

**485**  
October 2019

# Scramble



***Oshkosh 2019***  
***Centrum Leteckého Výcviku***

**DUTCH AVIATION SOCIETY**



*What more reasons does one need to pay a visit to the yearly F-air airshow at Rio Negro. Kfir COA FAC3058 from ESCOM 111 is showing its capabilities (Rio Negro, 11 July 2019, Raymond van Dijkhuizen)*



*During the F-Air also a lot Air Force Black Hawks were present, including this AH-60L Arpia IV FAC-4125 (Rio Negro, 11 July 2019, Raymond van Dijkhuizen)*



*During Independence Day this Colombian Policia UH-1H-II was noted at Carrera 60/Calle 42. The serial PNC-0742 of this UH-1 is stencilled just in front of the engine inlet (20 July 2019, Raymond van Dijkhuizen)*

## Editorial

Welcome to issue 485. Unlike the previous two issues today was a rainy day so time was spent putting this magazine together.

In addition to all the usual sections we have two articles. First we have a large overview of the 50th anniversary of the Air-Venture at Oshkosh Wittman airfield and the second article covers LOM Praha, a civilian company and fully owned by the Czech Republic's Ministry of Defence. The article highlights its flight training unit called Centrum Leteckého Výcviku. All in all this has resulted in 104 pure aviation reading pleasure. Warbirds is the only regular section missing this month.

Do not forget the Aviation Day 2019, which will take place on Saturday 30 November at Skydeck, Teuge airport. The Aviation Day 2019 will feature the Scramble Air Fete and the National Spotters Championships (NSK). More information about this event can be found in the advertisement in this number.

We would like to encourage you to send us your Trip- and Showreports, preferably accompanied with some pictures and a nice story to go along with it. We can use this not only for our magazine, but also to update our databases and our Airfield Guides, which are available on our website.

## Cover Photo



Last month we requested in the editorial to receive more civil front cover photos and this month we can publish such a photo sent to us by Rene Verschuur. The picture was taken on 24 August 2019 at Paris-Orly and shows a couple of airliners which can regularly be seen at this airport. Such a photo could also be needed for our new SWAF - Scramble World Airline Fleets 2020 publication and therefore we would like to extend our request. The winner of the front cover photo of the SWAF 2020 will receive a free copy.

## Important dates

Scramble 486	
Deadline copy:	15 October 2019
Deadline photos:	22 October 2019
Planned publication date:	5 November 2019

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<b>Scramble World Airline Fleets 2019</b>	<b>243</b> pages
<b>SMS Europe 2019</b>	<b>139</b> pages
<b>SMS North America 2019-2020</b>	<b>183</b> pages
<b>Scramble Military Transports 2017</b>	<b>87</b> pages

# Movements Netherlands



The first RAF EMB500 arrived at Cranwell in July 2017. Student training began in 2018. Phenom 100 ZM335 is active with 45 Squadron, operating under the command of No. 3 Flying Training School, and based at Cranwell. (Amsterdam- Schiphol, 10 August 2019, Manolito Jaarsma)

## Amsterdam - Schiphol

August 2019			
01. 9H-BBJ	B737-7BC	Privajet	dep PVJ261
D-CROG	EMB505	Air Hamburg	f/v AHO264V/295F
D-IGWT	Ce525A	Sylt Air	dep AWU701G
EC-NDB	A320-271N	Vueling	f/v VLG8366/7
G-HCSA	Ce525A	Bookajet	BOO808
G-JZHG	B737-85P	Jet 2	02 EXS031E/032E
G-NPTY	B737-436SF	West Atlantic	BCS1442/4
HB-JFE	Global 6000	Air King Jet	f/v 03
I-ARFX	ERJ135BJ	Sirio	f/v 02 SIO411
LX-LAA	Lj45	Luxemb. Air Ambulance	LRQ442
LZ-LVK	B737-3H4	ALK Airlines/Air Luba	LZB461/2
M-IFFY	Ce510	Xead Aviation	02
N771HM	Falcon 2000LX	HMHC	dep
OE-FOE	Ce510	GlobeAir	GAC412N/301N
OE-HMR	Falcon 2000LX	MHS Aviation	dep MHV20X
OE-IGG	Global XRS	Glock Aviation	02 GCK17
OO-JAH	B737-8K5	TUI Belgium	TFL236/073P/072P/689
OO-JDL	B787-8	TUI Belgium	TFL093/617
OO-SRO	B737-86N	TUI Belgium	TFL34H/911
OO-WEG	CL-350	Luxaviation Belgium	AAB765
OO-XLS	Ce560XLS+	Air Service Liège	dep
02. 4X-ECE	B777-258ER	EI AI	ELY337/8
D-AGBF	Falcon 7X	Volkswagen	19 WGT6F
D-CQAA	Lj45	Quick Air	QAJ2013
D-CTWO	Lj35A	Air Alliance Express	AYY108
G-FXDT	Beech 400A	FlairJet	f/v FLJ51/2
I-WALK	Ce680+	Compagnie Generale Ripreseearee	f/v
LZ-ADV	MD-82	ALK Airlines/Air Luba	LZB461/2
M-SPEK	Beech 350	Specsavers Aviation	SS29A/B
N474KA	Lj35A	SPEC	f/v
OE-GPS	Ce550	Tyrol Air Ambul.	TYW846S/847S
OO-JDL	B787-8	TUI Belgium	TFL618/094P
OO-SRO	B737-86N	TUI Belgium	TFL912/092P
SP-SPE	ATR72-202	Sprint Air	SRN285/6
03. A6-EPE	B777-31HER	Emirates	f/v UAE145/6
B-16723	B777-36NER	Eva Air	f/v EVA075/6
D-ACJJ	ERJ190LR	WDL Aviation	f/v EZY8879/82
D-BAHB	Falcon 2000LX	MHS Aviation	04 MHV29Y/20Y
D-IBJJ	Ce525A	Air Hamburg	AHO114A
D-IEMO	Raytheon 390	Projet	15
D-IGWT	Ce525A	Sylt Air	05 AWU703G/705G
HB-FVC	PC-12/47E	Lakeside Aviation	11
OE-FZE	Ce510	GlobeAir	GAC581D/756T
OE-IGL	Global 6000	Glock Aviation	GCK18
OK-CHD	PA-46-600TP	Classic Air	NTF878
OO-XLS	Ce560XLS+	Air Service Liège	04
TC-NCD	A320-251N	Pegasus Airlines	f/v 04 PGT1255/6
YL-LDC	A321-211	Smartlynx (n/t)	f/v TRA072/6861
04. 9H-VCK	CL-350	VistaJet Malta	05 VJT405
D-AMGL	BAe146-200A	WDL Aviation	BEE1377/8
D-ARMY	ERJ135BJ	Air Hamburg	AHO470C
D-IAAR	EMB500	Arcus Air	05 AZE31Z/39TQ
F-HEPC	A320-214	Joon	AFR1340/1
N510MD	Ce510	Michel Delauzun	dep
OE-FBD	Ce510	GlobeAir	05 GAC301P/218F
OE-IEN	Falcon 2000EX	Global Jet Austria	05 GLJ93EN
OE-IIS	G-V	Luxaviation Germany	LXG99S
OO-PCK	PC-12/47E	European Aircraft Flying Club	f/v
OO-XLS	Ce560XLS+	Air Service Liège	09
YL-LDC	A321-211	Smartlynx (n/t)	TRA6862/071
05. 4X-ECA	B777-258ER	EI AI	ELY337/8
D-CSOS	Lj45	Jetcall	JCL1
D-IPVD	Ce525A	Transavia Flug	06
EC-MFS	B737-4Y0	Alba Star	06 LAV976P/TRA5471
EW-526PA	B737-86N	Belavia	f/v BRU867/8
G-JOTS	BAe146-RJ100	JOTA Aviation	ENZ646P/646
LX-FFL	Falcon 900B	Global Jet Luxemb.	f/v SVW23FL
LX-LAR	Lj35A	Luxemb. Air Ambulance	LRQ450/6
LY-JAY	A319-112	GetJet (a/w)	LOT265/6
OE-IEN	Falcon 2000EX	Global Jet Austria	06 GLJ93EN
OO-DOB	Falcon 900LX	Flying Group	FGY82B
PH-EBR	Falcon 900	Exxaero	dep XRO470
SE-RNR	CL-350	EFS	EUW4109
SE-ROR	A320-251N	Scandinavian	f/v SAS1555/6
TC-OED	A321-253N	Onur Air	f/v OHY851/2
06. B-16728	B777-36NER	EVA Air	f/v EVA075/6
D-IGWT	Ce525A	Sylt Air	07 AWU706G/707G
EC-MFS	B737-4Y0	Alba Star	TRA5472/6149/50/5563
EC-MFS	B737-4Y0	Alba Star	07 TRA5564/071
G-FXDT	Beech 400A	FlairJet	07 FLJ54/8
G-XCSP	BAe125-800XPi	Xclusive Jets	f/v XJC833P/833
M-INER	Global 6000	ICC Aviation	
N910RW	TBM-910	Redwood	07
N979JW	Falcon 7X	SC Johnson & Son	f/v 08
OE-FOE	Ce510	GlobeAir	GAC634L/301Q
OE-GPS	Ce550	Tyrol Air Ambul.	TYW846S/847S
PH-EBR	Falcon 900	Exxaero	07 XRO470/1
TC-ADO	BAe125-800XPi	ADO Air	
TC-NCC	A320-251N	Pegasus Airlines	f/v PGT265/6
07. 4X-ECC	B777-258ER	EI AI	ELY337/8
9H-JLK	Falcon 7X	TAG Aviation Malta	09 TEU11
9H-NEB	A320-251N	Air Malta	f/v AMC394/5
9H-VCJ	CL-350	VistaJet Malta	08 VJT492
CS-PHN	EMB505	NetJets Europe	f/v NJE154D/044W
D-BOOC	Ce750	Air X Executive Jets	AXG727/8
D-CGGG	Lj31A	Jetcall	JCL3
D-ISAR	Raytheon 390	Euroflug Frenzel	
ES-SAS	A320-214	Smartlynx (a/w)	EJU2723/4
G-JOTS	BAe146-RJ100	JOTA Aviation	ENZ647P

