM
 SBMT = São Paulo/Marte, SP
 SBSM = Base Aérea Santa Maria, RS
 SBTA = Taubaté, SP
 SBYS = Pirassununga/Campo Fontenelle, SP

A-1A

5514	std MUSAL	ex 1°/16°GAv	BX015	dec19
5528	pr Curitiba, PR	ex 1°/16°GAv	BX028	sep19
5542	pres SBSM	ex 1°/10°GAv dam	BX042	nov19

MUSAL has its AMX in temporary storage in one of the PAMA-AF hangars. The 5528 is preseved inside the Colégio Militar, S25.42654, W49.22431. The one at Santa Maria was damaged after a bird hit back on 22 August 2012 and is now preserved, in front of the HQ building on base.

C-95

2176	pr Espera Feliz	ex std SBAF, l/n	oct12	110097	nov19
2187	pres Bauru, SP	ex AFA, l/n	nov13	110118	sep19

At the Praça Espaço de Lazer Municipal in Espera Feliz, Minas Gerais, 2176 sits at S20.65456, W41.91089, since late 2013. The one in Bauru was inaugurated on 16 March 2016 and is mounted on a pedestal along Avenida Mário Mattosinho, S22.35556, W49.04569.

C-95AM

2283	IPEV	ex C-95A 1°/5°GAv	110143	feb19
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EC-95BM

2307	pres SBCO	ex GEIV, l/n	oct16	110291	sep19
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C-95BM

2325	1°/5°GAv	ex C-95B IPEV	110440	aug14
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YC-97

2000	pres MUSAL	ex PAMA-AF	120003	dec19
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C-98A

2720	CLA	ex C-98 2°/6°GAv	208B-0821	aug18
2726	1°ETA	ex C-98 BAPV	208B-0506	mar19
2727	1°/15°GAv	ex C-98	208B-0510	oct19

The remaining older Ce208B are still in the process of receiving their A-suffix.

C-115

2353	pr Manaus, AM	ex std SBMN	15	aug19
2362	pr Araraquara	ex std SBMT	32	jan20

After spending nearly six years stored on the ramp, the 2353 was moved from the airfield in July 2015 and placed inside the barracks of the Comando Militar da Amazônia by January 2016. Although 2362 was among three Buffaloes that were auctioned off for scrap on 10 June 2015, like the others it survived and is now preserved at Posto Balbina, a petrol station South of this village in São Paulo state, S21.84092, W48.14812. It is camouflaged in green/yellow colours, with Batman logos... Note that the tail of 2362 is mounted on 2367 at Vila Militar, Dos Afonsos.

C-767

2900	to N328MP	std KPAE since	jul19	26470	jul19
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The lease ended after three years.

F-5E

4882	pres SBCO	ex st SBMT, JOR 665	R1394	oct19
4883	pres SBYS	ex st SBMT, JOR 1703	R1119	oct19

Obviously these were not taken up but preserved at these air bases. Canoas in 2017 and Pirassununga has one since 2018. Also, São Paulo-Marte has 4880 marked as 'F-5EM', likely kept inside with the T-6 and C-115.

F-103D

4909/AN	pr Sorriso, MT	ex std SBAN		oct19
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This former Zairi airframe has been pole mounted at the local airport since at least 2016, S12.47982, W55.67611.

H-13H

8524	pres SBTA	ex std SBAF, l/n	oct95	2470	dec19
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It is in front of base operations at army base Taubaté, painted yellow.

AT-26

4469	pr Florânia, RN	ex 1°/4°GAv	72008251	jul19
4488	pres SBFN	ex CTA, wfu 2010	72027270	may19

The one in the town square of Florânia has been there since

2015 at least. Fernando de Noronha is an island by the way.

T-27

1381/7 pr Umirim, CE ex EDA '3' **312097** oct19

It is in Fumaça colours at the Praça da Bíblia Sagrada and was inaugurated 22 July 2018, at which date the square was renamed Praça Major Av. Anderson Amaro Fernandes / Praça do Aviador. Total time of the airframe is 6.391:05 hours and it performed 5.758 landings. It sits here, S3.67870, W39.34953.

IU-50 (EMB550)

3604 GEIV del. f/n 03oct19 **55000089** oct19

U-55C

6100 6°ETA ex VU-55C **55C-140** jul19

Aviação do Exército (AR)

HÁ-1

EB-1001 pres SBTA ex 1°BatAvEx, l/n oct13 dec19

It is part of the three helicopter memorial in front of base operations, each branch of the armed forces provided a helicopter for this. The air force an H-13 (8524), see above, and the navy an IH-6B (N-5044), see Scramble 485 - Page 63. This is in place since August 2019.

HM-4 (H225M)

EB-5010 1°BAvEx del 21sep18 may19

EB-5011 1°BAvEx del 09oct18 dec19

Catching up with some older deliveries. As EB-5011 was said to be the 33rd delivery and we are already at 36 in total, we still miss two 2019 deliveries to either the Air Force or Army.

Comando da Força Aeronaval (NY)

Last year, another squadron has formed equipped with the Super Cougar. Based at Belém, the Primeiro Esquadrão de Helicópteros de Emprego Geral do Norte (HU-41), general purpose squadron, was officially activated on 29 October. The nucleus to form this unit was already in place from 28 June 2019 (N-EsqdHU-41).

In summary, the navy now has seven regular UH-15 (N-7101 to N-7107) and three CSAR UH-15A (N-7201 to N-7203). The regular ones are slated to be upgraded to UH-15A standard too. The first ASuW version, N-4101, is still with Helibras Itajubá. It is the most advanced version capable of firing AM39 exocet missiles. That will be the 36th Super Cougar delivered to the armed forces in total.

Colombia

Policía Nacional de Colombia (PO)

The Colombian police will receive another batch of ten ex-US Army UH-60A Black Hawks. In 2017, ten UH-60As were delivered, which were to be augmented by another batch of six agreed upon in November 2018. The second batch of ten includes the six mentioned earlier. With these new deliveries, the PNC will have received a grand total of 31 Black Hawks, two of which have been written off.

Costa Rica

Servicio de Vigilancia Aérea (PO)

Ce182RG

MSP018 SVA c/n update **182-01309** may19

CeTU206G

MSP021 SVA c/n update **U206-05508** may19

Y-12E

MSP009 SVA c/n update **089** may19

MSP010 SVA c/n update **090** may19

El Salvador

Fuerza Aérea Salvadoreña (AF)

MD500E

46 UN-085P w/o 29nov19 **0308E**

Guatemala

Fuerza Aérea Guatemalteca (AF)

Some new developments have occurred regarding the possible purchase of two FAdEA IA-63 Pampa IIIs. The proposal has reached Congress, which is required to approve the deal and necessary funds. The Argentinian government, which has intervened on behalf of FAdEA, has set 15 February 2020 as a deadline for Congressional approval and transfer of a USD 11 million deposit.

Honduras

Fuerza Naval de Honduras (NY)

A new entry, as the Honduran navy acquired its first helicopter! It follows the commissioning of FNH General Cabañas, a Sa'ar 62 class-corvette with a helicopter deck. Honduras thus became the first Central American country to acquire this



Just another day at Whidbey Island NAS produced this EA-18G 168378/NG-502 of VAQ-133 (Whidbey Island NAS, 9 January 2020, Erwin Moedersheim)



MH-60S 166291/FW-291 is based at Whidbey Island NAS. (Whidbey Island NAS, 9 January 2020, Erwin Moedersheim)

capability, Mexico being considered part of North America. The Bo was seen with full FNH colours and wearing this civil registration.

Bo105CBS-4
N895PH FNH f/n, ex N730TS **S-895** jan20

Mexico

With not a single aircraft sold out of 72 offered for sale during FAMEX 2019, the decision was taken to bring former presidential B787-8 XC-MEX back to Mexico and put it up for auction there with the other aircraft. Also, a study for alternative options will be done, after an attempt to sell it from Victorville (CA) yielded no results and storage became too costly... Aircraft put up for auction in January 2020 after their failed sale at FAMEX are listed under their respective branches below, including their location as given at the auction. Of the remaining aircraft, none are airworthy, and 38 will be sold off directly by Mexican fiscal authorities.

Fuerza Aérea Mexicana (AF)

MMMXX = Mexico City-Benito Juárez (CDMX)

MMSM = Santa Lucia (MEX)

AS332L-1
XC-UHO std MMMX for auction 14jan20 **2195**
XC-UHP std MMMX for auction 14jan20 **2084**
XC-UHU std MMSM for auction 14jan20 **2346**
XC-UHV std MMMX for auction 14jan20 **2363**

Of these, XC-UHP has no current certificate of airworthiness.

B727-264
3505 pres Orizaba (VER), ex MMSM **22661** jan20

This 727 was moved to Orizaba on 17 January 2020 to become an instructional classroom at the Complejo Deportivo Orizaba (a leisure complex) at N18.86702, W97.11356.

B737-322
TP-03/XC-LJG std MMMX for auction 14jan20 **24361**

B757-225
TP-02/XC-UJM std MMMX for auction 14jan20 **22690**

Beech 350i
3917/XC-LOB std MMMX for auction 14jan20 **FL-928**

Ce501
3931 std MMSM for auction 14jan20 **501-0141**

Ce680
3930 std MMSM for auction 14jan20 **680-0284**

Both Citations lack a current certificate of airworthiness.

EC145
1054 reregistered to ANX-2244 **9653**

This former PEMEX helicopter was for sale at FAMEX 2019, although not present at Santa Lucia at the time. It was under maintenance in August and September last year, before being transferred to navy custody. PEMEX is the national oil company of Mexico.

EC225LP
TPH-01/XC-LKV std MMSM for auction 14jan20 **2712**
TPH-02/XC-LKO std MMMX for auction 14jan20 **2684**

G150
3913/XC-LOI std MMMX for auction 14jan20 **314**
3914/XC-LOH std MMMX for auction 14jan20 **313**

G450
3915/XC-LOJ std MMMX for auction 14jan20 **4333**

G550
3916/XC-LOK std MMMX for auction 14jan20 **5508**

MD530MG
1143 EA.112 w/o 19jan20 **0702FF**

Armada de México – Fuerza Aeronaval (NY)

EC145
ANX-2244 std MMMX f/n, ex 1054 **9653** oct19
Noted flying over Veracruz in October 2019, after maintenance and transfer from air force to navy custody, this EC145 has now been put up for sale by PEMEX, the national oil company, which originally bought it in 2014....

H225M
ANX-2240 std MMMX for auction 14jan20 **3002**
ANX-2241 std MMMX for auction 14jan20 **3003**

Lj31A
ANX-1205 std MMMX for auction 14jan20 **31A-174**
ANX-1206 std MMMX for auction 14jan20 **31A-191**

Both lack a current certificate of airworthiness.

Policía Federal (PO)

With the creation of the Guardia Nacional (national guard), the Federal Police have been disbanded on 01 October 2019.

Ce182SP
XC-GPF std MMMX for auction 14jan20 **182-80906**

G-IISP
XC-PFT/(PF-210) std MMMX for auction 14jan20 **175**

G-III
XC-LOW std MMMX for auction 14jan20 **352**

This Gulf was transferred from the air force to the federal police in October 2017.

G350				
XC-PFM	std MMMX	for auction 14jan20	4013	
Gobiernos Estatales Mexicanos (GV/PO)				
Bell 429				
XC-MED	Edo de Yucatan d/d	17jan20		
Lj28				
XC-VSA	to XB-VSA	ex Edo de Tabasco	28-002	oct19
Gobiernos Municipales Mexicanos (GV/PO)				
Bell 407				
XA-RUR	f/n Mun de Ecatepec – leased		53485	dec19

Peru

Fuerza Aérea del Perú (AF)
SPYL = Talara-Montes

CH-2000				
448	EDACI	c/n update	20-5007P	
494	o/o SEMAN	f/n	20-5008P	
497	EDACI	c/n update	20-5001P	
499	EDACI	c/n update	20-5002P	
...	o/o SEMAN	projected	20-5009P	
...	o/o SEMAN	projected	20-5010P	
...	o/o SEMAN	projected	20-5011P	

This kit-plane is assembled locally. Of these, 497 crashed 2 February 2019. Fourteen more are on order. Two others, **5003** and **5006**, were delivered to the Jorge Chavez flight school, part of the Universidad Alas Peruanas and received civil registrations.

T-41A				
OB-I-793	dump SPYL	reg canx 08feb00	17254511	dec19
OB-I-1091	dump SPYL	ex nn	17254434	dec19

Ejército del Perú (AR)

Mi-171Sh-P				
EP-667	BAT811	c/n update	7441U	apr19
EP-668	BAT811/821	c/n update	7442U	mar18
EP-669	BAT811/821	c/n update	7443U	jan17
EP-670	BAT811/821	c/n update	7444U	jul15
EP-671	BAT811/821	c/n update	7445U	jul18
EP-673	BAT811/821	c/n update	7447U	sep18
EP-674	BAT811/821	c/n update	7448U	dec18
EP-675	BAT811	c/n update	7449U	sep19
EP-676	BAT811/821	c/n update	7450U	jul18
EP-677	BAT811/821	c/n update	7451U	jan17
EP-678	BAT811	c/n update	7452U	feb19
EP-682	BAT811/821	c/n update	7456U	oct19
EP-687	BAT811	c/n update	7461U	jul18

Last month we reported the range, for completeness and neatness sake, we have listed the updates to our database. All these construction numbers are prefixed with **171S0060413**.

Policía Nacional del Perú (PO)

An-178				
PNP-...	Antonov	o/o	006	dec19

Photographs of the An-178 destined for Peru were released by Antonov on their Facebook, on 18 December.

Middle East

Israel

Heyl Ha'Avir (DF)

Aw119Kx

7x o/o

C-130J-30

669 103sq c/n update **5845** jun19

F-16C-30-CF Barak

313	117sq	ex 110sq	4J-50	nov18
389	117sq	ex 110sq	4J-39	nov19
391	117sq	ex 110sq	4J-40	nov19
399	117sq	ex 110sq	4J-45	nov19

F-35I Adir

930	116sq	AS-20	aug19
932	116sq	AS-21	oct19

M346I

102	102sq	7045	may15
103	102sq	7046	may15
104	102sq	7047	aug18
108	102sq	7048	aug18
110	102sq	7050	aug18
111	102sq	7051	aug18
113	102sq	7052	feb17
114	102sq	7055	dec14
115	102sq	7056	aug18
117	102sq	7057	jun15
120	102sq	7058	aug18
121	102sq	7059	aug18
122	102sq	7060	jun15
125	102sq	7061	aug18
127	102sq	7062	aug18
128	102sq	7063	aug18
130	102sq	7068	dec15
131	102sq	7069	aug18
133	102sq	7070	aug18
136	102sq	7071	aug18
138	102sq	7072	dec15
141	102sq	7073	aug18
144	102sq	7074	feb17
145	102sq	7075	feb17
149	102sq	7076	aug18
152	102sq	7077	mar16
154	102sq	7078	aug18
159	102sq	7079	may16
160	102sq	7080	may16
164	102sq	7081	aug18

The above M346I are construction number updates.

S-65C-3 Yas'ur 2025

042	114sq	w/o burned out	65-399	nov19
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North America

Canada

Royal Canadian Air Force (AF)

The deployment of CF-188s to Mihail Kogalniceanu (Romania) was concluded early January. In the second week of January the CF-188s were brought back home to Cold Lake, supported by CC-150 tankers.

CH-148 (H-92)

148801	N801CN	registered 14jan20	92-5001
148802	N802CN	registered 13jan20	92-5002
148803	N803CN	registered 13jan20	92-5003
148804	N804CN	registered 10jan20	92-5004
148805	N805CN	registered 13jan20	92-5005
148806	N806CN	registered 10jan20	92-5006
148807	N807CV	registered 17jul19	92-5007
148808	N808CT	registered 17jul19	92-5008
148809	N809CH	registered 22jul19	92-5009
148815	N815CN	registered 10jan20	92-5015
148828	N828CH	registered 17jul19	92-5028

These Cyclones have gone back to Sikorsky for modifications.

CC-295 (C295SAR)

295517	Airbus	f/n	187	jan20
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The order for sixteen C295SAR has been augmented by three trainers. It is not known if these trainers will be fully equipped. The first of these is 295517.

United States

United States Air Force (AF)

B-52H				
60-0058/LA	20th BS	ex 5th BW	464423	jun19
C-21A				
84-0075	458th AS	ex 457th AS	35A-521	
84-0079	458th AS	ex 457th AS	35A-525	



VP-46 at Whidbey Island NAS recently converted to the P-8A, using also this 169346/RC-346. (Whidbey Island NAS, 9 January 2020, Erwin Moedersheim)

84-0120	458th AS	ex 457th AS	35A-566		United States Army (AR)
84-0124	458th AS	ex 457th AS	35A-570		1-6th CAV Marshall AAF, Fort Riley (KS)
84-0129	458th AS	ex 457th AS	35A-576		2-6th CAV Wheeler AAF, Schofield Barracks (HI)
86-0374	458th AS	ex 457th AS	35A-624		1-10th AVN Wheeler Sack AAF, Fort Drum (NY)
86-0377	458th AS	ex 457th AS	35A-629		1-14th AVN Hanchey AAF, Fort Rucker (AL)
C-37B					2-17th CAV Sabre AHP, Fort Campbell (KY)
18-1942	99th AS	new delivery	5586	dec19	7-17th CAV Hood AAF, Fort Hood (TX)
18-1947	99th AS	new delivery	5592		1-25th AVN Wheeler AAF, Schofield Barracks (HI)
KC-46A					1-147th AVN MI ARNG, AASF Abrams MAP (MI)
16-46018	133rd ARS	new delivery	34135/1119	jan20	B(-)/2-149th AVN TX ARNG, AASF Grand Prairie AAF (TX)
16-46019	133rd ARS	new delivery	34138/1120	jan20	B/5-159th AVN USARC, Felker AAF, Fort Eustis (VA)
17-46026	22nd ARW	new delivery	34127/1132	dec19	Det.1 F/1-169th AVN PA ARNG, AASF Muir, Fort Indiantown Gap (PA)
18-46048	22nd ARW	new delivery	34141/1178	dec19	Det.2 C/2-211th AVN AASF Salina RAP (KS)
MC-130J					1-229th AVN Grey AAF, JB Lewis-McChord (WA)
09-6207	67th SOS	ex 415th SOS	382-5656	jan20	BEST BEST Aircraft Consolidation Facility at 248 Dunlop Blvd, Huntsville (AL)
KC-135R					CH-47F
61-0267	92nd ARW	ex 22nd ARW	18174/T0489	dec19	06-08021 B(-)/2-149th AVN, ex nb M8021 dec19
61-0317	197th ARS	ex 133rd ARS	18224/T0539	jan20	06-08773 B/5-159th AVN, ex nb M8773 dec19
62-3540	351st ARS	ex 22nd ARW	18523/T0591	jan20	OH-58A+r
62-3577	92nd ARW	ex 77th ARS	18560/T0628	jan20	71-20471 for sale as scrap, std Vero Beach (FL) 41332 jan20
F-16CM					UH-60A
89-2083/HL	16th WPS	ex 24th TASS	1C-236	dec19	78-22980 std BEST, ex ME ARNG 70-043 nov19
F-35A					78-22990 std BEST, ex Det.1 F/1-169th AVN 70-053 dec19
13-5066/LF	308th FS	ex 422nd TES	AF-72	nov19	79-23337 std BEST, ex nb 70-154 nov19
15-5121/OT	422nd TES	ex 40th FTS	AF-112	jan20	80-23422 std BEST, ex A/1-185th AVN 70-180 nov19
15-5125/LF	61st FS	ex 63rd FS	AF-116	jan20	80-23449 std BEST, ex G(-)/2-149th AVN 70-207 nov19
18-5340/VT	134th FS	new delivery	AF-231	jan20	80-23456 std BEST, ex PA ARNG 70-214 dec19
HH-60G					80-23493 std BEST, ex Det.2 C/2-211th AVN 70-251 dec19
05-27046/OT	422nd TES	ex 66th RQS		jan20	84-23934 std BEST, ex PA ARNG 70-759 dec19
90-26311/OT	422nd TES	ex 66th RQS	70-1541	jan20	85-24421 std BEST, ex Det.1 C/2-211th AVN 70-900 dec19
MH-139A					UH-60L
18-1002	413th FLTS	new delivery	14802	dec19	98-26812 A/2-3rd AVN c/n confirmed 70-2505 dec19
MQ-9A					UH-60M
16-4315	29th ATKS	first noted		jan20	12-20450 4-3rd AVN FY & c/n confirmed 70-4070 jan20
GT-38A					...-20535 1-147th AVN ex nb dec19
61-0895/ST	Sheppard AFB	Gate Guard installed	N5261	nov19	AH-64D
CV-22B					06-7015/15F 1-14th AVN ex nb DUS015 dec19
08-0047	7th SOS	ex 8th SOS	D1033	jan20	09-05634 2-6th CAV ex 1-6th CAV PVD634 sep19
09-0042	7th SOS	ex 8th SOS	D1023	jan20	09-05643 1-10th AVN ex nb PVD643 dec19
					09-05660 1-25th AVN ex nb PVD660 nov19
					AH-64E
					14-03023 2-17th CAV ex 1-101st AVN NM023 dec19

15-03047	7-17th CAV	ex 4-6th CAV	NM047	dec19
15-03054	7-17th CAV	ex 4-6th CAV	NM054	dec19
16-03096	2-17th CAV	f/n	NM096	dec19
18-03199	1-229th AVN	ex Boeing	NM199	dec19

United States Navy (NY)

KC-130T

162308/WB-407	VX-30	ex 308	382-4972	jan20
162309/309	VX-20	ex 406/VX-30	382-4974	dec19

F/A-18E

165906/NG-06	VFA-97	ex nmks	E061	nov19
169737	nmks	del oct19	E3..	
169742	nmks	del 14jan20	E3..	jan20

F/A-18F

168930/AG-210	VFA-143	ex AD-254/VFA-106	F276	jan20
169750	Boeing	f/f 13jan20	F28.	jan20

EA-18G

168250/NL-552	VAQ-131	ex NJ-561/VAQ-129	G32	jan20
168942/NL-543	VAQ-132	ex 501/NAWDC	G114	jan20

F-35C

169633/NJ-435	VFA-125	del	CF-38	jan20
169635		del 11dec19	CF-40	dec19

P-8A

169344/RC-344	VP-40	ex 344/P-30	63194/6846	dec19
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T-34C

160490/SH-90	VMFAT-101	ex NJ-490/VFA-122	GL-47	jan20
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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)