LX-VMF	Ce560XL	Luxaviation	dep LXA15P	D-AZUR	ERJ135BJ	Air Hamburg	AHO875U/007M
OE-FFB	Ce510	GlobeAir	09 GAC529Y/Z	D-BFIL	EMB545	Atlas Air Service	12 ATL8F
OE-ICA	Global 5000	Avcon Jet	dep AOJ99A	D-CAWK	Ce680	Aerowest	12
XA-ASI	G-IV	Antair		D-CGGG	Lj31A	Jetcall	JCL3
YR-FKB	Fokker 100	Carpatair	KRP4029/3064	EJ-SAID	Global 5000	Gain Jet Ireland	GJI68X
08.9H-PGS	A340-642X	Maleth-Aero (a/w)	TFL095P/187	G-CKWP	B787-9	Norwegian	f/v NAX7700/1
9V-SMV	A350-941	Singapore Airlines	f/v SIA324/3	G-SMSM	Falcon 2000LX	London Exec. Aviation	LNx55SM
D-ASSY	Falcon 7X	Adolf Würth	f/v	LX-VMF	Ce560XL	Luxaviation	12 LXA15P
HB-IGV	Falcon 50EX	VF International	19	N115MH	Global 6000	ACP Jet Charters	f/v 13 RKS69
M-OBIL	Ce525C	Ulla Popken Fashion		N515TJ	Beech 400A	Blackburn Int'l	27
N718MM	Falcon 900EX	Exec. Jet Man'mnt	f/v 09 EJM718	OO-JWB	PC-12/47E	Nextgen Partners	
P4-BDL	B787-8	Global Jet Luxembourg (a/w)	dep	VP-BTC	A320-214	Aeroflot	f/v AFL2694/5
VQ-BGA	G450	ExecuJet Middle East	12 IJM092	12.4X-ECA	B777-258ER	EI AI	ELY337/8
XA-ASI	G-IV	Antair		9H-VJQ	Global 6000	VistaJet Malta	VJT801
09.4X-EDE	B787-9	EI AI	ELY337/8	D-BEEP	Ce750	Air X Executive	14 AXG1215/1312
9H-PGS	A340-642X	Maleth-Aero (a/w)	TFL186/7	D-CGRC	Lj35A	Jet Executive	13 JEI313/323
9H-VJG	Global 6000	VistaJet Malta	10 VJT796	D-CSCE	EMB505	Luxaviation Germany	13 LXG55CE
CS-TVF	A320-251N	TAP Air Portugal	f/v TAP672/1	ER-ECD	ERJ190LR	Air Moldova	f/v AZI121P/120
D-AERO	ERJ135BJ	Air Hamburg	AHO592B/570C	F-HVBL	Falcon 7X	Fleet Management Services	13
D-BEEP	Ce750	Air X Executive	10 AXG927/1026	LX-LOE	Hawker 4000	Flying Group Luxembourg	13
D-IAAB	EMB500	Arcus Air	AZE19AW/11AW	M-OBIL	Ce525C	Ulla Popken Fashion	
EC-NFI	A320-271N	Vueling	f/v VLG8306/5	N616CM	TBM-850	Kilo Aviation	13
G-CKWS	B787-9	Norwegian	f/v NAX7700/1	N877H	CL-604	Jet-A	18
G-RANE	CL-605	Saxonair	SXN65C	OE-HRS	CL-350	Avcon Jet	14 AOJ78R
LX-PPF	Ce525B	Flying Group Lux.	FYL12F	OK-BII	Beech 400A	JetBee Czech	JBC262A/B
LZ-ADV	MD-82	ALK Airlines / Air Luba	LZB461/2	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
M-SPEC	Beech 350	Specsavers Aviation	SSZ9A/B	VP-CZL	Global 6000	TAG Aviation Asia	13 TBJ67
N173NY	G550	Clay Lacy Aviation	10	XA-ADH	B787-9	AeroMéxico	div AMX003
N757AN	B777-223ER	American Airlines	f/v AAL220/1	13.ZE707	BAe146 C3	32(TR)sq	RRR1912
N907WT	Ce560XL	OTS Aircraft Holdings	f/v 11	9H-JLK	Falcon 7X	TAG Aviation Malta	15 TEU11
OE-GBD	IAI1125SPX	Tyrol Air Ambulance	10 TYW432/1	B-16732	B777-36NER	EVA Air	f/v EVA075/6
OO-DOB	Falcon 900LX	Flying Service	FYG62B/63B	D-AJOY	CL-850	Air X Executive Jets	14 AXG1306/11
OO-GEE	PC-12/47E	Blue Sky Aviation		D-CHLR	EMB505	Atlas Air Service	14 ATL9K
OY-RUT	MD-82	Danish Air Tr.	TFL092P/619/20/093P	D-IAAR	EMB500	Arcus Air	14 AZE31UZ/29QZ
YR-FKB	Fokker 100	Carpatair	KRP3065/4065	LX-VMF	Ce560XL	Luxaviation	14 LXA15P
10.ZM333	Phenom 100	45sq	f/v 12 RRR7270	LZ-ADV	MD-82	ALK Airlines/Air Luba	LZB461/2
ZM335	Phenom 100	45sq	f/v 12 RRR7271	M-INER	Global 6000	ICC Aviation	
D-ACJJ	ERJ190LR	WDL Aviation	EZY8879/82	OH-LTN	A330-302	Finnair	FIN1305/6
D-CHDJ	Ce560XLS	Excellent Air	11 ECA62D	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
D-CRON	Ce560XLS	Silver Cloud Air	SCR762	14.4X-ECA	B777-258ER	EI AI	ELY337/8
D-IGWT	Ce525A	Sylt Air	11 AWU710G/711G	9H-VCD	CL-350	VistaJet Malta	VJT467
G-JAGA	EMB505	London Exec Aviation	LNx62JG	CS-TFO	Lj40	Omni	OAV303
G-SUGR	ERJ135BJ	Air Charter Scotland	EDC793	D-ACJJ	ERJ190LR	WDL Aviation	EZY8869/70
LN-STB	CL-350	Sundt Air	MDT5	D-AXTM	Global Express	Global rent-a-jet	17 IFA647
N29DE	Cirrus SF50	Deny Airlines	dep	D-CAPO	Lj35A	Jet Executive	JEI434
N35GR	G550	Clay Lacy Aviation	f/v 11	D-CSCE	EMB505	Luxaviation Germany	LXG55CE
OE-HRS	CL-350	Avcon Jet	12 AOJ78R	D-CSOS	Lj45	Jetcall	JCL1
OE-IKT	ERJ135BJ	IJM	11 IJM038	D-IGWT	Ce525A	Sylt Air	15 AWU714G/715G
OO-CEJ	Ce525	Air Service Liège		ER-ECD	ERJ190LR	Air Moldova	AZI120P/121
OY-JJK	Hawker 4000	Sun-Air	11 SUS597	M-IFFY	Ce510	Xead Aviation	
YU-SPC	Ce560XLS+	Prince Aviation	PNC7PC	OE-IEN	Falcon 2000EX	Global Jet Austria	GLJ93EN
11.9H-VJP	Global 6000	VistaJet Malta	12 VJT895	OE-FIT	Ce510	GlobeAir	GAC907L/896L
D-AMGL	BAe146-200A	WDL Aviation	12 BEE1377/8980	OO-XLS	Ce560XLS+	Air Service Liège	15



This Learjet 35A first appeared in our database in April 1978 as TR-LYC. Kolob Canyons Air Services registered the bizjet N474KA in February 2015. Ownership changed to a company called Ice9 Lear35 LLC in June 2017 but the aircraft is being operated by a company called SPEC. SPEC was incorporated in 1979 and was originally a consulting company owned by Dr. Paul Lawson. NASA is one of the customers the company is working with. (Amsterdam- Schiphol, 2 August 2019, Pino Tome)



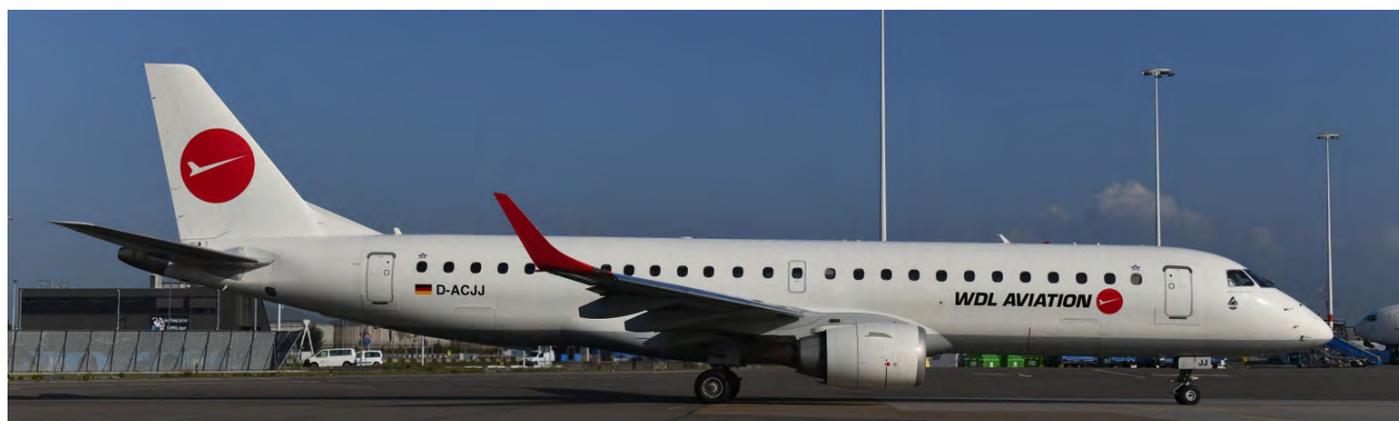
After spending eight years in India this Boeing 737 entered European airspace when it was leased to Sterling European. Via Moskovia Airlines it ended up in Canada with Enerjet in June 2014. Since May 2016 the aircraft has been in service with Jet Time as OY-JTR. (Amsterdam- Schiphol, 25 August 2019, Maurits Niemeijer)