F/A-18C

163702/MA-01	VMFA-112	ex Cecil Field	761/C064	jan20
164230/WD-242	Iwakuni	preserved	993/C217	jan20
164701/411	VMFA-323	ex WS-411	1140/C308	sep19
164975	VMFA(AW)-224	ex VMFA-251	1277/C390	nov19
165177	VMFA-115	ex FRCSW	1299/C402	jan20
165400/421	VMFA-323	ex NE-401/VFA-34	1422/C457	sep19

F/A-18D

164957	nmks	ex VMFA(AW)-224	1257/D134	jan20
165415/DW-415	VMFA-251	ex VMFA(AW)-225	1450/D146	jan20

F-35B

169622		del 11dec19	BF-86	dec19
169623		del 11dec19	BF-87	dec19

F-35C

169634/VW-436	VMFA-314	f/n	CF-39	jan20
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UH-1Y

168954/UV-13	HMLA-167	ex SN/HMLA-169	55206	jan20
169233/UV	HMLA-167	ex SN-17/HMLA-169	55224	jan20
169234/UV-05	HMLA-167	ex SN-05/HMLA-169	55225	jan20

AH-1Z

168803/UV-47	HMLA-267	ex SN-47/HMLA-169	59211	jan20
169090/SE-48	HMLA-469	ex YX-41/VMM-166	59231	jan20
169097/SE-50	HMLA-469	ex UV-50/HMLA-267	59238	jan20
169251/SE-55	HMLA-469	ex YX-166	592..	jan20
169503/UV-55	HMLA-269		592..	jan20
169505/SE-52	HMLA-469	f/n	592..	jan20

CH-53E

161262/YJ-21	HMH-465	ex YJ-02/HMH-USA	65-434	dec19
161388/YJ-07	HMH-USA	ex YF-07/HMH-462	65-445	jan20
164860/YP-23	VMM-163	ex YJ-860/HMH-465	65-636	jan20

VH-92A

169181	HMX-1/HX-21	f/n	92-0.../SDTA3	jan20
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AV-8B

166288/YM-55	VMM-365	ex WH-05/VMA-542		jan20
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MV-22B

165841/YT-11	VMM-164	ex YX-05/VMM-166	D0027	jan20
166720/YL-01	VMM-362	ex GX-31/VMMT-204	D0089	jan20
166732/YQ-07	VMM-268		D0097	jan20
168008/YQ-06	VMM-268	ex YR-07/VMM-161	D0138	jan20
168611/MQ-12	VMM-774	SPMAGTF-CR A	D0266?	jan20
168667/YQ-10	VMM-268	ex YP-04/VMM-163	D03xx	jan20
168674/PF-09	VMM-364	ex YR-09/VMM-161	D0334	jan20
168691	Bell-Boeing	f/n	D03xx	jan20

United States Coast Guard (CG)

MH-65D

6516	Atlantic City	ex Savannah	6032	sep19
6548	HITRON	ex North Bend	6222	dec19
6561	Humboldt Bay	ex New Orleans	6244	aug19
6566	Atlantic City	ex Detroit	6257	sep19
6575	Atlantic City	ex Mobile	6271	jan20

Oceania

Australia

Royal Australian Air Force (AF)

The Royal Australian Air Force (RAAF) started training on the F-35A Lightning II at Luke AFB (AZ) in December 2014. Since then, the aircraft had been operated by the 61st Fighter Squadron 'Top Dogs' (56th Fighter Wing). In December 2019, after five years of continuous presence, the Australians have started recalling their pilots, maintainers and aircraft to RAAF Base Williamtown (NSW, Australia). Since 2014, 34 Australian pilots and 16 instructor pilots have earned their certifications, and as of January 2020, the RAAF has taken delivery of 20 F-35As.

In the future, all Australian F-35 pilots and maintainers will be trained with the 2nd OCU (Operational Conversion Unit) 'at home' in Williamtown. However, according to Wing Commander Jordon Sander, who is the 61st FS Australian Senior National Representative and the new commander of the 2nd OCU, Luke AFB will still be the RAAF's F-35A delivery location. Australian pilots will return to the base several times a year to ferry the country's latest delivered fifth generation fighters to Australia. The ferry missions will continue until the RAAF will have received its final F-35A Lightning II in 2023.

Also, within the next three years the RAAF also plans to transition one of its existing units to an operational F-35 wing. Scramble Magazine assesses this will most probably be the 81 Wing at RAAF Base Williamtown (NSW). This wing consists of two squadrons:

3sq 'Operta Aperta (Secrets Revealed)'
77sq 'Swift to Destroy'

F-35A Lightning IIs have already been noted with 3 Squadron markings. 77sq still operates the F/A-18A and F/A-18B Hornet.

Credits

Clive Bartram, Danny Bonny, Ian Carroll, Edwin de Greeuw, Joris Heeren, Andy Marden, Daniele Mattiuzzo, Jorge Merino, Jeff Rankin, Jos Stevens, Peter Weinert

Abbreviations

AF = Air Force	GV = Government
AG = Agricultural Aviation	JF = Joint Forces
AR = Army	NY = Navy
CG = Coast Guard	PO = Police
DF = Defence Forces	SV = Survey

Showreports



Based at Nyutabaru air base are the F-15J and F-15DJ Eagles from the Koku Kyoiku Shudan (Air Training Command). Photographed during take-off are F-15J 62-8875 and F-15DJ 32-8060, both operated by 23 Hikotai. (26 November 2019, Mike Jefferies)

Corrections/updates

Komaki (Japan) 9 November 2019

Flightline/flying:
63-8102 (not 63-8502) F-2B Hiko Kaihatsu Jikkendan

Kisarazu (Japan) 8 December 2019

Flightlines/flying:
41869/869/SK UH-1J Kasumigaura Kou
31305/nn OH-6D 102 Hikotai?
52979/HGPVI CH-47JA 106 Hikotai
52980/HGPIII CH-47JA 103 Hikotai
43128/IHB, 43130/IHB UH-60JA 102 Hikotai

Nyutabaru (Japan) 15 December 2019

Hangar display:
41825/WH UH-1J Seibu Homen Herikoputatai

Flightlines/flying:
52-8849 F-15J 305 Hikotai
62-8870 F-15J 23 Hikotai
72-8895 F-15J 305 Hikotai
66-5746 T-4 23 Hikotai

Elsewhere:
12-8054, 82-8063 F-15DJ 23 Hikotai
52-8852 F-15J 23 Hikotai

Blue Impulse, T-4:
36-5697/1, 26-5686/2, 66-5745/3, 46-5731/4, 26-5690/5, 16-5666/6
06-5787/-

New shows

Gyeongnam Sacheon

Aerospace Expo 24-27 October 2019

Static:
95-179 C-130H 251 TASS
30-081 CN235-100M 256 TATS
60-507 F-4E 153 FS
50-584 F-5E 105 FS
02-035 F-15K nb/11 FW
93-081 KF-16C 111 FS
04-002 HH-32A nb/235 SRS
06-014 KA-1 nb/237 TCS
00-001 KT-1 217 FTS

00-004 KT-1 213 FTS
03-054 KT-1 236 FTS
03-056 KT-1 217 FTS
03-060 KT-1 213 FTS
08-026 T-50 nb/1 FW
31636 AH-64E nn
19109 KUH-1 nn
090915 P-3CK 61 PAG
No s/n T-50TH KAI, for RThaiAF
001 (X)MUH-1 KAI?
No s/n KT-1C KAI
915 Bell 206L Police

The AH-64E datablock contained 1301636. The T-50TH had 20-0010 on the datablock.

Elsewhere/flying:
45-750 C-130J-30 251 TASS
88-092, 88-096 CH-47D nn
01-612, 01-772 HH-60P nn
03-055 KT-1 nn
12-077 TA-50 nn

Black Eagles T-50B:
10-0052/1, 15-0083/2, 10-0051/- + 6 others

Preserved near entry gate:
60904 T-37C

Log for 25 October.

Credit: Peter van Oostrum

JGSDF Camp Narashino (Japan)

1st Airborne Corps, first drop of the year 12 January 2020

Flying:
08-8604/YJ, 08-8605/YJ C-130J-30 36th AS
15-5817/YJ C-130J-30 36th AS
73463/IVATH AH-1S 4 Taisensha Herikoputatai
73482/IATH AH-1S 1 Taisensha Herikoputatai
41810/EH UH-1J Tobu Homen Herikoputatai
41877/EH UH-1J Tobu Homen Herikoputatai
41919/EH UH-1J Tobu Homen Herikoputatai
52956/HGPIII CH-47JA 103 Hikotai
52967/HGPIII CH-47JA 103 Hikotai
23055/LR LR-2 Renraku Teisatsu Hikotai
68-1020, 98-1029 C-1 402 Hikotai
98-1210 C-2 403 Hikotai
5066 P-3C 203 Kyoiku Kokutai

Report compiled from photographs on the Internet.

Triptease



The IA63 Pampa is a locally designed and build aircraft. The Fabrica Militar de Aviones got heavy assistance from Dornier. Unfortunately, due to the economical situation in Argentina the production of the MS760 replacement, was started and stopped for several times. A-701 was seen under construction in 2014, while assembly took place in 2017 and the aircraft was finally delivered in November 2018 to G6C. (Reconquista, 6 October 2019, Ton van Bakel)

Military trips

Argentina and Uruguay

Buenos Aires			2 October 2019
0693/5-T-3	L-188PF	preserved	
Campo de Mayo			2 October 2019
AE-055, AE-262	T-41D	EAE	
<u>AE-222</u>	CeT207A	V Cuerpo	
AE-226	Ce208	Ejercito Argentina	
AE-364, AE-365, AE-366	Bell 206B-3	CCPEL	
AE-367, AE-368	Bell 206B-3	CCPEL	
AE-450, AE-453, AE-492	UH-1H	CdADE	
AE-466, AE-471	UH-1H-II	CdADE	
AE-526	AS332B	B Helic Asal 601	
1x	UH-1H	CdADE	

Preserved

1x	UH-1H	ex Ejercito Argentina
1x	UH-1H	ex Ejercito, at gate

Stored/dumped/under modification

AE-020	OV-1D	ex EAER601	dump
AE-025, AE-036, AE-039	OV-1D	ex EAER601	std
AE-175	Sabre 75A	EAG603	std
AE-176, AE-178, AE-179	SA226T	ex Ejercito Argentina	std
AE-181, AE-182	SA226AT	ex Ejercito Argentina	dump
AE-260, AE-261	G222	ex Ejercito Argentina	dump
AE-358	UH-12E	ex EAE	std
AE-392	TH-13T	ex Ejercito Argentina	std
AE-441, AE-442	UH-1H	ex Ejercito Argentina	std
AE-468, AE-470, AE-474	UH-1H-II	Ejercito Argentina	o/h
AE-493	UH-1H	ex Ejercito Argentina	std
AE-495	UH-1H	Ejercito Argentina	mod
GN-906	FH1100	ex Gen. Nacional	std
GN-921, GN-922, GN-923	R-44	Gendarmeria Nacional	std?
4x	OV-1D	ex EAER601	dump
LQ-CLW	Ce550	ex IGM	std

The Hueys which are marked "o/h" are under modification to Huey II standard, while those with "std" are awaiting modification to this standard.