OY-VIK	Falcon 7X	Air Alsie	MMD6338	N383LS	G-V	Las Vegas Sands	f/v 20
OY-VIK	Falcon 7X	Air Alsie	15 MMD633A/6338	OK-PPP	Beech 400A	Time Air	TIE474P
15.9H-JOY	CRJ200ER	Air X Charter	AXY1508/1523	OK-SLX	Ce560XL	Silesia Air	SUA681/2
D-BAHB	Falcon 2000LX	MHS Aviation	MHV20Y	OO-MMT	Ce560XLS	Air Service Liège	20
G-SHUI	Ce680A	Air Charter Scotland	EDC345R	VP-BMY	BAe125-1000	Sirius Aero	
LX-FPF	Ce525B	Flying Group Lux.	16 FYL61F/71F	19.4X-ECA	B777-258ER	EI AI	ELY337/8
LX-RSQ	Lj45	Luxembourg Air Ambul.	LRQ488	9H-AHA	B737-505	Air X Charter	AXY1917/8
OE-FPP	Ce510	GlobeAir	GAC342B/231C	CS-DIY	Ce525B	Air Jet Sul	AJU521
OE-HDC	CL-300	Laudamotion Executive	f/v LDX18	D-CFIV	Lj35A	Air Alliance Express	AYY118
OM-KEX	B737-8BK	Sun d'Or	ELY5425/6	D-CSOS	Lj45	Jetcall	JCL1
OO-MMT	Ce560XLS	Air Service Liège	dep	G-CKWU	B787-9	Norwegian	f/v NAX7700/1
OO-MMT	Ce560XLS	Air Service Liège	16	G-HCSA	Ce525A	Bookajet	23 BOO806/7
OO-XLS	Ce560XLS+	Air Service Liège	21	LX-FFL	Falcon 900B	Global Jet Luxemb.	20 SVW23FL
PH-EBR	Falcon 900	Exxaero	29 XRO471/243	LX-LOE	Hawker 4000	Flying Group Luxembourg	
VQ-BTW	A320-214	Aeroflot	f/v AFL2694/5	M-OBIL	Ce525C	Ulla Popken Fashion	20
16.4X-ECE	B777-258ER	EI AI	ELY337/8	N737AG	B737-7BF	FunAir	20
9H-VFF	CL-605	VistaJet Malta	17 VJT551	SP-ATT	Beech 400A	Smart Aero Solutions	SAH48P
D-HCCC	R44	HelijET	f/v	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
EJ-SAID	Global 5000	GainJet Ireland	GJ168X	VQ-BGA	G450	ExecuJet Middle East	IJM092
G-OCAK	Global XRS	Gama Aviation	18 GMA237	20.D-666	CH-47D	298sq	*Grizzly55
LX-LOE	Hawker 4000	Flying Group Luxembourg		9H-JLK	Falcon 7X	TAG Aviation Malta	23 TEU11
LY-NVQ	A321-231	Onur Air	OHY851/2	D-CARO	Ce680	Aerowest	
LZ-LVK	B737-3H4	ALK Airlines/Air Luba	LZB461/2	D-CEHM	Ce560XLS+	Silver Cloud Air	21 SCR021
N62FF	G-V	STAjets	f/v 21 KFB62	EC-NBM	B787-9	Air Europa	f/v AEA1091/8
N999PN	Falcon 7X	Planet Nine Private Air	f/v	G-JSSE	Falcon 900B	Xclusive Jets	21 XJC844/861P
OE-FGI	Ce525	Pink Sparrow	SOW2	G-RSXP	Ce560XLS+	Catreus	VCG2XP/3XP
OK-EAS	Beech 400A	Time Air	TIE561Y	OO-MMT	Ce560XLS	Air Service Liège	25
OY-GFS	Falcon 2000LX	Air Alsie	MMD4687	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
OY-JJG	Do328-310	JoinJet	20 SUS593A/593	21.4X-ECD	B777-258ER	EI AI	ELY337/8
VP-BCA	A320-214	Aeroflot	f/v AFL2694/5	9H-AHA	B737-505	Air X Charter	22 AXY2112/09
17.B-16720	B777-36NER	EVA Air	f/v EVA075/6	D-ACJJ	ERJ190LR	WDL Aviation	EZY8869/70
D-BEKP	CL-300	Windrose Air	QGA599G/600G	D-ASEF	A320-214	Sundair	TRA072/5097
D-CRON	Ce560XLS	Silver Cloud Air	SCR762	D-BEAR	Ce750	Air X Executive	AXG2113/2104
D-IAAY	EMB500	Arcus Air	AZE71EN/72EN	D-BOOK	Falcon 2000LX	Bertelsmann	BFH65H/T 2x
D-IEFD	Ce525	Eisele Flugdienst	EFD2F	D-CGBR	Lj55	Jet Executive	JEI131
EC-NFH	A320-271N	Vueling	f/v VLG8322/3	F-HIBF	Ce510	Aston Jet	ASJ272
G-CKWD	B787-9	Norwegian	f/v NAX7700/1	G-LEGC	ERJ135BJ	London Exec. Avn	LNK17GC/27GC
G-YFOX	Falcon 2000EX	Luxaviation UK	18 LNX78YF	M-IFFY	Ce510	Xead Aviation	22
M-AERO	Falcon 2000LX	Rirox	f/v 18	OE-FBD	Ce525	GlobeAir	GAC486Y/410K
N275DJ	G-IV	Runtime Investments	18	OO-CEJ	A319-111	Air Service Liège	22 2x
N333EC	G-IVSP	Flying Falcon	f/v 19	VP-CMJ	G450	Aviation Link	f/v 23
N883A	G550	Funair	f/v 21	VQ-BGA	A320-214	ExecuJet Middle East	22 IJM092
OE-IEN	Falcon 2000EX	Global Jet Austria	21 GLJ93EN	22.D-AIWH	A320-214	Lufthansa	f/v DLH988/9
OY-VIZ	Global 5000	ExecuJet Scandinavia	VMP944	D-ASEF	A320-214	Sundair	TRA5098/071
TC-NCG	A320-251N	Pegasus Airlines	f/v PGT5665/6	D-AUKE	CL-604	Jetcall	JCL5
TC-NCH	A320-251N	Pegasus Airlines	f/v PGT1251/2	D-CJMK	Ce560XLS+	Air Hamburg	f/v AHO481V/654S
TC-SPL	CL-300	Tarkim		D-CURT	Lj31A	Air Alliance Express	AYY102
18.D-AMGL	BAe146-200A	WDL Aviation	BEE1377/8	D-ISAR	Raytheon 390	Euroflug Frenzel	
D-CSCB	Ce560XLS+	Silver Cloud Air	SCR187	D-ITRA	Ce525	Transavia Flug	
F-GPGK	Falcon 900	Luxaviation France	LEA455K	G-FXER	Beech 400XT	FlairJet	23 FLJ51/61

LY-VEL	A320-232	SunExpress	f/v SXS540/1	D-CCCA	Lj35A	Jet Executive	JEI212
OE-GJP	Ce525B	Smartline	23	D-CGRC	Lj35A	Jet Executive	JEI313
OO-JUK	Falcon 7X	Flying Service	23 FYG25K/72K	D-IAAT	EMB500	Arcus Air	AZE39QA/31QA
OO-XLS	Ce560XLS+	Air Service Liège	23	EC-MLV	Ce680	Gestair	GES541V
PP-WSR	G650	Aero Rio Taxi Aereo	f/v 23	G-FXRS	Beech 400A	FlairJet	27 FLJ51/4
SP-AST	Ce525	AMC Aviation	arr AMQ9T	G-LXWD	Ce560XLS	Catreus	VCG1WD/2WD
SP-TAT	Beech 400A	Smart Jet	24 SAH26P	LX-VMF	Ce560XL	Luxaviation	29 LXA15P
TC-ADO	BAe125-800XPi	ADO Air	25	LY-JAY	A319-112	GetJet (a/w)	LOT267/8
23.4X-ECC	B777-258ER	EI AI	ELY337/8	N628BD	G-V	Hewlett Packard	27
D-CAGA	EMB505	Luxaviation Germany	24 LXG55GA	OH-WII	CL-604	Jetflite	JEF33
D-CQAB	Lj45	Quick Air	QAJ747	OY-JTR	B737-73A	Jet Time	TRA5818/6887/8/071
D-CYES	Lj35A	Air Alliance Express	f/v AYY107	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
D-IUVH	Ce510	Haacke LTIF		27.9H-VCO	CL-350	VistaJet Malta	28 VJT449
F-HIBF	Ce510	Aston Jet	ASJ272	9H-VJI	Global 6000	VistaJet Malta	VJT813
N652BA	G650ER	Bank of America	f/v 25	D-CARO	Ce680	Aerowest	
OE-FHA	Ce510	GlobeAir	GAC608W/486Z	F-HSHB	Ce510	Flybox	
OE-FKF	Ce525A	Fly Tyrol	FTY9	G-EZUP	A320-214	easyJet	div EZY3252
OE-FUX	Ce525A	Bairline	24	G-STMT	Falcon 7X	TAG Aviation (UK)	
OO-FPE	Ce525B	Flying Group	FYG11R/12R	LY-JAY	A319-112	GetJet (a/w)	LOT265/6
OO-XLS	Ce560XLS+	Air Service Liège	arr	M-OBJ	Ce525C	Ulla Popken Fashion	
PH-HHJ	AS355F2	Heli Holland Holding		OE-FHA	Ce510	GlobeAir	GAC147Z/623Z
UP-EM008	ERJ135BJ	Comlux KZ	f/v 29	SX-MAH	B737-405	Air Mediterranean	IBK3540/1
24.2-JSEG	Eclipse 500	Classic LP	f/v 25	T7-BCH	CL-605	Sky Lounge Services	f/v TSM605
9H-VGB	CL-350	VistaJet Malta	25 VJT453	28.4X-ECC	B777-258ER	EI AI	ELY337/8
D-CNOC	Ce560XLS	Atlas Air Service	25 ECA91D/9C	9H-JLK	Falcon 7X	TAG Aviation Malta	30 TEU11
I-FEDN	Falcon 2000LX	Sirio	27 SIO615	A6-EVB	A380-842	Emirates	f/v UAE147/8
LX-KCL	B747-4HAERF	Cargolux	f/v CLX7615	D-ALIL	Falcon 7X	Aero-Dienst	29 ADN31T
N805TM	G650ER	Toyota Motor Sales USA	dep	D-ANSK	CRJ100LR	Global Reach Avn	f/v PAV262
OE-FMT	EMB500	Jet 24	26	D-CAMB	Lj31A	Jetcall	JCL4
OE-IFD	B747-4B5ERF	ASL Airlines	26 TAY915E	D-CMMP	EMB505	Luxaviation Germany	29 LXG55MP
PH-BBJ	Ce560XLS+	Air Service Liège		D-IGRO	Ce525A	ProAir	
25.2-RBTS	Ce525B	Ortac		D-ISTP	EMB500	ProAir	29
9H-JLK	Falcon 7X	TAG Aviation Malta	27 TEU11	ES-SAU	A320-214	Smartlynx (a/w)	f/v EJU2723/4
9H-VFH	CL-605	VistaJet Malta	26 VJT534	I-NDOF	B767-306ER	Arkia	AIZ511/2
D-AMGL	BAe146-200A	WDL Aviation	BEE1377/8	LY-BGS	B737-3L9	KlasJet (n/t)	f/v KLJ8002/JAF581
D-AHGN	Global 6000	Windorse Air	f/v QGA606M/630M	LX-JAG	ERJ135BJ	Global Jet Lux.	29 SVW29AG
D-ASIM	Falcon 7X	Air Hamburg	26 AHO9293/9857	M-EVAN	CL-300	Marcus Evans	31
D-CNOC	Ce560XLS	Atlas Air Service	ECA91D	M-INNS	G650	Jet Aviation	f/v 29 2X
D-IEFD	Ce525	Eisele Flugdienst	EFD2F	N29DE	Cirrus SF50	Deny Airlines	arr
D-IGRO	Ce525A	ProAir		OE-FRM	Ce510	GlobeAir	GAC369X/147B
D-ISJP	Ce525A	Excellent Air	26 ECA1C	OE-GCG	Ce560XL	Goldeck Flug	29 GDK28CG/29CG
G-HCSA	Ce525A	Bookajet	27 BOO807	OE-GLS	Ce650	Tyrolean Jet Service	TJS56
G-MRLX	G550	Saxonair	SXN55L	OO-MMT	Ce560XLS	Air Service Liège	
HZ-XY7	A320-214X	Aviation Link		SE-RMB	Ce525B	Svenskt Industriflyg	arr JET5
LX-VMF	Ce560XL	Luxaviation	26 LXA15P	SP-SPE	ATR72-202	Sprint Air	29 SRN252/3
LX-WJA	HA-420	Wijet	f/v FYL32JA/22JA	YU-SPB	Ce560XLS	Prince Aviation	
M-IFFY	Ce510	Xead Aviation		29.2-DARE	PC-12/47E	Breitling Services	f/v arr
M-INER	Global 6000	ICC Aviation		D-CBBB	Ce560XLS+	DC Aviation	DCS703
M-NTOS	Ce525C	Selementos	28	D-CDAS	EMB505	DAS Private Jets	30
N29DE	Cirrus SF50	Deny Airlines	27	M-ARTY	PC-12/47E	Creston (UK)	
N169SD	G550	MRS Group		N500RW	TBM-850	Redwood	
OY-JTR	B737-73A	Jet Time	TRA072/5817	OY-NDP	Ce525A	Greybird Aviation	GAG868B
26.4X-EDI	B787-9	EI AI	f/v ELY337/8	30.ZE707	BAe146 C3	32(TR)sq	RRR1928
9H-VCO	CL-350	VistaJet Malta	27 VJT449	4X-ECD	B777-258ER	EI AI	ELY337/8
A7-BFQ	B777-FDZ	Qatar Cargo	f/v QTR8201/2	C-FJJC	CL-601-3A	Aviation Fox	31
D-BEAM	CL-300	Jet Pool	27	D-AGBE	Falcon 7X	Volkswagen	31 WGT5E