Jorge Newberry IAP			2 October 2019
T-04	B737-5H6	G1TA	
Aeroport Angel S. Adami			3 October 2019
0653	BAe125	FAA	std
CX-AKY	J3C-65		
Carrasco			3 October 2019
030	Bell 212	EAH5	

031/UN0852	Bell 212	EAH5	
053, 056, 059	UH-1H	EAH5	
054	UH-1H	tail only	dump
060, 069	UH-1H	preserved, ex EAH5	
070, 072	Wessex HC2	preserved, ex FAU	
091, 092	AS365N2	FAU	
101	AT-11B	ex FAU	dump
205	AT-33A	preserved, ex EAC2	
211	AT-33A	ex EAC2	dump
284	OA-37B	ex EAC2	
366	AT-6D	EMA	
501	AC68	preserved, ex SSRA	
510, 514	C-47A	ex FAU	
532, 534, 535, 536, 537	C212M-200	EAT3	
533	C212M-200	EAT3	std
572	FH-227D	preserved, ex EAT3	
585	C-95	EAT3	
591, 592	C-130B	EAT3	
601, 602	T-41D	ex EMA	dump
KN682	Dakota MkIV	ex RAF PLUNA as CX-BDB	
71-0023	UH-1H	ex US Army	std
HU.10-16/ET-2..	UH-1H	ex FAMET	std
HU.10-20/ET-251	UH-1H	ex FAMET	std
N69415	L18-56		dump
1x	UH-1H	ex FAU as "069"	
Cararrasco Museum			3 October 2019
5087	B-25J	ex Brazil AF, as "156"	
026/CX-BNR	OH-23F	preserved, ex FAU	
061	Bo105P1	Esc. de Helicopteros	
061	UH-1B	pres, ex FAU	283
076	Wessex HC2	pres, ex FAU	WA122
201	AT-33A	preserved, ex EAC2	
213	F-80C	pres, ex GdA2	080-1966
224	IA-58	pres, ex EAA1	048
373	AT-6G	pres, ex EMA	182-462
580	C-95	pres, ex EAT3	110076
606	T-41D	pres, ex EMA	R172-0394
608	DHC-1	ex FAU	std
634	PT-19B	pres, as "E-620"	
"634"	PT-26A	preserved	
675	T-34B	pres, ex EMA	BG-222
736	Ce170A	preserved, ex FAU	
756	U-17A		185-1022
856	S-2G	pres, ex EAA	263C
E-205	SNC-1		
F2	DH82	pres, ex FAU	
G2-205	Falcon 22B	pres, ex FAU	
S-503	J-3C-65	pres, ex FAU	5-1443

T-521	C-47A		19231	B-111	Canberra T64	ex FAA	71416
4-1903	Ryan Navion A			F-35	IA-50A	ex FAA	34
42-15361	PT-26A	pres, ex FAU		T-43	F-27	ex FAA	1045
72-21583	UH-1H	pres, as "052"	13282	T-44	F-27-600	ex FAA	10454
CX-AGI	Neybar N1	preserved, ex FAU		TC-78	F-27	ex FAA	10418
CX-ALL	Stinson 108-3			Parana Town			5 October 2019
CX-BJA	Viscount V827	Civil	400	B-112	Canberra T64	ex FAA	71371
G-ANOW	DHC-1			BA Reconquista			6 October 2019
1x	L-13 Blanik			A-102	EMB312A	G3A	312154
1x	Schneider SG-38			A-104	EMB312A	G3A	312159
Pando			3 October 2019	A-108	EMB312A	G3A	312169
610, 613, 614	T-260	EMA		A-110	EMB312A	G3A	312171
340	AT-6D	pres, ex GAv1	88-15849	A-114	EMB312A	G3A	312182
604	T-41D	pres, at gate	R172-0396	A-122	EMB312A	G3A	312341
1x	T-260	EMA		A-128	EMB312A	G3A	312366
Piedra Blancas-Technical School			3 October 2019	A-129	EMB312A	G3A	312367
050	UH-1H	ex EAH5		A-558	IA-58A	G3A	059
080	Wessex HC2	ex FAU		A-568	IA-58D	G3A	069
201	AT-33A	ex EAC2		A-571	IA-58D	G3A	072
350	AT-6	ex EMA		A-583	IA-58D	G3A	084
Aeropuerto Baradero			4 October 2019	A-585	IA-58D	G3A	087
C-051	Meteor F4	ex FAA		A-701	IA-63-III	G6C	1030
TC-33	C-47A	ex FAA	20093	C-919	A-4AR	G5C	14208
(T-83)	DH104	as LV-XWL	04042	C-926	A-4AR	G5C	14534
Aeroporte Ángel S. Adami			4 October 2019	E-307	T-6C	EAM	
716, 717, 718, 719	U-206H	EA.7		H-103	Bell 412EP	7 BA	36682
792	UB-55	EA.7		PG-350	CeA182J	nmks	0040
Base Aera Cap. Boisso Lanz			4 October 2019	PG-373	CeA182N	3 BA	0043
1x	UH-1	ex FAU		PG-374	CeA182N	3 BA	0117
Crespo City			5 October 2019	PG-376	CeA182N	4 BA	0120
T-117	IA-50B	ex FAA as "T-118"	09	PG-380	CeA182N	3 BA	0148
Diamante City			5 October 2019	T-22	Lj35A	GA2	35A-136
T-126	IA-50B	ex FAA	26	TC-70	KC-130H	G1TA	4816
Funes Liceo Aero Mil			5 October 2019	OVX-501	IA-58	ex FAA (Prototype)	
C-094	Meteor F4	preserved, ex FAA at gate		Preserved			
I-017	Mirage 3EA	ex FAA, at gate	15F/5HD	A-305	IA-35	ex FAA	
Paraná			5 October 2019	1x	IA-58	ex FAA	dump
AE-431	UH-1H	Ejercito Argentina		1x	IA-58	pres, sqn bldg (tail only)	
AE-463, AE-464, AE-472	UH-1H-II	Ejercito Argentina		San Justo			6 October 2019
AE-473, AE-479	UH-1H-II	Ejercito Argentina		E-243	MS760A	pres, ex FAA	31A
H-95	Mi-171E	7 BA.	E00321057024	The Morane Saulnier MS760 Paris is preserved in a picnic area.			
Preserved				San Lorenzo			6 October 2019
A-320	IA-35	ex FAA		C-710	Mirage 3CJ	pres, ex FAA	CJ33



Dauphin 092 of the Uruguayan Air Force was at the second hand market. The helicopter is assigned to EA5 (Helicopteros). Ton van Bakel photographed the AS365N2 at Montevideo International on 3 October 2019.



Ton van Bakel could hear the typical sound of the Huey in Paraná when AE-431 was seen hovering above the runway. (5 October 2019)



Grupo 5 de Caza has the A-4 on strength. C-926 is one of them, and is as the rest a former US Navy aircraft. (Reconquista, 6 October 2019, Ton van Bakel)



The Pucará is another indigenous Argentinian design. Used as a counter insurgency aircraft and used operationally in the Falklands War. A-568 was seen at Reconquista by Ton van Bakel on 6 October 2019.



Since 29 January 2018, this Bell 412EP H-103 is used by the Argentinian Air Force. (Reconquista, 6 October 2019, Ton van Bakel)

Santa Fe City Center 6 October 2019
 0781/A-4-136 MB326GC pres ex Navy **77116359**
 Sauce Viejo 6 October 2019
 E-610 T-28A pres, ex FAA
 This T-28 Trojan is preserved in a parking lot.
 BA Ezeiza 7 October 2019
 1x A-4 ex FAA
 0740/5-T-10 F28-3000 pres, ex FAA **11147**
 0741/5-T-20 F28-3000 pres, ex FAA
 The Heinemann's Hotrod is preserved at the gate on a pole.
 San Fernando 7 October 2019
 PA-102 PA-28-161 Pref. Naval **28-16096**
 1x Schweizer 300C Prefectura Naval
 1x C-12 US Embassy Flt?

Preserved

2x C212 Prefectura Naval
 LQ-JNV RC680FL ex Policia de Misiones

Credits: Ton van Bakel and Patrick van Stiphout

Taiwan and Okinawa

On 30 November 2019, early in the morning, a group of aviation enthusiasts gathered at Schiphol for the final trip of 4 Aviation that was held in 2019. The trip was planned with visits in Taiwan and Okinawa (Japan). With an A350 of China Airlines we flew in thirteen hours from Amsterdam to Taipei.

Taipei-Taoyuan 1 December 2019
 B-18212 B747-409 China Airlines
 B-18910 A350-941 China Airlines

Hsinchu 1 December 2019

2 TFW Mirage 2000Ei

2002/EI02, 2005/EI05, 2007/EI07, 2009/EI09, 2016/EI16, 2026/EI26, 2029/EI29, 2032/EI32,

2 TFW Mirage 2000Di

2054/DI04, 2060/DI10

Bei 1 December 2019
 4398 RF-104G preserved
 This Starfighter can be found in a park not far from Hsinchu AB.

Hsinchu-Ling Yun Park 1 December 2019
 5341 F-5E preserved
 This Taiwan built F-5E can be found at Ling Yun Park in the city. The Tiger is also marked as 30111.

Taipei-Songshan 1 December 2019
 939 UH-60M Rescue sq
 1901 Beech 1900C-1 Special Transport sq **UC-23**
 1904, 1910 Beech 1900C-1 Special Transport sq
 B-00777 A319-133X Hua Yuan International
 B-16335 A330-302 EVA Air
 B-16828 ERJ190AR Mandarin Airlines
 B-16851 ATR72-212A Mandarin Airlines
 B-17005, B-17010 ATR72-212A Uni Air
 B-17012 ATR72-212A Uni Air
 B-17017 ATR72-212A EVA Air
 B-28007 DC-9-83 Far Eastern Air Transport
 B-28017 DC-9-82 Far Eastern Air Transport
 B-28021 DC-9-82 Far Eastern Air Transport
 B-28088 ATR72-212A Far Eastern Air Transport
 B-54111 A319-115X Skyjet
 B-68808 BN-2T ROC Aviation
 B-99988 G650 Win Air Business Jet Co.
 EI-EGO G550 Private Sky
 HL8306 B737-8AS T'Way Air
 JA708J B777-246ER Japan Airlines
 JA808A B787-8 ANA

Military hangars

3701 B737-8AR Presidential Flt Section
 5001 Fokker 50 VIP sq

Su Ao-Yilan Soldiers Cemetery 1 December 2019
 4381 F-104G preserved

At the Yilan Soldiers Cemetery you can find this Starfighter in a very good condition.

After the usual hassle with customs and immigration, we collected our cars at the rental company. Immediately we went to Hsinchu, where the Mirage 2000 fleet is based. After a couple of W&R locations we drove back to Taipei, to spot for a few hours at Songshan airport. Here the Taiwanese VIP fleet is based. Late in the afternoon we travelled further to Hualien, where we would start the next day.

Hualien 2 December 2019
 1305/85-0017 C-130H 6th EWS/20th EWG
 1319/97-1319 C-130H 6th EWS/20th EWG
 1907 Beech 1900C-1 Special Transport sq
 2307 S-70C(M)-1 Air Group
 5002 Fokker 50 VIP sq
 B-16857 ATR72-212A Mandarin Airlines
 B-17016 ATR72-212A EVA Air
 B-23062 Ce208B Avanti Aviation

Based

5408/30134	F-5F	5 TFW/12 TRS
6657	F-16A	5 TFW/12 TRS

5 TFW (F-16A)

6720

5 TFW/17 TFG (F-16A/B*)

6655, 6666, 6820*

5 TFW/26 TFG (F-16A)

6672, 6679, 6682

5 TFW/27 TFG (F-16A/B*)

6693, 6695, 6696, 6824*

Stored/Preserved

5206/60476	F-5E	stored
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Hualien-Dongdamen Night Market 2 December 2019
5253/80028 F-5E preserved
This F-5E can be found at the Dongdamen Night Market in the city.

Hualien-Chung Hua Sr Technical High	2 December 2019
1116/40776	F-5B i/a
(2109)	H269C i/a
(4367)	F-104G i/a
5123/40980	F-5E i/a

The aircraft at the Chung Hua Senior Vocational High School, can not be seen from the outside. The fixed wing aircraft are outside under a roof and the helicopter is inside a building together with a ULV.

After breakfast we drove to Hualien Air Base where we found a nice spot in the landing. After a while our patience was rewarded, when the first F-16s landed. Flying activities occur all day, and you can sure enjoy yourself here until it is dark. When flying went a bit quiet, we visited some W&R locations again and we drove on to a nice hotel near Taitung. This city was the planned start for tomorrow.

Taitung	3 December 2019
945/27365	UH-60M Rescue sq
0834/76-6034	AT-3 Fighter Training Group

Based

5272/80874	F-5E	TT&DC (camo c/s)
5399/30125	F-5F	TT&DC (silver c/s)

7 TFW (F-5E)

5265/80867, 5268/80870, 5286/800307, 5372/80879, 5378/791721, 5403/30129, 5407/30133, 5412/30138

7 TFW/44 TFS (F-5E)

5291/00312, 5384/00296, 5397/30123

7 TFW/46 TFS (F-5E)

5274/91717, 5290/00311, 5374/80881, 5380/791723, 5392/30118, 5396/30122, 5404/30130

Inside hangars

5261/80036	F-5E	7 TFW
5398/30124	F-5F	7 TFW

Taitung-Li Jia Martyr's Shrine 3 December 2019
4179/61-3083 TF-104G preserved

At the north-west side of the city, in the hills, this Starfighter can be found in good condition.

Taitun-Civilian Airport	3 December 2019
B-55571, B-5573	DHC-6-400 Daily Air Corporation

Preserved

B-11112	BN-2A/III-2	preserved
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On the side of the terminal, there is a small park with a nicely preserved Trilander in Taiwan Airways c/s.

Taitung-Malan Veteran's Home	3 December 2019
5119/00976	F-5E preserved

In a park at the grounds of this Veteran's hospital you can find this F-5.

Early in the morning, we woke up and had big doubts if the F-5s would fly because of the hard wind. The hotel where we stayed has a rooftop terrace. This terrace gave us a very good overview of the base. Luckily we could see some movements in preparation for a day with flying operations. The breakfast was served on the terrace, and while we were eating, we could see the first F-5s moving. Around lunchtime we left the hotel and visited some W&R locations in the area and went back to the air base when the afternoon wave started. After the flying stopped, we drove from the east to the west side of the island and passed the beautiful mountains in the south of Taiwan. We ended our day in a hotel in Tainan.

Chiayi	4 December 2019
935/27319	UH-60M Rescue sq
1311/85-0023	C-130H 6 T/EWW
1904	Beech 1900C-1 Sp. Transport sq UC-29
B-17006	ATR72-212A Uni Air

4 TFW/21 TFG (F-16A/B*)

6612, 6614, 6618, 6623, 6624, 6802*, 6805*

4 TFW/22 TFG (F-16A/B*)

6635, 6700, 6821

4 TFW/23 TFG (F-16A)

6647, 6649, 6653



KC-130H TC-70 was seen at Reconquista. The tanker Hercules was originally delivered on 10 May 1979 to the Argentine Air Force. (6 October 2019, Ton van Bakel)



This Cessna 182 is built under license by FMA. PG-350 was last noted in our database in September 2014 as stored in Morón. Ton van Bakel saw the aircraft at Reconquista on 6 October 2019.

Kaohsiung-Hua Te Tech. High School 4 December 2019
 2205 S-2T preserved
 NA-507 UH-1H preserved

You can find these two nice airframes in front of the Hua Te Vocational High School of Technology. The Tracker is a Navy one (in a blue c/s). The Huey is a AIDC build airframe.

Tainan-Nat'l Taiwan Industrial High School 4 December 2019
 0215/31577 F-100A i/a
 5840 PL-1B i/a
 6299 F-86F i/a
 6306/113343 F-86F i/a
 NA-201 S-76B i/a **76-0334**
 NA-511 UH-1H i/a **18075**
 NA-518 UH-1H i/a **18006**
 B-11118 BN-2A-3 i/a

This school can be found in the north-east part of Tainan, along the Jhongshan road. The two Hueys are AIDC build airframes. The two Sabres are in an not very good condition.

Tainan-National University of Tainan 4 December 2019
 NA-506 UH-1H preserved

This UH-1 can be found in front of an building of the National University of Tainan in which the Department of Aeronautics and Astronautics is located. The Huey can easily be seen from outside.

We started our day at Tainan airbase, however hard wind and a bit of rain were the reasons nothing happened here. We moved on to Chiayi to see if the F-16s were flying. They flew very well, the weather in Chiayi was sunny with a few clouds. The local police was very fast to check our IDs, but we were allowed to stay after this check. When the flying slowed down, we paid visits to a couple of W&R locations and after that we travelled to our next hotel in the city of Gangshan.

Gangshan-Zhaoxiang Elementary School 5 December 2019
 0720 A-CH-1B preserved

In front of the school, visible from the public road, is this nice T-28 look-a-like that was produced by the Taiwanese company AIDC.

Gangshan-Air Force Institute of Technology 5 December 2019
 5365/70347 F-5F preserved

Visible from the public road you can see this F-5 inside the military complex.

Gangshan Air Base 5 December 2019
 1903 Beech 1900C-1 Special Transport sq
 5002 Fokker 50 VIP sq

Fighter Training Group (AT-3)

0803/73-6003, 0806/74-6006, 0807/73-6007, 0808/74-6008, 0810/74-6010, 0820/75-6020, 0822/75-6022, 0824/75-6024, 0832/76-6032, 0834/76-6034, 0841/76-6041, 0844/76-6044, 0852/77-6052, 0853/77-6053, 0855/77-6055, 0859/78-6059, 0861/78-6061, 0862/78-6062

Basic Training Group (T-34C)

3403/84003, 3404/84004, 3405/84005, 3409/84009, 3410/84010, 3411/84011, 3414/84014, 3418/84018, 3419/84019, 3424/84024, 3426/84026, 3427/84027, 3429/84029, 3434/84034, 3435/84035, 3439/84039, 3441/84041, 3444/84044

Pingtung-North 5 December 2019
 3310 P-3C 6 T/EWW / 34 sq

Gangshan-Old Museum 5 December 2019

0001/63968 F-100F preserved
 0603 C-123K preserved, as "603"
 1104/69237 F-5B preserved
 2128 S-2E preserved
 3190/51-8106 C-119F preserved
 4241/56-0823 F-104A preserved
 5101/40958 F-5E preserved
 C43536 DC-6B preserved
 "6190/44-78309" C-46A preserved, ex ROKAF

The aircraft on this side, near the entrance of the air base, can be visited on weekdays (when the gate is open). They want to put these aircraft into a new building near the museum, but they lack funds at this moment to facilitate this move.

Gangshan-ROCAF Technical School 5 December 2019
 1235/69201 F-5A preserved

The Technical School is on the road to the museum. The F-5 is in use as a gate guard, and can easily be seen from outside.

Gangshan-AEEH 5 December 2019

0195 H-5 preserved
 1765 MiG-15bis preserved
 3171 JJ-6 preserved
 40208, 40307 J-6 preserved
 83065 J-5 preserved
 44-73837 P-51D preserved as "F-51053"
 2318 MiG-21F-13 preserved
 054 PT-17 preserved
 104 P-40 preserved
 0211/31561 F-100A preserved
 0742/69-3042 A-CH-1B preserved
 1104 TP-1 preserved
 1276/97098 F-5A preserved
 1901/71-7001 XA-3 preserved



The Mi-171 was ordered by Argentina for supporting the Arctic mission. H-95 is one of two Hips. Three more are on order to strengthen the support. (Reconquista, 6 October 2019, Ton van Bakel)



Piper PA-28 PA-102 is a Chincul assembled example of the Archer. The Archer is in use with the Prefectura Naval (Coast Guard) and is assigned to the San Fernando unit. (San Fernando, 7 October 2019, Ton van Bakel)



One of "just" 150 F-16 aircraft is this example. F-16 6720 is in use with 5 TFW at Hualien. (2 December 2019, Raymond van Dijkhuizen)

2001	S-2A	preserved (cockpit only)
2102/133051	S-2A	preserved
2823/17757	T-28A	preserved
3025/T-33025	T-33A	preserved
(3082)	T-33A	preserved (cockpit only)
3412/84012	T-34C	preserved
3601/75859	U-3A	preserved
4166/71326	F-104D	preserved
4344/47770/FG-770	F-104G	preserved
4413	F-104G	preserved
5353/61642	F-5F	preserved
5658/41506	RF-101A	preserved
5842, 5843	PL-1B	preserved
(7219)/48806	C-47B	preserved
8011/58-2061	U-6A	preserved
9301/22446	O-1G	preserved
11023/49-0076	HU-16A	preserved
18351	B720-051B	preserved
AT-11005	AT-11	preserved
<u>F-84130</u>	F-84G	pres, as "F-84054/23003"
<u>F-86049</u>	F-86F	pres, as "F-86353/13283"
61-0804	AT-38B	preserved, as "3842"
304/60-2004	UH-1H	preserved
617	OH-13H	preserved, as "1101"
906	OH-6A	preserved
2206	S-2T	preserved
(44-35444)	A-26C	preserved
...	UH-1H	preserved (hulk only)
...	P-40	preserved (cockpit only)
1	Rosamonde	preserved (replica)
IV-1	Curtiss Hawk III	preserved (replica)

The museum is situated on the north side of the air base. There is no option to see (flying) activities from the museum side.

Thursdays in Taiwan are different for flying operations, as only in the morning there are such activities. This morning we were on the training base Gangshan. We were again concerned about the hard wind this day and we had doubts if the T-34s and AT-3s would fly. Finally the wind dwindled down, and the first wave of T-34s started up and went airborne. When all T-34s were back, the AT-3s started flying. After all AT-3s were back, we drove to Pingtung to see if there was flying something, and we were very lucky with a P-3 Orion that just came in. After that we did some W&R locations. Also we visited the nice museum near Gangshan air base. In the end of the day we drove to Taichung for the next hotel.