Previously with KLM this Boeing 767 was acquired by NEOS in April 2006. It was registered as EI-DOF but this was changed to I-NDOF in December 2010. Since January 2019 the aircraft has been leased to Arkia, replacing Boeing 767 I-NDDL (which was acquired by Atlas Air as N663GT). (Amsterdam- Schiphol, 28 August 2019, Robert Eikelenboom)



D-ACJJ "Klara" is one of four Embraer 190 aircraft replacing the BAe146 in the WDL Aviation fleet. From 1 till 25 August the aircraft operated for easyJet. (Amsterdam- Schiphol, 21 August 2019, Ton Jochems)

D-CAWB	Ce680	Aerowest	31	HB-JWB	CL-650	Swiss Air Ambulance	SAZ61/2
D-ISTP	EMB500	ProAir		LY-NVX	A320-232	SunExpress	SXS5340/1
G-OCAK	Global XRS	Gama Aviation	arr GMA301	N610CX	Falcon 900B	Cathexis Holdings	12
G-UZLH	A320-251N	EasyJet	f/v EZY7001/2	OM-GTH	B737-8BK	Corendon Airlines	CAI049/50
G-WUKF	A320-232	Wizz Air UK	f/v WUK507/7791	OO-ACC	Ce525A	Air Service Liège	2x
HL8274	B777-3B5ER	Korean Air	f/v KAL925/6	PH-FIS	Ce525	JetNetherlands	dep
I-GURU	Lj40	Avionord	VND4155/6	PH-FIS	Ce525	JetNetherlands	12
LX-PCA	PC-24	Jetfly Aviation	JFA039A/07A	PH-RIS	EC130B4	KNSF Flight Services	
N719AN	B777-323ER	American Airlines	f/v AAL220/1	06.4L-TGU	ERJ190AR	Georgian Airways	09 TGZ2771/2
N805TM	G650ER	Toyota Motor Sales USA	arr	CS-PHA	EMB505	NetJets Europe	NJE436R/851K
OE-FZB	Ce510	GlobeAir	31 GAC218G/512Q	OO-PRM	Ce510	Air Service Liège	
OK-BII	Beech 400A	JetBee Czech	31 JBC272A/B	OO-PRM	Ce510	Air Service Liège	09
OO-JUK	Falcon 7X	Flying Group	FYG65K/56K	OY-INV	CL-604	Flex Flight	08 FXT606/7
PH-EBR	Falcon 900	Exxaero	arr XRO243	PH-FJK	Ce525B	JetNetherlands	
PH-HHJ	AS355F2	Heli Holland Holding		T7-MVA	G450	Global Aircraft Consulting	
31.2-ZEUF	Beech C90A	Zeusch Aviation	arr	07.D-CSOS	Lj45	Jetcall	JCL1
D-ANSK	CRJ100LR	Global Reach Avn	PAV262/303	D-IBWA	Ce525	Schuite & Schuite Druckfarben	16
D-CHLR	EMB505	Atlas Air Service	arr ATL9K	OO-ACO	Ce510	Air Service Liège	
D-ITRA	Ce525	Transavia Flug		PH-TCN	P180	JetNetherlands	08
N508CK	G500	Talon Air	f/v arr	PH-UBD	DA62	SIM International	15
N753AN	B777-223ER	American Airlines	01 AAL220/9246	08.B-95959	Global XRS	Ruentex Group	
OE-GBE	IAI1125SPX	Tyrol Air Ambulance	arr TYW315	CS-DQA	Ce560XLS	NetJets Europe	09 NJE6JH/9LH
TC-FHM	A320-232	Freebird Airlines	f/v FHY725/6	CS-LAU	Ce680A	NetJets Europe	09 NJE957M/127L
				D-ILGA	PA-31T		
				M-GMKM	Falcon 7X	GMK Consulting	11
				PH-PKF	Falcon 2000LXS	JetNetherlands	19
				09.CS-CHG	CL-350	NetJets Europe	10 NJE067M/885A
				CS-DXP	Ce560XLS	NetJets Europe	10 NJE8YR/373F
				CS-DXQ	Ce560XLS	NetJets Europe	14 NJE521T/605R
				D-AILP	A319-114	Lufthansa	div DLH2308/9949
				D-GEWF	DA42	We-Fly	12
				D-GVCC	DA42	CAE Brussels	2x
				OK-MPM	PA-42-720	Air Bohemia	BOH622/3
				PH-TCN	P180	JetNetherlands	12
				10.CS-DPA	BAe125-900XP	Madjet	MJT1N
				LX-EAA	Lj45	Luxembourg Air Ambulance	LRQ472
				N2E	G650ER	Snap	
				OH-TRG	PC-12/47E	Hendell Aviation	
				OO-ACO	Ce510	Air Service Liège	11
				11.D-AJET	ERJ650	Air Hamburg	12 AHO750B
				G-ISLN	ATR72-212A	Blue Islands	f/v BC1862/3
				OO-ACO	Ce510	Air Service Liège	15
				PH-LAU	Falcon 900EX	Exxaero	XRO486
				PH-VBG	Falcon 2000EX	JetNetherlands	22
				VQ-BBS	BAe125-750	Sirius-Aero	CIG1821/2
				12.ZE707	BAe146 CC2	32(TR)sq	RRR1912
				CS-DUB	BAe125-750	NetJets Europe	13 NJE44L
				CS-DXO	Ce560XLS	NetJets Europe	NJE647H/990U
				CS-LTC	Ce680A	NetJets Europe	NJE4XQ/960C
				CS-LTG	Ce680A	NetJets Europe	13 NJE277T/925D
				D-CGGG	Lj31A	Jetcall	JCL3
				D-CHRA	Ce525C	E-Aviation	EFD4A
				LY-NVW	A320-232	SunExpress	SXS5340/1
				OE-FRM	Ce510	GlobeAir	13 GAC185C/074D
				OM-GTH	B737-8BK	Corendon Airlines	CAI049/50
				OO-VMF	Ce560XLS+	Air Service Liège	
				PH-CTH	Falcon 2000LX	Exxaero	13 XRO118
				PH-FIS	Ce525	JetNetherlands	arr

On the 1st the Privajet BBJ previously being used by the Dutch Government departed Holland. On that same day a Jet 2 aircraft arrived for maintenance. The Smartlynx Airbus on the 3rd was in basic Aeroflot colours. The Air Moldova Embraer on the 12th operated a football charter. The extra AeroMédico on that same day was a Charles De Gaulle diversion. An easyJet on its way from Heraklion to Luton diverted to Amsterdam in the early hours of the 27th. Wizz Air UK diverted on the 30th while on its way from Pristina to Luton.

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

## Rotterdam - The Hague

August 2019							
01.CS-DLK	Falcon 2000EX	NetJets Europe	02 NJE500R/9VR	OH-TRG	PC-12/47E	Hendell Aviation	
D-CSOS	Lj45	Jetcall	JCL1	OO-ACO	Ce510	Air Service Liège	11
F-GLUX	Ce525C	Jet Corporate	02	11.D-AJET	ERJ650	Air Hamburg	12 AHO750B
G-IASM	Beech 200	2 Excel Aviation	02 BRO39	G-ISLN	ATR72-212A	Blue Islands	f/v BC1862/3
N233PA	AS350B3	Comanche Maverick Air	f/v	OO-ACO	Ce510	Air Service Liège	15
N651WE	G650ER	Eric L. Smidt	dep	PH-LAU	Falcon 900EX	Exxaero	XRO486
PH-TCN	P180	JetNetherlands	dep	PH-VBG	Falcon 2000EX	JetNetherlands	22
PH-TCN	P180	JetNetherlands	07	VQ-BBS	BAe125-750	Sirius-Aero	CIG1821/2
PH-VBG	Falcon 2000EX	JetNetherlands	03	12.ZE707	BAe146 CC2	32(TR)sq	RRR1912
TC-COH	B737-8EH	Corendon Airlines	f/v CAI049/50	CS-DUB	BAe125-750	NetJets Europe	13 NJE44L
02.CS-PHD	EMB505	NetJets Europe	03 NJE3NX/322H	CS-DXO	Ce560XLS	NetJets Europe	NJE647H/990U
D-AVIB	ERJ135BJ	Air Hamburg	AHO531Z	CS-LTC	Ce680A	NetJets Europe	NJE4XQ/960C
D-CSUN	Ce560XLS+	Air Hamburg	AHO470C/488S	CS-LTG	Ce680A	NetJets Europe	13 NJE277T/925D
OE-FZB	Ce510	GlobeAir	GAC062E/F	D-CGGG	Lj31A	Jetcall	JCL3
03.PH-JTJ	Ce680	Exxaero	04 XRO335	D-CHRA	Ce525C	E-Aviation	EFD4A
PH-VBG	Falcon 2000EX	JetNetherlands	11	LY-NVW	A320-232	SunExpress	SXS5340/1
04.OO-JWB	PC-12/47E	Nextgen Aviation		OE-FRM	Ce510	GlobeAir	13 GAC185C/074D
05.CS-CHA	CL-350	NetJets Europe	NJE5KZ/ -	OM-GTH	B737-8BK	Corendon Airlines	CAI049/50
D-FWIT	PC-12/47E	Air Alliance		OO-VMF	Ce560XLS+	Air Service Liège	
G-KLNW	Ce510	Saxonair	SXN51D/N	PH-CTH	Falcon 2000LX	Exxaero	13 XRO118
				PH-FIS	Ce525	JetNetherlands	arr



Ernest Airlines is an Italian low-cost airline founded on 16 October 2015. The airline received its operating license on 11 April 2017. A320 EI-LIN is the latest addition to the all Airbus fleet. (Rotterdam -The Hague, 16 August 2019, Kees van Boven)