Taichung-Ching Chuan Kang (CCK)		6 December 2019
4147/61-12236	TF-104G	preserved
In front of the military gate, this Starfighter is preserved.		
Taichung-Military Memorial Park		6 December 2019
4178/61-3882	TF-104G	preserved
4416/62-12348	F-104G	preserved
In Dajia district, you will find this memorial park on top of a mountain. Inside the complex you can find two Starfighters. Both are well preserved, and with the nice area around, you can make wonderful pictures of them.		
Taichung-City of Taichung Fire Bureau		6 December 2019
NA-509	UH-1H	preserved
The local fire station has a license built Huey helicopter in the building. It is hidden between the fire engines in the equipment bay. The people here were very friendly and removed the equipment for the purpose of making pictures of this helicopter.		
Taichung-823 Campaign Memorial Park		6 December 2019
4193/63-8467	TF-104G	preserved
5283/00304	F-5E	preserved
This small and easy to visit memorial park, has some military equipment, including a Starfighter and an F-5.		
Taichung-National Chung Hsing University		6 December 2019
0234/31642	F-100A	preserved
(5804)	PL-1B	preserved
In a garden of the university, these two aircraft are preserved. Unfortunately in a bad shape. You can enter the campus of the university and take pictures of both aircraft.		
Taichung-Tzu Ming High School		6 December 2019
(5109)/0388	F-5E	preserved
This aircraft can not be seen from the public road. When you want to see or photograph this aircraft remember to ask for permission to enter the school campus.		
Sihu-Li Chao Temple		6 December 2019
0749	R-CH-1	preserved
In the garden in the back of this temple, you can find this AIDC aircraft. It is not in a very good shape and partly overgrown with plants.		
Xihu-Aviation Park		6 December 2019
0009	F-100F	pres, as "0011/31566"
3160	C-119F	preserved
4400/67-22517	F-104G	preserved
5140/40997	F-5E	preserved



Raymond van Dijkhuizen saw this F-5 two-ship formation, consisting of 5291 and 5372 at Taitung where the 7 FTW is stationed. 5291 is painted in this splendid Tiger c/s. (3 December 2019)



Raymond van Dijkhuizen combined Taiwan with Okinawa. At Naha he saw Hawkeye 44-3462. (10 December 2019)

This small town has a very nice, maintained park with four beautiful aircraft.

Jhanghua-Baguashanz Hongzheng Park 6 December 2019
4417/63-13645 F-104G preserved

In a small park near some military buildings, this Starfighter is preserved.

Jhanghua-C119 Park 6 December 2019
3183/51-8071 C-119G preserved
5125/40982 F-5E preserved

On top of a mountain, near some military buildings, you can find these preserved aircraft.

When we enjoyed our breakfast, it was directly apparent that bad weather, with many rain showers and hard wind would impact flying activities. We discussed what to do and decided that today we would visit W&R locations in the area. Besides the bad weather, we tried to make the day a success with many airplanes. Today no travelling to another city, so we slept again in the same hotel, as advantage we could have a second attempt at Taichung the next day.

Taichung-Ching Chuan-Kang (CCK) 7 December 2019
1436/84-8054 F-CK-1C 3 TFW/28 TFG
B-8498 A320-232 China Eastern Airlines
B-16855, B-16857 ATR72-212A Mandarin Airlines
B-17008 ATR72-212A Uni Air
B-17017 ATR72-212A EVA Air
B-28082 ATR72-212A FAT
B-LEB A321-231 HK Express
HL8021 B737-8GJ T'Way Air

Taipei-Songshan 7 December 2019
B-6070 A330-243 Air China
B-16337 A330-302 EVA Air
B-16852 ATR72-212A Mandarin Airlines
B-28007 DC-9-83 FAT
B-28017 DC-9-82 FAT
B-28088 ATR72-212A FAT
HL8097 B737-9GPER Eastar Jet
JA711J B777-246ER JAL
JA807A B787-8 ANA
B-55411 A318-112X EVA Air n/t
B-96999 WTT
N886WT G650ER Qualcomm n/t
T7-RSG G550 Amber Avn (Hong Kong) n/t

Military platforms

939 UH-60M Rescue sq

Military hangars

1903, 1904, 1906
1911, 1912
5002, 5003

Taipei-Taoyuan

9V-SCB
A6-EEY
B-1635
B-1951, B-5421
B-HNQ
B-LNR
C-FGDZ
HL7248
HL8090
PH-BQC
TC-LJK

Hub traffic

EVA Air A321 (4), A330 (2), B777 (3), B787 (4)
China Airlines A330 (5), A350 (2), B737 (2), B747 (1)
B777 (2)
A320 (1)

Tigerair Taiwan

Okinawa-Naha

B-50011 A320-232
JA67AN B737-881
JA73NE B737-82Y
JA752J B777-346
JA805P A320-214

Beech 1900C-1 Special Transport sq
Beech 1900C-1 Calibration sq
Fokker 50 VIP sq

7 December 2019

B787-10 Singapore Airlines
A380-861 Emirates
A320-214 China Eastern Airlines
B737-81B China Southern Airlines
B777-367 Cathay Pacific Airways
A330-343 Hongkong Airlines
B787-8 Air Canada
B767-38E Asiana Airlines
B737-8AS JeJu Air
B777-206ER KLM
B777-3F2ER Turkish Airlines

7 December 2019

A320-232 Tigerair Taiwan
B737-881 Solaseed Air
B737-82Y Skymark Airlines
B777-346 JAL
A320-214 Peach Aviation

Today we started at the airfield of Taichung. Here we hoped to see our F-CK-1 Ching-Kuo after a disappointment at Tainan. Again, today the weather was very windy. Luckily, two Ching-Kuos left Taichung. We waited for more than 1,5 hours if they returned. After that, we thought they diverted to another base and we walked back to the cars a bit disappointed. Just when we entered the car, the first Ching-Kuo came back, giving us ample time to photograph the second one! After catching the plane on our camera, we drove back to Taipei and paid a small visit to Taipei-Songshan before we flew to Okinawa from Taipei-Taoyuan.

8 December 2019

B-1530 B737-89L Air China
B-2411 A320-214 China Eastern Airlines
B-6753 A321-231 China Eastern Airlines
B-16207 A321-211 EVA Air
B-18917 A350-941 China Airlines
B-LBD A330-343 Dragonair
B-LEB A321-231 HK Express



Jetstar Japan operates a fleet of 25 Airbus A320s. JA24JJ is one of them and was delivered to the airline in September 2018. (Okinawa, 10 December 2019, Raymond van Dijkhuizen)



Japan Transocean Air is an airline which operates domestic services on behalf of Japan Airlines with a fleet of twelve Boeing 737-800s. JA06RK is one of them and was delivered in Sakura Jimbei colours in December 2017. (Okinawa, 10 December 2019, Raymond van Dijkhuizen)



JA73NR is one of the 29 Boeing 737-800 aircraft in Skymark Airlines' fleet. The aircraft is painted in a Hanshin Tigers colour scheme. Hanshin Tigers is a Nippon Professional Baseball team and one of the oldest professional clubs in Japan. (Okinawa, 10 December 2019, Raymond van Dijkhuizen)



Japan has stationed two squadrons of F-15s at Okinawa. F-15 52-8955 is one of them. (Naha, 10 December 2019, Raymond van Dijkhuizen)

B-LNM	A330-343	HongKong Airlines	84-00168	C-12U-3	52nd AVN/US Army Korea
HL7562	B737-8B5	Jin Air	159893/893, 157325/325	EP-3E	VQ-1
HL8257	A321-231	Asiana Airlines	161587/587, 161588/588	P-3C BMUP+	VP-69
JA04JC	ATR42-600	Japan Air Commuter	163557	UC-12F	Kadena Stn Flt
JA25MC	A320-214	StarFlyer	167927/QD	KC-130J	VMGR-152
JA010G	Ce525C	Japan Civil Avn Bureau			
JA123E	PA34-220T	North Japan Airlines			
JA355E	AS355N	Excel Air Service			

Hub traffic

ANA	A320 (1), B737 (11), B767 (6), B777 (6), B787 (1)
ANA Wings	DHC-8 (1)
JAL Japan Airlines	B767 (3), B777 (4)
Japan TransOcean Air	B737 (10)
Jetstar Japan	A320 (4)
Peach Aviation	A320 (5)
Ryukyu Air Commuter	DHC-8 (4)
Solaseed Air	B737 (4)
Skymark Airlines	B737 (7)

Preserved

03-3095	Beech 65	preserved
37-8321	F-4EJ Kai	preserved
76-8688	F-104J	preserved
81-5327	T-33A	preserved

Near the military gate, there are four preserved airframes.

After a relaxed Japanese breakfast, we went around 10 AM to the open day of the Japanese Air Self Defence Force. The military side is situated next to the civil terminal of Naha airport. All local units participated in the open day. To celebrate the Phantom Pharewell, two were sent to the island, and also some other aircraft you do not usually see at Okinawa. Besides the military movements, a lot of civil traffic is also happening. After we were escorted off by the military, we collected the rental car and went back to our hotel.

For the show report please refer to Scramble 488, page 99-100.

Okinawa-Kadena		9 December 2019
177705	CC-177	429sq
61-2662/OF	RC-135S	55th Wing/45th RS
62-4125/OF	RC-135W	55th Wing/38th RS
62-4130/OF	RC-135W	55th Wing/38th RS
63-9792/OF	RC-135V	55th Wing/38th RS
71-1407/ZZ	E-3B	18th Wing/961th AACSS
89-26207/ZZ	HH-60G	18th Wing/33th RQS
91-26405/ZZ	HH-60G	18th Wing/33th RWS
08-6202	MC-130J	353th SOG/17th SOS
16-5843/YJ	C-130J-30	374th AW/36th AS

18th Wing/909th ARS (KC-135R/T*)

57-1454/ZZ, 58-0055/ZZ*, 58-0086/ZZ*, 58-0093/ZZ, 59-1459/ZZ, 59-1520/ZZ*, 62-3498/ZZ, 62-3561/ZZ, 62-3562, 62-3565/ZZ

18th Wing/44th FS (F-15C)

78-0483/ZZ, 81-0031/ZZ, 81-0038/ZZ, 81-0042/ZZ, 83-0013/ZZ, 83-0024/ZZ, 83-0034/ZZ, 84-0025/ZZ, 85-0097/ZZ, 85-0120/ZZ, 85-0124/ZZ

18th Wing/67th FS (F-15C)

78-0548/ZZ, 81-0029/ZZ, 81-0032/ZZ, 81-0037/ZZ, 83-0029/ZZ, 85-0098/ZZ, 85-0103/ZZ, 85-0117/ZZ, 85-0119/ZZ

Detachments USAF

96-0042/GA, 97-0200/GA	E-8C	116th ACW/128th AACs
97-3091, 10-3077	C-146A	492nd SOG/524th SOS

VP-45 (P-8A, detachment USN)

168429/LN-429, 168430/LN-430, 168764/LN-764, 169006/LN-006, 169010/LN-010

Today we had some very nice weather. After breakfast we drove to Kadena where the US Air Force and US Navy have stationed units. There was plenty of flying, the Eagles kicked off in (huge) numbers. During the day we saw many fighters and transports flying. In the morning we stayed seaside where the F-15s turn in for the runway and in the afternoon we moved to the Michinoeki observation deck from which you have a wonderful view on the base. When the light was gone we drove back to our hotel.

Okinawa-Naha		10 December 2019
8655/55	MCH-101	111 Kokutai
03-8504	F-2A	8 Hikotai
32-8081	F-15DJ	JASDF
41-5053, 41-5063	T-400	41 Kyoiku Hikotai
75-1078	C-130H	401 Hikotai
167925/QD-925	KC-130J	VMGR-152
9V-JSP	A320-232	Jetstar Asia Airways
B-8406	A321-211	China Eastern Airlines
B-16207	A321-211	EVA Air
B-18315	A330-302	China Airlines
B-50005	A320-232	Tigear Taiwan
B-LEI	A321-231	HK Express
B-LHD, B-LNM	A330-343	HongKong Airlines
HL8074	A321-231	Asiana Airlines
HL8269	B737-8Q8	Eaststar Jet



Beech T-400 41-5033 is used by 41 Kyoiku Hikotai, which is part of the Air Support Command. The unit is stationed at Miho. During fiscal year 2020 the unit will relocate to Hamamatsu, once the KC-46 unit is active at Miho. (Naha, 10 December 2019, Raymond van Dijkhuizen)



The United States still keep a large presence in Japan. With PACAF there are two squadrons of F-15 Eagles under control of 18th Wing stationed at Kadena. 83-0025/ZZ is part of 67th FS. (11 December 2019, Raymond van Dijkhuizen)



United States Marines Hornets do visit Kadena on a regular basis. BuNo 164688 from VMFA(AW)-242 is seen in the landing pattern at Kadena. (11 December 2019, Raymond van Dijkhuizen)

JA03JC	ATR42-600	Japan Air Commuter
JA07MC	A320-214	Starflyer
JA010G	Ce525C	Japan Civil Avn Bureau
JA130A	EC130T-2	n/t
JA355E	AS355N	Excel Air Service

The Navy KC-130J was overflying Naha on the way to Kadena.

Based military

22-8933, 42-8833, 42-8950	F-15J	204 Hikotai
52-8955	F-15J	204 Hikotai
82-8091	F-15DJ	204 Hikotai
02-8920, 22-8935, 42-8946	F-15J	304 Hikotai
42-8948, 52-8953, 52-8957	F-15J	304 Hikotai
32-8086	F-15DJ	304 Hikotai
34-3453, 44-3462	E-2C	603 Hikotai
36-5702	T-4	204 Hikotai
57-4493	CH-47J	Koku Kyunandan
62-3004, 82-3007	U-125A	Koku Kyunandan
88-4586	UH-60J	Koku Kyunandan
5036, 5053, 5056, 5057	P-3C	5 Kokutai
5070, 5071	P-3C	5 kokutai

Military hangars

06-5632	T-4	JASDF
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Coast Guard area

JA22RP	A109	Japan Police
JA572A	Falcon 2000MSA	Japan Coast Guard
JA720A	DHC-8-315	Japan Coast Guard

Hub traffic

ANA	A321 (1), B737 (14), B767 (4), B777 (7), B787 (1)
JAL Japan Airlines	B767 (3), B777 (6)
Japan Trans Ocean Air	B737 (11)
Jetstar Japan	A320 (4)
Peach	A320 (6)
Ryukyu Air Commuter	DHC-8 (4)
Solaseed Air	B737 (4)
Skymark Airlines	B737 (7)

All day was spent at Okinawa-Naha. Naha is a very busy airfield, due to the fact that it is both a civil and military facility. In the morning you have a very good view from Shiosai Park, located on the south-east side of the runway. In the afternoon you can better spot at Senaga Island, where they built a spotting terrace at a mountain side and the aircraft are passing below you.

Okinawa-Kadena		11 December 2019
61-0277	KC-135R	190th ARW/117th ARS
61-2662/OF	RC-135S	55th Wing/45th RS

62-3561/ZZ	KC-135R	18th Wing/909th ARS
93-0599/AK	C-17A	3rd Wing/517th AS
97-0044	C-17A	445th AW/89th AS
97-0103	UC-35A-1	52nd AVN
12-5763, 13-5775	MC-130J	353rd SOG/17th SOS
159893/893	EP-3E	VQ-1
161588/588	P-3C BMUP+	VP-69
163557	UC-12F	Station Flight Kadena
168996/LA-996	P-8A	VP-5
164688/12, 165531/DT-03	F/A-18D	VMFA(AW)-242
169227/QD-227	KC-130J	VMGR-152

18th Wing/44th FS (F-15C)

81-0020/ZZ, 81-0031/ZZ, 81-0038/ZZ, 81-0042/ZZ, 83-0013/ZZ, 83-0034/ZZ, 84-0025/ZZ, 85-0097/ZZ, 85-0120/ZZ, 85-0124/ZZ

18th Wing/67th FS (F-15C)

80-0012/ZZ, 83-0025/ZZ, 85-0098/ZZ, 85-0104/ZZ, 85-0105/ZZ, 85-0115/ZZ

VP-45 (P-8A, detachment USN)

168429/LN-429, 168761/LN-761, 169006/LN-006, 169010/LN-010

Okinawa-Futenma		11 December 2019
161262/YJ-02	CH-53E	HMH-USA
168405/SM-..	UH-1Y	HMLA-369
168806/EP-42	AH-1Z	VMM-265
168961/SN-47	AH-1Z	HMLA-169
169496/SM-55	AH-1Z	HMLA-369
...../...-00	UH-1Y	

Okinawa-Kadena city		11 December 2019
81-5345	T-33A	preserved, fuselage only
81-5349	T-33A	preserved, fuselage only

Two fuselages of T-33s can be found near the air base of Futenma.

Okinawa-Naha		11 December 2019
22-8811, 32-8818, 42-8833	F-15J	204 Hikotai
52-8955, 62-8959	F-15J	204 Hikotai
02-8802, 42-8828, 42-8843	F-15J	304 Hikotai
82-8091	F-15DJ	204 Hikotai
57-4493	CH-47J	Koku Kyunandan
B-16821	ERJ190AR	Mandarin Airlines
B-18311	A330-302	China Airlines
HL8327	B737-8KN	T'Way Air
JA04VA	A320-216	Peach Aviation
JA62AN	B737-881	ANA
JA73ND	B737-8FZ	Skymark Airlines
JA82AN	B737-881	ANA
JA702A	B777-281	ANA
JA737T	B737-8Q8	Skymark Airlines
JA752A	B777-381	ANA



Taiwan ordered three types to replace the ageing fleet of F-104 Starfighters and F-5 Freedom Fighters. These are the F-16, Mirage 2000 and the F-CK-1A/B Ching-Kuo. Serial 1623 was seen by Raymond van Dijkhuizen at Tainan on 13 December 2019.



F-5 5372 was seen twice by Ramond van Dijkhuizen in the same trip. One time together with 5291 at Taitung and today at Tainan. (13 December 2019)

JA806X	B737-86N	Solaseed Air
JA808P	A320-214	Peach Aviation
JA809X	B737-86N	Solaseed Air
JA818A	B787-8	ANA

Based Airlines

JA04RK, JA05RK	B737-8Q3	Japan TransOcean Air	
JA08RK, JA09RK	B737-8Q3	Japan TransOcean Air	
JA84RC	DHC-8-402C	Ryukyu Air Commuter	
Taipei-Taoyuan			11 December 2019
B-16716	B777-35EER	EVA Air	
B-18052	B777-36NER	China Airlines	
B-18903, B-18912	A350-941	China Airlines	

Today was our last day at Okinawa and we planned to start in the morning at Kadena and to end the day in Naha. In the early morning we saw that a Cobra Ball was departing from Kadena and we decided to wait for the return of this aircraft. This was a good guess, because it was very busy at Kadena. We searched for a beautiful place near the coast, from where we could also see some movements from the Marines based at Futenma when they flew along the coast. After the Cobra Ball returned, we drove off to Naha to enjoy the last movements of the F-15s of the Japanese Air Self Defence Force and to see the beautiful sunset. Late in the evening we flew back to Taipei-Taoyuan.

Hsinchu 12 December 2019

2 TFW (Mirage 2000Ei)

2001/EI01, 2002/EI02, 2006/EI06, 2007/EI07, 2008/EI08, 2014/EI14, 2016/EI16, 2018/EI18, 2027/EI27, 2029/EI29, 2032/EI32, 2044/EI44

2 TFW (Mirage 2000Di)

2054/DI04, 2056/DI06, 2059/DI09

Shalu 12 December 2019
 4371/63-13249 RF-104G preserved
 Near a fire station, you can find this Starfighter in a small park.

Taichung-AIDC 12 December 2019
 5308/81005 F-5E preserved

This F-5 is the only AIDC upgraded F-5, and is officially named "AIDC Tiger 2000". The aircraft is preserved at a factory of the AIDC company, and can be photographed with permission. To top it off, it is painted in a Tiger colour scheme.

Taichung-Aviation park 12 December 2019
 5262/80037 F-5E preserved

This F-5 is preserved on a perimeter road on the eastern side

of CCK airbase. This is the only preserved aircraft in this 13 kilometre long park.

Taichung-AIDC HQ			12 December 2019
0701/62-3001	XT-CH-1B	preserved	
0802/70-6002	XAT-3	preserved	
(68-5001)/67-5001	XC-2	preserved	

The AIDC HQ has a small collection of aircraft. The collection can be seen from outside near a fire gate on the southside of the complex.

Yun Lin-University 12 December 2019

Instructional airframes (inside)

NA-202	S-76B		76-0393
B-55565	Do228-212	ex Daily	
N714YF	Ce152		
N1929P	CT-39A		
1x	CH-701		

Outside

3056/561721	T-33A	preserved	
3321	T-33A	preserved	
NA-302	Beech 350		i/a
NA-520	UH-1H	preserved	18076
B-16825	ERJ190AR	ex Mandarin AL	std

This university has a very nice collection of aircraft. The outside aircraft can be seen easily when entering the campus. For aircraft that are inside, you need to ask permission. The outside stored ERJ190 is only the fuselage.

The next few days we had a tight schedule in Taiwan. Luckily the weather looked promising these last three days of our trip and our expectations were very high. As stated earlier, there are only flying activities on Thursday in the morning. We decided to start at Hsinchu to test our luck with the Mirage 2000 and this was very successful. After all Mirages were back on their base, we drove to Tainan for the next day and during the travel to that city, we visited some W&R locations.

Tainan 13 December 2019

1319/37-1319	C-130H	6 T/EWW
1442/85-8063	F-CK-1C	3 TFW/28 TFG
1452/85-8073	F-CK-1C	3 TFW/28 TFG
5002	Fokker 50	VIP sq
5372/80879	F-5F	7 TFW
5389/30115	F-5F	7 TFW
5399/30125	F-5F	TT&DC
5403/30129	F-5F	7 TFW

B-16829	ERJ190AR	Mandarin Airlines
B-17013	ATR72-212A	Uni Air
B-18658	B737-8SH	China Airlines
RA-67254	DHC-8-402Q	Aurora

Based Military (F-CK-1C)

1446/85-8067, 1448/85-8069, 1456/86-8079, 1459/86-8083, 1463/86-8088, 1470/87-8096, 1481/87-8110, 1482/87-8111, 1486/88-8116, 1493/88-8125, 1494/88-8126, 1495/88-8127, 1496/88-8128

Based Military (F-CK-1D)

1612/83-8037, 1613/84-8039, 1616/84-8056, 1618/86-8075, 1623/87-8098, 1624/87-8101, 1626/88-8115, 1627/88-8118

We rised early to travel to Tainan Air Base. When we arrived, it was very quiet. Luckily, after a while we heard that some Ching-Kuos were starting up, and every one was now very excited. After just over an hour the first Ching-Kuo's arrived back. This continued the whole day. Besides the Ching-Kuo aircraft, some other visited the airbase for some touch-and-goes. Besides military traffic, also civil traffic is present. When the light was gone and all local aircraft were RTB, we drove to the hotel in Taichung.