PH-TCN	P180	JetNetherlands	13	OY-CKK	Falcon 2000LXS	Air Alsie	20 MMD6948/0044
PH-WIS	Ce525C	KNSF Flight Services	del	OY-SKK	Falcon 8X	Air Alsie	MMD22
13.CS-DLG	Falcon 2000EX	NetJets Europe	14 NJE594H/2PH	PH-HRK	P180	JetNetherlands	21
D-IVAA	Ce510	Centec		PH-HVB	EC135T2+	ANWB - MAA	Lifeline1
F-GPKL	PA-46-350P	Le Moulin		SE-MIN	DA42	OSM Avn Academy	19 SCQ5N/8Q
G-IASA	Beech B200	IAS Medical	MDI09	19.CS-PHK	EMB505	NetJets Europe	NJE389U/2CP
OE-IEN	Falcon 2000EX	Global Jet Austria	14 GLJ93EN	D-AFAN	CL-850	FAI Rent-A-Jet	IFA6048/69
RA-67220	CL-850	MBK-S	PLG9003/4	D-CQAA	Lj45	Quick Air Jet Charter	QAJ3641
SP-ENG	B737-8CX	Enter Air	ENT501P/501	D-FWIT	PC-12/47E	Air Alliance	
14.D-CCCB	Lj35A	DRF	AMB335	HB-JSM	Falcon 7X	Jet Aviation Business Jets	20
D-FWIT	PC-12/47E	Air Alliance	2x	LX-LAA	Lj45	Luxembourg Air Ambulance	LRQ499
EI-LIN	A320-232	Ernest Airlines	ERN8112/9403	LX-LAR	Lj45	Luxembourg Air Ambulance	LRQ495
G-OOEG	CL-350	Catreus	VCG2EG/3EG	LY-NVW	A320-232	SunExpress	SXS5340/1
N542MP	HA-420	AMS		OE-FHA	Ce510	GlobeAir	GAC900LM
N854WA	PA-46-500TP			OO-ACO	Ce510	Air Service Liège	
OE-FPP	Ce510	GlobeAir	15 GAC074E/342B	OO-HCY	R44	Heli & Co	20
PH-TCN	P180	JetNetherlands	16	OO-PRM	Ce510	Air Service Liege	arr
15.G-JOTR	BAe146-RJ85	JOTA Aviation	BAW9755P/CFE4458	OY-EKC	Falcon 7X	Air Alsie	21 MMD11
N811AM	BAe125-800SP	Airmed International	16	OY-JJB	Do328-310	JoinJet	SUS500/9100
OM-GTH	B737-8BK	Corendon Airlines	CAI050	PH-TCN	P180	JetNetherlands	arr
PH-DTS	DA42	Wings over Holland		PH-UDB	DA62	SIM International	arr
PH-HRK	P180	JetNetherlands	dep	SP-AST	Ce525	AMC Aviation	21 AMQ9T
PH-HRK	P180	JetNetherlands	17	20.H46	A109BA	17sq/1w	*BAF317
PH-MDG	Ce680	Exxaero	17 XRO505/540	CS-LTA	Ce680A	NetJets Europe	22 NJE360T/727Y
16.9N-ANF	DHC-8-402	Shree Airlines		CS-LTC	Ce680A	NetJets Europe	NJE4XQ/60Q
CS-DLL	Falcon 2000EX	NetJets Europe	NJE738K/978Q	D-FWIT	PC-12/47E	Air Alliance	
CS-LTI	Ce680A	NetJets Europe	NJE850A/6XK	D-IAIB	Ce525	AIB Asset	21
D-CHRA	Ce525C	E-Aviation	EFD4A	EC-NAR	Ce525A	Air Taxi & Charter Int'l	22 IBJ720A/2A
EI-LIN	A320-232	Ernest Airlines	ERN9404/8113	OO-HCY	R44	Heli & Co	
F-GSLZ	Falcon 100	Harmony Jets	17 HMJ208	OO-HMW	EC120B	Helimo	
F-WWZS	Falcon 8X	Dassault Aviation	del	OY-JJJ	Raytheon 4000	JoinJet	21 SUS567
OO-HSA	AS355N	Heli Service Belgium	17	PH-STB	Falcon 900C	Exxaero	XRO506
PH-DAM	P180	JetNetherlands	dep	PH-TTR	H135	ANWB - MAA	dep
PH-HVB	EC135T2+	ANWB - MAA	Lifeline1	PH-ULP	EC135T2	ANWB - MAA	arr
PH-STB	Falcon 900C	Exxaero	17 XRO479/506	21.CS-PHA	EMB505	NetJets Europe	NJE677E/8AQ
SP-ESC	B737-8AS	Enter Air	ENT502/57TC	G-ZNTJ	Lj75	Zenith Aviation	BZE03A/B
SX-SOF	A320-232	Corendon Airlines	CAI1583/4	OE-FRM	Ce510	GlobeAir	22 GAC922L/690B
17.D-CAGA	EMB505	Luxaviation Germany	18 LXG55A	PH-ELP	EC135T2	ANWB - MAA	Lifeline3
G-LEGC	ERJ135BJ	Luxaviation UK	18 LNX27GC/17GC	22.15+01	A319-115X	FBS BMVg	GAF824
OE-HMR	Falcon 2000LX	MHS Aviation	18 MHV20X	D-HARI	A109E	HARIBO	24
OY-CKK	Falcon 2000LXS	Air Alsie	18 MMD44/6948	D-IAIB	Ce525	AIB Asset	24
PH-DTS	DA42	Wings over Holland		D-IKOE	Ce510	Reederei Köpping	
PH-MYX	Ce650	JetNetherlands	23	G-FSEU	Beech 200	Nimbus Air	BRO30/30P
TC-JPN	A320-232	Turkish Airlines	THY3902/3	OM-GTH	B737-8BK	Corendon Airlines	CAI049/50
18.CS-PHL	EMB505	NetJets Europe	19 NJE926Q/7RF	OO-ACO	Ce510	Air Service Liège	26
D-AIRV	ERJ135BJ	Air Hamburg	19 AHO880P/826D	OO-CFW	PC-12/47E	Nextgen Partners	
D-CQAJ	Lj35A	Quick Air Jet Charter	QAJ1901	OO-IDE	Ce525	Air Service Liège	28
D-IPCG	Ce425	PGS Holding		PH-DAM	P180	JetNetherlands	2x
EC-KRN	G200	Executive Airlines	JME210N	PH-HRK	P180	JetNetherlands	25
F-GSLZ	Falcon 100	Harmony Jets	19 HMJ208	23.CS-DLC	Falcon 2000EX	NetJets Europe	NJE6VZ/515B
G-ZNTH	Lj75	Zenith Aviation	BZE07B/07C	CS-LTF	Ce680A	NetJets Europe	NJE3VJ/593B
M-URUS	B737-7GC	Global Jet Luxembourg	19	CS-PHG	EMB505	NetJets Europe	NJE6KY
OM-GTH	B737-8BK	Corendon Airlines	CAI1783/4	CS-PHH	EMB505	NetJets Europe	NJE7QZ/499U
OO-JCV	PC-12/47E	Nextgen Aviation		D-IKOE	Ce510	Reederei Köpping	
OO-LET	Beech B200	Air Service Liège	19	D-ISTP	EMB500	ProAir Aviation	24

OE-FBD	Ce510	GlobeAir	GAC144K/922M	OE-FHA	Ce510	GlobeAir	30 GAC403D/427F
OO-CFW	PC-12/47E	Nextgen Partners		OE-FZC	Ce510	GlobeAir	30 GAC805G/958U
OY-CKP	Beech B200	Cowi Aerial Survey	tdy 27 COW01	OO-ACO	Ce510	Air Service Liège	arr
OY-TNS	P68B	Bio Flight	BIO09	PH-LAU	Falcon 900EX	Exxaero	31 XRO527
PH-CTH	Falcon 2000LX	Exxaero	XRO316/522	30.144615	CC-144B	412sq	31 CFC3701
PH-NDK	Falcon 900B	Exxaero	25 XRO511/527	D-CAPO	Lj35A	Jet Executive Int'l	JEI454/555
PH-ULK	AS355N	HeliAir		D-CMMP	EMB505	Luxaviation Germany	31 LXG55MP
SX-ODS	A320-232	Corendon Airlines	CAI1583/4	D-IAIB	Ce525	AIB Asset	31
24.9A-BTD	Fokker 100	Trade Air	TDR9524/0524	N604EP	CL-604	Engineers & Planners Company	31
CS-DXQ	Ce560XLS	NetJets Europe	25 NJE9BA	OE-FZC	Ce510	GlobeAir	GAC262L/151L
D-CMMP	EMB505	Luxaviation Germany	25 LXG55MP	OE-GFC	IAI1125SPX	Tyrol Air Ambulance	31 TYW686/2
D-IMOI	Ce525	ProAir Aviation		OH-MUG	PC-12/45	Hendell Aviation	
F-GPGK	Falcon 900	Luxaviation France	25 LEA458K	OM-GTH	B737-8BK	Corendon Airlines	CAI1583/4
N780KS	G550	Western Air Charter	26 EDG80	PH-MYX	Ce650	JetNetherlands	JNL449/-
OY-CKK	Falcon 2000LXS	Air Alsie	MMD44	PH-TAK	DA42	Happy Landings	dep
OY-TNS	P68B	Bio Flight	BIO09	SP-ENX	B737-8Q8	Enter Air	ENT586/588P
PH-LAU	Falcon 900EX	Exxaero	XRO524	YU-SVL	Ce560XLS	Prince Aviation	PNC1VL
25.CS-PHH	EMB505	NetJets Europe	26 NJE809E/716F	31.231/F-RAFC	Falcon 2000LX	ET00.060	CTM0091
D-CEFO	Ce560XLS+	Air Hamburg	26 AHO412F/344F	0001	G550	1.BLTr	PLF105
D-CGGG	Lj31A	Jetcall	26 JCL3	900528	C-26D	Naples AOD	01 CNV6331
D-ILUI	Ce525A	ProAir Aviation		D-CTOR	EMB505	Luxaviation Germany	arr LXG550R
OE-FNP	Ce510	GlobeAir	GAC403Z/D	D-GVCC	DA42	CAE Brussels	2x
OO-STR	AS350B3	Stephex Stables		OE-FFB	Ce510	GlobeAir	GAC986J/875J
OY-TNS	P68B	Bio Flight	BIO09	OY-CKP	Beech B200	Cowi Aerial Survey	COW01
26.9N-ANE	DHC-8-402	Shree Airlines		OY-CKS	BN-2A-21	Cowi Aerial Survey	COW02
D-BUZZ	Ce750	Air X Charter (Germ.)	28 AXG2629	PH-TXA	Ce510	JetNetherlands	
I-LCFC	B737-86N	Blue Panorama	27 BPA8138/9138				
N41518	PA-46-350P						
OO-ACO	Ce510	Air Service Liège	28				
OY-TNS	P68B	Bio Flight	BIO09				
PH-VBG	Falcon 2000EX	JetNetherlands	arr				
SE-RFL	Ce680	European Flight Service	EUW9292				
27.OY-APM	G450	Maersk Aviation					
SP-ENO	B737-8AS	Enter Air	ENT585P/585				
SX-ODS	A320-232	Corendon Airlines	CAI1285/6				
28.V-11	G-IV	334sq	NAF11				
D-CFIV	Lj35A	Air Alliance	AYY118				
D-CFLY	Ce560XLS+	Air Hamburg	29 AHO469N/96N				
D-CGRC	Lj35A	Jet Executive Int'l	29 JEI333/43				
F-HBTT	Beech 350	CAE Aviation					
N589K	G550	Swagelok Co.	MDM89K				
OE-FHA	Ce510	GlobeAir	29 GAC514B/403C				
OE-FZC	Ce510	GlobeAir	29 GAC916E/805F				
OO-IDE	Ce525	Air Service Liège	arr				
OO-MMT	Ce560XLS	Air Service Liège	arr				
VQ-BXG	Falcon 8X	Shell Aircraft	f/v dep SHE32G				
29.V-11	G-IV	334sq	NAF11				
9H-GAW	B737-8Z0	Blue Panorama Airlines	BPA9138/9				
9H-WFC	ERJ135BJ	Air X Charter	31 AXY2921/3107				
CS-DXH	Ce560XLS	NetJets Europe	NJE8FR				
D-CCVD	Ce560XLS	Atlas Air Service	30 ATL1D				
D-CYKP	Ce550 Bravo	Tyrol Air Ambul.	30 TYW524P/523P				
D-FWIT	PC-12/47E	Air Alliance					
D-IANA	Beech B200	Euro Link					
D-ILHA	Ce525	Lufthansa Flight Training	*DLH9987				
LN-AGR	Falcon 7X	Sundt Air	AKK7				

The Écureuil on the 1st is former SE-JST. The helicopter was registered on 26 June 2019 to a company linked to The Friedkin Group. Georgian Airways took Dynamo Tbilisi to Rotterdam on the 6th. The Lufthansa Airbus on the 9th was an Amsterdam diversion. The latest acquisition of KNSF Flight Services arrived on the 12th. Enter Air transported the Feyenoord team to Georgia for the return game against Dynamo Tbilisi. On the 14th Ernest Airlines took some passengers from Verona to Rotterdam. Feyenoord returned home on the 16th. On that same day the first of two Dash-8 aircraft destined for Shree Airlines was ferried through Rotterdam on its delivery flight. Also on the 16th the delivery of the second Falcon 8X for Shell Aircraft. Ernest Airlines visited the same day to transport passengers from Rotterdam to Hamburg. The second Shree Airlines Dash-8 on its delivery flight came through Rotterdam on the 26th. APOEL Nicosia had to play against Ajax and used Blue Panorama as their transportation on that same day. APOEL Nicosia went home on the 29th using a Maltese registered Blue Panorama Boeing 737. Enter Air transported Feyenoord to Israel on the 27th for their return game against Hapoel Beer Sheva. The team returned home on the 30th again using Enter Air. The second Falcon 8X for Shell Aircraft departed on the 28th on its first service after being delivered.

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



Recently Blue Panorama Airlines opened an operational base in Malta. Most Boeing 737-800 aircraft have been transferred to the Maltese register. 9H-GAW was previously EI-GAW and was the first aircraft transferred to Malta in March 2019. (Rotterdam -The Hague, 29 August 2019, Maarten Visser Sr)



In Scramble issue 47 - page 9 we published a photo of the left side this aircraft taken at Maastricht - Aachen Airport. This time we are able to show you the right side of Boeing 737 SP-ENX which has a different image on the tail. (Rotterdam - The Hague, 30 August 2019, André Wadman)

## Maastricht - Aachen

August 2019			
01. OO-GLM	Ce680	ASL	
PH-VCC	DA62	Cav-Okay	
ZS-GAL	A320-231	Corendon Airlines	CAI1483/4
02. N666HD	G650ER	Goldbridge	03
PH-CJM	Ce680	ASL	
SX-KAT	A320-232	Orange2fly	OTF5312/3
03. OO-GLM	Ce680	ASL	13
PH-DWS	ERJ135LR	Air Charters Europe	04 JNL748/994
04. I-SWIA	B747-4R7F	SW Italia	AZG257/8
LX-RCV	B747-4R7F	Cargolux Italia	CLX7156
TC-AGF	A330-203	AtlasGlobal	KKK6255/6
05. D-CURT	Lj31A	Air Alliance Express	YYY112
LX-LAR	Lj45	Luxemb. Air Rescue	LRQ456
LX-LGE	DHC-8-402	Luxair	dep LGL12
LX-LGM	DHC-8-402	Luxair	09 LGL11/2
OE-IEN	Falcon 2000EX	Global Jet Austria	GLJ93EN
SX-KAT	A320-232	Orange2fly	OTF1310/1
06. CS-LTI	Ce680A	NetJets Europe	NJE329L/6XK
LZ-BHL	A320-232	BH Air	BGH2501/2
PH-DWS	ERJ135LR	Air Charters Europe	11 JNL994/209
SX-KAT	A320-232	Orange2fly	OTF2312/3
07. LZ-BHI	A320-232	BH Air (a/w)	BGH5925/6
08. LX-GCL	B747-467F	Cargolux	UAE9962
09. D-CAGA	EMB505	Luxaviation Germany	LXG55GA
D-IAAB	EMB500	Arcus Air	AZE11K/11AW
LX-LQI	DHC-8-402	Luxair	12 LGL11
SX-KAT	A320-232	Orange2fly	OTF5312/3
10. LN-WIG	DHC-8-103	Widerøe	dep WIF9885
LN-WIU	DHC-8-102	Widerøe	arr WIF9102
VP-BOC	A321-211	Aeroflot	16 AFL7722/3
11. LX-TCV	B747-4R7F	Cargolux Italia	CLX7156
TC-AGF	A330-203	AtlasGlobal	KKK6255/6
12. D-FJTT	PC-12/47E		f/v
D-ILAP	EMB500	Liebherr Geschäftsreise	LHB4
G-CKUB	Ce560XLS+	Air Charter Scotland	EDC790
SX-KAT	A320-232	Orange2fly	OTF1310/1
13. LZ-BHL	A320-232	BH Air	BGH2501/2
SX-KAT	A320-232	Orange2fly	OTF2312/3
14. CS-DLG	Falcon 2000EX	NetJets Europe	NJE2PH
LZ-BHM	A320-232	BH Air	BGH5925/6
M-JCBB	G650	JC Bamford Excavators	JCB1
PH-DWA	ERJ145LR	Air Charters Europe	f/v 16 JNL702/45
TC-COH	B737-8EH	Corendon Airlines	f/v CAI1383/4
15. LX-GCL	B747-467F	Cargolux	UAE9962
PH-DWS	ERJ135LR	Air Charters Europe	16 JNL14
16. SX-KAT	A320-232	Orange2fly	OTF5312/3
17. D-BEKP	CL-300	Windrose Air	18 QGA600G/1G
TC-ACM	B747-428ERF	Saudia	SVA915/6
18. PH-DWA	ERJ145LR	Air Charters Europe	20 JNL119/477
PH-DWS	ERJ135LR	Air Charters Europe	20 JNL209/396
TC-AGF	A330-203	AtlasGlobal	KKK6255/6
19. OO-GLM	Ce680	ASL	22 2x
OY-GSA	PC-12/47E	Widex	
SX-KAT	A320-232	Orange2fly	OTF1310/1
20. D-COZY	EMB505	Luxaviation Germany	LXG30Y
LZ-BHL	A320-232	BH Air	BGH2501/2
OK-PPP	Beech 400XTi	Time Air	21 TIE638P/47P
OM-GTH	B737-8BK	Corendon Airlines	CAI1283/4
SP-ATT	Beech 400XP	Smart Jet	SAH48P
SX-KAT	A320-232	Orange2fly	OTF2312/3
21. CS-GLC	Global 6000	NetJets Europe	23 NJE4SN/967U
D-CGRC	Lj35A	Jet Exec. Int'l Charter	22 JEI333/43
LZ-BHM	A320-232	BH Air	BGH5925/6
N450T	G450	Al Ghazzawi Development Comp.	24
OO-KOR	Ce525A	Luxaviation Belgium	22 AAB641/876
22. CS-GLC	Global 6000	NetJets Europe	tst NJE4SN
LX-GCL	B747-467F	Cargolux	UAE9962
N344SE	PA-34-220T		
OE-FHA	Ce510	GloboAir	GAC760J/608W
OO-ACC	Ce525A	Air Service Liège	
OY-GSA	PC-12/47E	Widex	
ZS-GAR	A320-231	Corendon Airlines	CAI1483/4
23. OO-CEJ	Ce525	Air Service Liège	
OO-KOR	Ce525A	Luxaviation Belgium	24 AAB876/418
PH-DWA	ERJ145LR	Air Charters Europe	28 JNL477/022
SX-KAT	A320-232	Orange2fly	OTF5312/3
24. OK-JFA	Beech 400XT	Time Air	TIE639J
OO-ACC	Ce525A	Air Service Liège	
P4-KCE	ERJ190LR	Air Astana	ar ZKR1387/
TC-ACF	B747-481(F)	Saudia	SVA915/6
25. CS-DLG	Falcon 2000EX	NetJets Europe	26 NJE315Q/255P
TC-AGF	A330-203	AtlasGlobal	KKK6255/6
26. CS-DLJ	Falcon 2000EX	NetJets Europe	27 NJE625M/2JW
D-CQAA	Lj45	Quick Air	QAJ4908
SX-KAT	A320-232	Orange2fly	OTF1310/1
27. F-HEPC	A320-214	Joon	AFR1340/1
LZ-BHM	A320-232	BH Air	BGH2501/2
OO-GLM	Ce680	ASL	30 2x
SX-KAT	A320-232	Orange2fly	OTF2312/3
28. CS-DFF	Falcon 2000EX	NetJets Europe	NJE2NF/301U
LZ-BHI	A320-232	BH Air (a/w)	BGH5925/6
N581D	G550	Du Pont Aviation	
VP-BJB	A220-300	GTLK (a/w)	arr SXA584
29. LX-GCL	B747-467F	Cargolux	UAE9962
OH-TFA	EMB505	Hendell Aviation	01
30. D-CBBB	Ce560XLS+	DC Aviation	DCS763
D-CFAF	Lj60	FAI Rent-a-jet	IFA1428/9
HB-JBA	CS100	Swiss	04 SWR5812/183
OH-WIX	Falcon 7X	Jetflite	arr JEF99
PH-DWS	ERJ135LR	Air Charters Europe	02 JNL904/716
SX-KAT	A320-232	Orange2fly	OTF5310/1
VP-BOE	A321-211	Aeroflot	arr AFL7722
31. D-IAKN	Ce525A	Star Wings Dortmund	STQ111
OO-RRM	R44	Heli Service Belgium	
PH-PBA	DC-3C	Dutch Dakota Assoc.	

Orange2fly operated flights to Egypt this month. BH-Air continued their flights to Burgas. Luxair paid maintenance visits with several aircraft this month. Widerøe made an aircraft change on the 10th. Also on the 10th an Aeroflot for a repaint. The Air Charters Europe Embraer 145 arrived at its home base on the 14th. EC120B PH-HCH, former G-DEVL, was noted inside a hangar on the 23rd. The Air Astana Embraer on the 24th arrived for maintenance. On the 28th an all white A220 arrived for storage. A second Aeroflot Airbus arrived on the 30th for a repaint. The DDA Dakota performed several sightseeing flights on the 31st.

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

## Groningen - Eelde

August 2019			
01.N480CH	B737-72T	Crescent Heights of America	dep
PH-TXA	Ce510	JetNetherlands	09
PH-SHO	EC155B1	Heli Holland Offshore	HHE77A
02.D-CFIV	Lj35A	Air Alliance	AYY118
G-RSXP	Ce560XLS+	Catreus	arr VCG26XP
04.D-CQAA	Lj45	Quick Air	QAJ2244
05.N900FH	TBM-900	HTG Trading	f/v arr
PH-ULP	EC135T2	ANWB - MAA	Lifeline4
06.PH-TXA	Ce510	JetNetherlands	2x tst
08.PH-LAB	Ce550	NLR - TU Delft	
09.D-CONE	Lj35A	Air Alliance	AYY105
F-HICU	BAe125-900XP	Airlec Air Espace	ARL127
PH-TXA	Ce510	JetNetherlands	11
13.UR-74026	An-74TK200	Motor-Sich	16 MSI6533/4
14.D-IHKW	Ce525	ProAir	
15.PH-TXA	Ce510	JetNetherlands	2x 17
16.D-IBWA	Ce525	Schuite & Schuite Druckfarben	arr
D-INCS	Ce525	Jetkontor	2x JKH321
OK-RLV	G280	Avcon Jet	arr
OK-SLX	Ce560XL	Silesia Air	SUA661/2
OO-ACO	Ce510	Air Service Liège	arr
17.PH-TXA	Ce510	JetNetherlands	20
18.D-AVIB	ERJ135BJ	Air Hamburg	AHO558A
19.SE-RCA	Lj35A	Saab Nyge Aero	arr
20.83+11	Super Lynx Mk88A	MFG5	*GNY4664
N7779V	Beech B200	Etienne Veen	*
PH-TXA	Ce510	JetNetherlands	
22.D-HYAF	H145	ADAC	CXP26
N125DE	Eclipse 500	Blueprint Automation	
PH-FRA	TBM-900	Adams Flight Service	
23.EC-NBS	Ce680A	Gestair	GES441S
M-FALZ	Falcon 7X	Pacelli Beteiligungs	
PH-TXA	Ce510	JetNetherlands	
24.N50G	SF50	Progress Solutions	27
25.PH-TXA	Ce510	JetNetherlands	29
26.D-HANS	R44	Heli & Co	
27.D-IHKW	Ce525	ProAir	
28.D-ITRA	Ce525	Transavia Flug	

29.EC-MRL	G550	Gestair	GES251L
HB-VLX	PC-24	Premium Jet	
YU-SPB	Ce560XLS	Air Pink	
31.D-IMHA	Ce525A	MHS Aviation	MHV52A
HB-JWA	CL-650	Swiss Air Ambulance	SAZ51/2
OE-FCB	Ce510	GlobeAir	GAC790K/578M
OY-NDP	Ce525A	Greybird Aviation	arr GAG654A

The Antonov on the 13th was a football charter and probably the highlight of this month.