Taichung-Ching Chuan-Kang (CCK) 14 December 2019

1903	Beech 1900C-1	Special Transport sq
B-8497	A320-232	China Eastern Airlines
B-16217, B-16218	A321-211	EVA Air
B-16853, B-16855	ATR72-212A	Mandarin Airlines
B-17007	ATR72-212A	Uni Air
B-17017	ATR72-212A	EVA Air
B-50005	A320-232	Tigerair Taiwan
B-HSE	A320-212	Dragonair
B-LEJ	A321-231	HK Express
HL8306	B737-8AS	T'Way Air
HL8363	B737-8GQ	T'Way Air

Based Military (F-CK-1C)

1415/83-8028, 1420/83-8034, 1442/85-8063

Based Military (F-CK-1D)

1601/81-8005, 1602/81-8006, 1605/83-8015, 1607/83-8019, 1608/83-8021, 1609/83-8027, 1611/83-8035

NASC platform

NA-702/27280	UH-60M	NASC	70-4327
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NASC hangar

NA-106	AS365N3	NASC	6555
NA-110	AS365N3	NASC	6568
NA-705/27292	UH-60M	NASC	70-4567
NA-708/27291	UH-60M	NASC	70-4559

Taipei-Taoyuan			13 December 2019
PH-BQE	B777-206ER	KLM	

Based Airlines

B-18003	B777-309ER	China Airlines
B-18051, B-18055	B777-36NER	China Airlines
B-18311	A330-302	China Airlines
B-18912, B-18918	A350-941	China Airlines

Our last day started in the morning, were we waited what would happen on Ching Chuan Kang (CCK) to see if we had some luck again. Definately we had the luck on our side, and we enjoyed the flying of some Ching-Kuos in the morning. Also they do not fly in the afternoon on Saturday, so we relaxed in a Seven-Eleven with Coffee and some snacks. In the afternoon we had a visit to the NASC unit on the airfield. After a very nice presentation we were able to photograph the helicopters. Finally after a visit of two hours we drove back to Taipei for the flight back home.

After we arrived at Amsterdam-Schiphol, we did not spent much time for some extra spotting. We spotted from the air-plane we arrived in, two aircraft of China Southern. All the people of the group were pleased, and after some handshakes everyone went his own way back home.

Credit: Raymond van Dijkhuizen



The ministry of the Interior has six units in three brigades dispersed over Taiwan. They are known as the National Airborne Service Corps and are used for a variety of tasks including Search and Rescue and aerial fire fighting. Dauphin NA-110 is stationed at Taichung. (14 December 2019, Raymond van Dijkhuizen)

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Leading the Charge - Osan AB



Alistair Zammit, Braden Coleiro, Brendon Attard, Keith Pisani, Kyle Cortis, Shaun Psaila and Wayne Camilleri

A-10C 80-0167 carries the markings of the 7th Air Force. The aircraft belongs to the 25th FS. (Osan AB, 17 October 2019, Shaun Psaila)

Introduction

On 17 October 2019, we were invited for a brief visit at the air base to report on the daily flying activities and witness the various units that operate from Osan Air Base in South Korea. After a round of introductions and security clearance, we were escorted to the edge of an active taxiway, where we were given a brief history of the air base and a description of all the units on base.

History of the base and its units

Following the Cold War, the Soviet Union and the United States divided Korea into two sovereign states: the Republic of Korea (ROK) in the south and the Democratic People's Republic in the north. Both governments of the two new Korean states claimed to be the legitimate government of all of Korea, and neither accepted the border as permanent, consequently resulting in the Korean War in 1950.

During the war, there were 57 air bases, but three were not completed. Osan AB was the only base built entirely by US Aviation Engineers intended to conduct combat operations during the Korean War. Once the armistice treaty was signed in 1953, the United States Air Force (USAF) determined that Osan AB would serve as the hub of air operations on the Korean Peninsula given its location, the need to maintain a deterrent presence, and as an in-place installation should fighting erupt again. The base attained official permanent status in 1956.

Following the armistice agreement, a number of incidents occurred such as the North Korean attack on USS Pueblo and seizure of its crew along with a US Navy EC-131 being shot down in international airspace which started a period of tension with North Korea. Therefore, the presence of United States Pacific Air Forces (PACAF) at Osan is not to cause aggression but merely as a deterrence by the air power of the USAF to avoid such incidents from occurring again and to protect the people of South Korea.

The ROK Government has been one of the United States' strongest allies for over 70 years. Initially the USAF came here to defend the people of South Korea from North Korean aggression and over that time frame they have developed a relationship where they are one of their closest allies overall. You see this through the cooperation between the ROK Government and the US government. The US have a very good

working relationship and they try to maintain that in all aspects of their relationship.

The 7th Air Force (AF) is a numbered air force of the US PACAF and it is headquartered at Osan AFB. The command's mission is to plan and direct air component operations in the Republic of Korea and in the Northwest Pacific. The 7th AF has been an integral part of deterring aggression from North Korea. The major units of the 7th AF are the 51st FW at Osan AB and the 8th FW based at Kunsan Air Base.

The host unit at Osan Air Base is the 51st Fighter Wing, undertaking their motto 'Leading the Charge'. The mission and role of the 51st FW are to defend the base and the general public of South Korea, execute contingency operations, and sustain the force. The 51st FW with its fighter squadrons and myriad of base support agencies conduct a full spectrum of missions that provide for the defence of the Republic of Korea. Every member of Team Osan is vital in maintaining stability in Northeast Asia.

To accomplish their mission, the men and women of the 51st Fighter Wing work in one of four groups: the Operations Group, Mission Support Group, Maintenance Group and Medical Group. Over 20 squadrons comprise the four groups which include two fighter squadrons: the 25th Fighter Squadron who fly the A-10s, known as the "Assam Draggins" and the 36th Fighter Squadron flying the F-16s known as the "Flying Fiends".

Both the 36th FS 'Flying Fiends' F-16s and the 25th FS 'Assam Draggins' A-10Cs sport a mustang on their tails, a visual representation of the Pegasus found on 51st FW's Emblem. Apart from the mustang, the tail fins carry distinctive chequered markings. These trace back to the 1950s and the WWII era. Back then when one was flying with his squadron, one would want those marks to know who his wingmen were and for the 51st FW, it was the chequered tail pattern. The fighter wing kept them to keep close ties to their lineage.

Also with the 51st FW at Osan are the 33rd Rescue Squadron with their HH-60Gs which form part of the 18th Wing. The 33rd RQS is based at Kadena Air Base, Japan and they carry out search and rescue missions with both fixed wing aircraft and helicopters. Last but not least, is the 5th Reconnaissance Squadron nicknamed 'Black Cats' which forms part of the 9th Reconnaissance Wing based at Beale Air Force Base, Califor-

nia. The squadron operates the famous Lockheed U-2 aircraft conducting reconnaissance and surveillance missions.

Daily Flight Operations

After the brief introduction of the history of the base, we were able to witness a wave of A-10s departing for their morning missions, closely followed by a departure of F-16 Fighting Falcons, also flying their daily morning sorties. In between, we also witnessed some approaches by USAF F-16s from the Wolfpack squadron at Kunsan Air Base, another USAF base in Southern South Korea.

While witnessing flying operations, we also noted aircraft parked within maintenance hangars. A spokesperson from the maintenance department described how Osan is equipped with all the necessary equipment in order to be able to service all the aircraft types that operate from the base, in addition to other aircraft that regularly visit the base. They also mentioned that they have enough spare parts and engines in order to be combat ready, should the need arise to protect Osan and the people of South Korea from threats.

Following this brief interview we were also lucky to witness two U-2S Dragon Ladies taxi past us prior to take-off. This was a truly unbelievable experience, especially seeing the chase car interacting with the aircraft as it took off and collected the removable landing gear from the aircraft's wings. The presence of the U-2S at Osan also highlights the importance that Osan has for the USAF through the stationing of these majestic aircraft in such a strategic place within the Asian Region, close to Russia, North Korea and China.

While waiting for the A-10s to land after their morning missions, another spokesperson described that military personnel and airmen interact quite well with South Korean

civilians, who on their end have welcomed the USAF in their country with open arms. This was also evident in the number of merchandise shops and US-themed restaurants in the area surrounding the base, showing the growing positive relations between these two countries.

This brought to an end a truly inspiring visit to one of the largest USAF bases in the Asian region. We would like to thank all the military personnel who took great care of us and answered all questions that we had, providing details and data that portray the importance of Osan Air Base within the Asian- Pacific region.

The following aircraft were seen during the visit.

Based aircraft

25th FS A-10C 'OS'

78-0615, 78-0716, 79-0134, 79-0159, 79-0183, 80-0153, 80-0167, 81-0967, 81-0971, 81-0979, 82-0651

36th FS F-16CM/DM* 'OS'

88-0432, 88-0531, 88-0536, 88-0540, 88-0547, 89-2020, 89-2127, 89-2133, 90-0774, 90-0779*

69-0291 F-4E preserved

Visit/TDY

10-5716/DM, 10-5717/FT	HC-130J	79th RQS
88-0504/WP	F-16CM	nn / 8th FW
89-2171/WP	F-16DM	35th FS / 8th FW
90-0791/WP	F-16DM	nn / 8th FW
91-26406/ZZ	HH-60G	33rd RQS Det.1
80-1066/BB, 80-1086/BB	U-2S	5th RS
166375	C-37B	nn
166763	KC-130J	nn
84-00152, 84-00155	C-12U-3	52nd Avn
84-00164	C-12U-3	52nd Avn
94-26582	UH-60L	nn
06-27086	UH-60L	nn



All sorts of aircraft and helicopters frequently visit Osan AB as the photos above illustrate. The U-2S and UH-60L belong to the USAF respectively the US Army. (17 October 2019, Alistair Zammit (top), Braden Coleiro (bottom))



F-16CM 88-0540 from the Osan-based 36th FS 'Flying Fiends' during landing. (Osan AB, 17 October 2019, Kyle Cortis)



The United States Army has a large presence in South Korea. This C-12U-3 belongs to the 52nd Aviation Regiment at Seongnam AB. (Osan AB, 17 October 2019, Braden Coleiro)



The United States Air Force maintains three squadrons equipped with the F-16 in Sout Korea: one at Osan AB and two at Kunsan AB. The F-16DM above is from the latter base and belongs to the 35th Fighter Squadron. (Osan AB, 17 October 2019, Wayne Camilleri)

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Orion rules this month. Raymond van Dijkhuizen joined a tour through a few Asian countries as can be seen inside. Having seen three countries flying the P-3 in one trip deserves this special, starting with Taiwan, which only recently started operating this aircraft type. P-3C 3310 of 34sq (Pingtung South, 5 December 2019, Raymond van Dijkhuizen)



At Naha this P-3C 5070 of 5 Kokutai was noted (Naha, 10 December 2019, Raymond van Dijkhuizen)



At Kadena some USAF units are based, so it was a surprise to see this EP-3E 157325/325 of VQ-1 'World Watchers' arriving. (Kadena, 11 December 2019, Raymond van Dijkhuizen)



This Bulgarian government Airbus A319 LZ-AOB was built in 2007 and delivered to Air Berlin as D-ABGF. After two years it was transferred to Bulgaria and is now operated for the government by BH Air. (London-Stansted, 3 December 2019, Rob Skinkis)



The Turkish government Boeing 747-8 was a present from the Qatari royal family. The aircraft was built in 2012 and it took three years for Interior outfitting. It was registered as VQ-BSK and when it came to Turkey it was re-registered to TC-TRK. (London-Stansted, 3 December 2019, Rob Skinkis)



The last government aircraft on this page is the 2018 built Boeing 787 Dreamliner UK001. Uzbekistan Airways is operating it for their government. (San Bernardino (CA), 26 November 2018, Dan Stijovich)