Credit: GEAS, FlyGRQ.

## Deventer-Teuge

August 2019			
04.PH-ITI	H125	HeliCentre	
05.D-FLIZ	Ce208	Skydive Center Spa	06
D-HGVB	R44	Rotavisie	
06.D-664	CH-47D	298sq	
PH-ECD	EC120B	Heli Holland Holding	
PH-PXD	EC135P2+	Nationale Politie	ZXP04
07.OO-PMV	R44	Heli & Co	
09.I-VICC	P68B	Aeronike	14
PH-FVD	R44	Rotarywings	
12.D-HGVB	R44	Rotavisie	
N690PK	RC690A		arr
PH-RIW	R44	Riwald Recycling	
14.I-VICC	P68B	Aeronike	16
16.I-VICC	P68B	Aeronike	
21.D-HKLE	EC120B	Fleuren Elektro Technik	
PH-PXB	EC135P2+	Nationale Politie	ZXP02
22.2-ZEUZ	Beech C90A	Zeusch aviation	31
LX-JFS	PC-12/47E	Jetfly Aviation	23
PH-PXY	AW139	Nationale Politie	ZXP25
23.PH-HBH	H269C	Heli Holland Holding	
26.OO-SEX	Ce208B	Skydive Center Spa	29
OO-SPA	Ce208B	Skydive Center Spa	
PH-DTS	DA42	Wings over Holland	
27.OO-HEY	R44	Heli & Co	
30.D-HGVB	R44	Rotavisie	
31.PH-RIW	R44	Riwald Recycling	

Credit: Teuge Airport.

## Eindhoven

August 2019			
01.03	C-17A	HAW	
D-CQAA	Lj45	Quick Air	
PH-CJM	Ce680	ASL	dep
UR-CJN	An-12B	Cavok Air	dep
02.D-661	CH-47D	298sq	*Viking3
LX-LAA	Lj45	Ducair - LAR	LRQ446/7
N542MP	HA-420	AMS	
PH-CJM	Ce680	ASL	08
PH-FJK	Ce525B	JetNetherlands	dep
PH-FJK	Ce525B	JetNetherlands	03



This Airbus is one of three aircraft destined for Russian airline Red Wings. The airline had cancelled the order in March 2019 but leasing company GTLK (aka "State Transport Leasing Company") still took delivery of the aircraft. Starting this sentence with "this Airbus" seems a bit weird but the aircraft on the photo has the proof near its nose cone. VP-BJB departed Mirabel Airport on 27 August 2019 and arrived in the Netherlands the next day. It is currently in storage at Maastricht - Aachen Airport where Mark Rimmel made this photo on 28 August 2019.



Super Lynx Mk88A 83+11 is in service with Marinefliegergeschwader 5 at Nordholz Naval Airbase, the sole remaining naval air base in Germany. 83+11 was initially delivered to the German Navy as a Sea Lynx Mk88. (Groningen - Eelde, 20 August 2019, Hendrik Cazemier)

03.01	C-17A	HAW	06	D-CSOS	Lj45	Jetcall	JCL1
	D-CBAY	Ce680		PH-HWM	CL-605	ASL	20
	D-CHLR	EMB505	ATL9K	VP-CZL	Global 6000	TAG Aviation Asia	TBJ67
04.OO-PKX	Ce750	Air Service Liège	05	14.01	C-17A	HAW	Bartok79
	PH-HWM	CL-605	06	LN-WDJ	DHC-8-402	Widerøe	WIF7473/8474
05.CH05	C-130H	20sq	*BAF670	LX-EAA	Lj45	Ducair – LAR	LRQ487
	OO-PKX	Ce750	12	OO-IDE	Ce525	Air Service Liège	
	VP-CRA	ERJ135BJ	07	15.L-06	PC-7	131EMVOsq	*Razor02
06.D-CCCB	Lj35A	DRF	AMB326	D-CBEN	Ce560XLS+	Adolf Würth	
	PH-CGN	Do228-212	*NCG03	OO-IDE	Ce525	Air Service Liège	20
	T7-MVA	G450	07	OO-PKX	Ce750	Air Service Liège	
	TC-OCN	A330-243	SVA4259/5269	PH-CJM	Ce680	ASL	17
07.L-13	PC-7	131EMVOsq	*Diamond03	PH-TXA	Ce510	JetNetherlands	
	D-AOLH	Fokker 100	ATV006H/501H	16.57+04	Do228-212	MFG3	*
	PH-FJK	Ce525B	16	LN-RDY	DHC-8-402	Widerøe	WIF8309/7309
08.CS-PHI	EMB505	NetJets Europe	09 NJE418T/010C	PH-FJK	Ce525B	JetNetherlands	19
	D-ASSY	Falcon 7X	2x	17.OO-GEE	PC-12/47E	Blue Sky Aviation	2x
	M-ABEU	Lj45XR		PH-CJM	Ce680	ASL	23
	OK-ESC	Beech 400XT	TIE594S	18.OE-FBD	Ce510	GlobeAir	GAC645R/645S
	PH-CJM	Ce680	15	OO-PKX	Ce750	Air Service Liège	19 2x
09.FB15	F-16BM	10w/OCU	*BAF532	19.Q-16	AH-64DN	301sq	tst Redskin13
	D-106	CH-47D	298sq	*Corona1, GLV-V	MC-130J	7th SOS	*Strix43
	D-661	CH-47D	298sq	*Ghost5, GLV-V	Ce750	Air Service Liège	22
	D-667	CH-47D	298sq	*Viking3, GLV-V	A330-203	AtlasGlobal	f/v CAI041/0
	L-03	PC-7	131EMVOsq	*Diamond04	20.D-CRON	Ce560XLS	Silver Cloud Air
	F-HJLP	EMB550	Air TNB	11 LWG1571	PH-STB	Falcon 900C	Exxaero
	HA-LVD	A321-271NX	Wizz Air	f/v WZZ8VS/9NV	PH-TXA	Ce510	JetNetherlands
	OE-FAT	Ce510	GlobeAir	10 GAC841J/243F	21.Q-16	AH-64DN	301sq
10.D-CASH	EMB505	Air Hamburg	AHO219M	D-ASMF	A319-111	Sundair	*Redskin11+GLV-V
	HA-LVF	A321-271NX	Wizz Air	f/v WZZ5VS/8JY	OE-LOQ	A320-214	LaudaMotion
11.CS-DXO	Ce560XLS	NetJets Europe	NJE476R/663W	PH-CGC	Do228-212	Kustwacht	*NCG03
	D-CJMK	Ce560XLS+	AHO492L	PH-FJK	Ce525B	JetNetherlands	24
	OE-FCB	Ce510	GAC63H/841K	PH-TXA	Ce510	JetNetherlands	22
	PH-HWM	CL-605	ASL	22.OO-GEE	PC-12/47E	Blue Sky Aviation	2x
12.231/F-RAFC	Falcon 2000LX	ET00.060	2x CTM1282	PH-CGC	Do228-212	Kustwacht	*NCG03
	D-106	CH-47D	298sq	*Ghost1, GLV-V	23.D-ASMF	A319-111	Sundair
	D-665	CH-47D	298sq	*Grizzly52, GLV-V	PH-CJM	Ce680	ASL
	J-008	F-16AM	312/313sq	13	24.PH-CJM	Ce680	ASL
	J-020	F-16AM	312/313sq	13	PH-FJK	Ce525B	JetNetherlands
	J-146	F-16AM	312/313sq	13	25.OO-PKX	Ce750	Air Service Liège
	J-197	F-16AM	312/313sq	13	TC-OCM	A330-243	Saudia
	J-368	F-16BM	313sq	13	26.9H-VFA	CL-605	VistaJet Malta
	J-514	F-16AM	312/313sq	13	G-POWH	B757-256	Titan Airways
13.CH11	C-130H	20sq (D-Day mks)	*BAF671	OO-KNM	R44	Air Technology Belgium	*GLV-V

27.OO-PKX	Ce750	Air Service Liège	29
PH-CGN	Do228-212	Kustwacht	*NCG03
28.D-ASEF	A320-214	Sundair	SRD854F/8538
29.FB22	F-16BM	2w	*BAF245
01	C-17A	HAW	30 Bartok80
D-CBEN	Ce560XLS+	Adolf Würth	
OO-GEE	PC-12/47E	Blue Sky Aviation	
OO-PKX	Ce750	Air Service Liège	30
PH-CGN	Do228-212	Kustwacht	*NCG03
PH-FJK	Ce525B	JetNetherlands	01
PH-NDK	Falcon 900B	Exxaero	XRO520
30.FB23	F-16BM	10w/OCU	*BAF411
M-ABEU	Lj45XR	Ryanair	
OO-PKX	Ce750	Air Service Liège	31
YR-FKA	Fokker 100	Carpatair	KRP3060/MGX2431
31.PH-HWM	CL-605	ASL	02
PH-PBA	DC-3C	Dutch Dakota Association	01

Eindhoven hosted some Volkel based F-16s due a WWII bomb found during construction works. The French Falcon 2000 visited twice including various approaches. The German Global of 20 August made one high approach, unable to confirm the registration. PSV used Avanti Air on the 7th for a charter related to their game against Haugesund. On the 14th Haugesund arrived using Widerøe as transport company. After the game the team was picked up on the 16th by a different Widerøe aircraft. On the 21st Apollon Limassol arrived using Sundair for their game against PSV. The team went home on the 23rd. Titan Airways operated a military charter on the 26th. The civil Belgian R44 on the 26th might look out-placed at the GLV-V however this helicopter was performing surveillance flights for pipelines. On the 28th Sundair operated a charter for PSV to Larnaca. The team returned on the 30th but the flight was operated by Carpatair. The Dutch Dakota Association arrived on the last day of the month and operated pleaseure flights the next day.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

### Hilversum

June 2019			
03.LN-MAV	L-4J	Per A. Johnsen "45-4417 / 43-J"	04
LN-RAP	L-4J	Dag Flatebø "44-80287 / 43-E"	04
LN-SAI	L-4J	"44-80283 / 43-L"	04
04.OO-HCY	R44	Heli & Co	
06.PH-WIK	AS350B3	HeliAir	
21.PH-LBR	Ce208B	Skydive Rotterdam	22
23.PH-HCD	Cabri G2	HeliCentre	
28.PH-ULK	AS355N	HeliAir	

The three Norwegian Piper L-4J Grasshoppers on the 3rd were en route to the "L-Birds back to Normandy" event at St. André de l'Eure, southeast of Caen. For a small blog about the event see [L-birdsofnorway.blogspot.com](http://L-birdsofnorway.blogspot.com)

July 2019

02.PH-HVB	EC135T2+	ANWB - MAA	
09.D-HGVB	R44	Rotavisie	
OO-HCY	R44	Heli & Co	
18.OO-SAF	R44	Toran - Van Oostveldt	
22.PH-HHJ	AS355F2	Heli Holland Holding	
25.PH-WRW	EC120B	Heli Holland Holding	
26.G-HCEN	Cabri G2	Helicentre Aviation	29
G-LINJ	R44	Helicentre Aviation	29
G-RBRI	R44	Helicentre Aviation	29

August 2019

05.PH-HVB	EC135T2+	ANWB - MAA	
06.OO-PMV	R44	Heli & Co	
07.PH-HVB	EC135T2+	ANWB - MAA	
09.D-HGVB	R44	Rotavisie	
11.D-EMBA	FWP-149D		16
18.PH-PXE	EC135P2+	Nationale Politie	ZXP05
20.OO-HCY	R44	Heli & Co	
21.N1944S	PT-13D	J. Harcourt	
23.PH-ULK	AS355N	HeliAir	
26.PH-HVB	EC135T2+	ANWB - MAA	

The Focke Wulf on the 11th is former 90+41 with the West German Air Force.

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

### Gilze-Rijen

August 2019			
02.L-04	PC-7	131EMVosq	*Diamond09
05.CH05	C-130H	20sq	*BAF670
FB23	F-16BM	10w/OCU	*BAF501
12.Q-16	AH-64DN	301sq	tst Redskin06
14.E110/705-AH	Alpha Jet E	EAC00.314	*FAF6442
E112/705-AO	Alpha Jet E	EAC00.314	*FAF6441
15.Q-14	AH-64DN	301sq	tst Redskin06
Q-16	AH-64DN	301sq	tst Redskin21
19.PH-PXZ	AW139	Nationale Politie	ZXP26
27.D-HABW	H135T3	IHAz	GAM011
28.PH-CGN	Do228-212	Kustwacht	*NCG03
PH-OUQ	Spitfire Mk. IX	SKHV	
29.FB22	F-16BM	2w	*BAF245

From 12 August the 301sq Redskin Apache grounding was lifted, resulting in two Apaches starting flying activities once more. The German Army H135T3 was a nice change of sight and the Historic Flight Spitfire flew again on 28 August after some time spend in the hangar.



Delivered to Emirates as A6-EAO in March 2003 this Airbus A330 was leased to Onur Air in december 2017. TC-OCN has been leased to Saudia since August 2018. The aircraft was caught on camera while operating a hadj-charter. (Eindhoven, 6 August 2019, Pascal Lambriks)

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

### De Kooy

			August 2019
05. G-CBMI	Yak-52	Heliscan	08
PH-TWN	P2006T	Zelf Vliegen	
08. OO-GOD	R44	C&C Invest	
13. <u>H46</u>	A109BA	17sq/1w	<u>BAF317</u>
14. <u>J-368</u>	F-16AM	313sq	*
20. G-ERBA	AW189	CHC Scotia	HNL45A
30. N-088	NH90-NFH	860sq	dep NAF088
N-195	NH90-NFH	860sq	dep NAF195

The Yak 52 reported unreliable engine performances, resulting in a precaution landing and a stay of three days prior to solving the problems. The CHC Scotia visit with the AW189 will hopefully bring more scheduled flights with this type to De Kooy and the formation of local 860sq NH90s left for NAS Culdrose in the UK. This is homebase of the FOST training with NH90 crews operating with Navy vessels and preparing themselves for operational duties.

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

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

### Leeuwarden

			August 2019
02. PH-ULP	EC135T2	ANWB - MAA	Lifeline4
07. <u>E7/705-TU</u>	Alpha Jet E	EAC00.314	08 FAF6443/4
E107/705-UD	Alpha Jet E	EAC00.314	08 FAF6442/1
E112/705-AO	Alpha Jet E	EAC00.314	08 FAF6444/3
E148/705-LU	Alpha Jet E	EAC00.314	08 FAF6441/2
12. FA87	F-16AM	2w	BAF251
FA102	F-16AM	10w	BAF511
FA106	F-16AM	10w	23 BAF512/431
FA133	F-16AM	2w	BAF252
J-508	F-16AM	312/313sq (nmks)	20 Metal01/Epic02
J-646	F-16AM	312/313sq	Crack01
16801	C-130H-30	Esq501	AFP49
15108	F-16AM	Esq201/301	AFP92
15116	F-16AM	Esq201/301	AFP93
13. <u>E110/705-AH</u>	Alpha Jet E	EAC00.314	14 FAF6442
E112/705-AO	Alpha Jet E	EAC00.314	14 FAF6441
G-275	C-130H-30	336sq	*NAF73
15. D-665	CH-47D	298sq	Shadow4

20. 83+11	Super Lynx Mk.88A	MFG5	GNY4664
J-512	F-16AM	312/313sq	30 Bulldog02/Anvil1
21. J-146	F-16AM	312/313sq	*Sting1
J-515	F-16AM	312/313sq	*Sting2
23. FA107	F-16AM	10w	05 BAF423/431
J-006	F-16AM	312/313sq	*Bonzo2
J-146	F-16AM	312/313sq	*Bonzo1
28. G-275	C-130H-30	336sq	*NAF75

Fightertown Leeuwarden snatched the fourship Alpha Jets from Gilze-Rijen, Volkel and Eindhoven. FWIT 2019 resulted in various movements on 12 August.

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

### Lelystad

			August 2019
04. G-COGS	Bell 407GXP	HC Services	
OE-FVJ	Ce525	Airlink	
05. HS-TOM	PA-46-500TP	NOK Aviation	07
06. CS-LTI	Ce680A	NetJets Europe	NJE304W/329L
07. D-102	CH-47D	298sq	
D-667	CH-47D	298sq	
F-HODB	PA-31-350	Pixair Survey	tdy arr PXR31G
OE-ICA	Global 5000	Avcon Jet	dep AOJ99A
PH-PXF	EC135P2+	Nationale Politie	ZXP06
PH-ULP	EC135T2	ANWB - MAA	12 - /Lifeline1
09. PH-RVS	P68B	Slagboom & Peeters	
12. PH-ENK	R44	Bear Helicopters	
PH-HVB	EC135T2+	ANWB - MAA	arr Lifeline1
13. N2673D	Ce340A	Kees Meijer - Meijer Beheer	
PH-HVB	EC135T2+	ANWB - MAA	tst
PH-ULP	EC135T2	ANWB - MAA	Lifeline1
PH-UNN	EC120B	HeliCentre	
14. D-IBTA	Beech B200GT	Brose Fahrzeugteile	
15. N125DE	Eclipse 500	Blueprint Automation	22
16. OE-GPS	Ce550 Bravo	Tyrol Air Ambulance	TYW847S
17. N14999	L-12A	Luc Hellings	18
N18130	L-12A	Art Deco Aviation	f/v 18
18. N18130	L-12A	Art Deco Aviation	tst
20. HB-FVC	PC-12/47	Lakeside Aviation	21
N7977Y	PA-30-160		
PH-TTR	H135	ANWB - MAA	arr Lifeline2
PH-ULP	EC135T2	ANWB - MAA	dep Lifeline2
21. G-ZVIP	Beech 200	Capital Air Ambulance	2x
22. G-PBYA	PBY-5A	Plane Sailing Air Displays	
22. N125DE	Eclipse 500	Blueprint Automation	28
OY-TNS	P68C	Bio Flight	
23. D-CAGA	EMB505	Luxaviation Germany	
D-GLGM	P2006T	Aero-Beta	



Guimbal Cabri G2 G-HCEN was one of three helicopters visiting Hilversum when this photo was taken. The helicopter was delivered to Helicentre Aviation in October 2014. It is primarily used for student training and part of a fleet of six Cabri G2 helicopters. (Hilversum, 27 July 2019, Ernesto Bauer)



With the departure to the USA of PH-PBY, this is currently the sole airworthy Catalina in Europe. G-PBYA was built by Canadian Vickers in Cartierville, Canada. The 'Canso' is owned by Catalina Aircraft Limited but operated by Plane Sailing Air Displays Limited. More information can be found in this (Dutch) blog: <https://tiny.cc/GPBYA> (Lelystad, 22 August 2019, Berend Jan Floor)

24. OY-GPS	P68	Bio Flight	
25. D-HGVB	R44	Rotavisie	29
26. D-106	CH-47D	298sq	Grizzly01
	OY-GPS	P68	BIO02
	OY-SYS	P68TC	BIO08
28. PH-WTG	EC135 P2+	HeliCentre	del
29. 2-DARE	PC-12/47E	Brightling Services	arr
	N500RW	TBM-850	
30. N2ZN	Beech B90	Bernier	dep
31. G-OAJS	PA-39	Mark Carlyle Bellamy	01
	OY-MPV	PA-46-600TP	MPV Management

The Bell on the 4th made a fuelstop on its way from Fair-oaks to Wilhelmshaven. The Global on the 7th departed after a repaint. The Beech on the 14h also stopped by for some fuel. Both L-12A aircraft on the 17th were related to the Flying Heroes event. Both performed a fly-by on the 18th. While the first aircraft continued to its home base in Belgium, the second aircraft landed to drop of some passengers before departing back to Germany. The Piper on the 20th has recently been sold. It is assumed it stopped at Lelystad while on a delivery flight to its new owner. HeliCentre took delivery of a new fleet addition on the 28th. The Beech on the 30th finally departed after a lengthy maintenance period. The aircraft had arrived for maintenance on 28 August 2018.

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

**Volkel**

			August 2019
01. J-003	F-16AM	312sq (nmks)	arr NAF313
02. D-661	CH-47D	298sq	*Viking03
05. T-235	KDC-10	334sq	2x *NAF41
07. E107/705-UD	Alpha Jet E	EAC00.314	*FAF6442
	E148/705-LU	Alpha Jet E	*FAF6441
08. T-264	KDC-10	334sq	*NAF41
14. G-275	C-130H-30	336sq	*NAF71
	J-062	F-16AM	dep
	J-882	F-16BM	arr Tiger01
16. S-453	AS532U2	300sq	*NAF454-formation
	S-454	AS532U2	*NAF454-formation
20. MM55131	TF-2000A	18°Gr/73°St	22 IAM3718
	MM7329	F-2000A	22 IAM3701
	84-0085	C-21A	Falcon22
22. Q-16	AH-64DN	301sq	*Redskin13
	Q-18	AH-64DN	*Redskin14
29. J-065	F-16BM	322sq	Killer4/Mof001
30. Q-16	AH-64DN	301sq	*Redskin13

The August movements list of Volkel includes some nice foreign visitors. Two of four French Alpha Jets visiting Leeu-



Seen here is a Trapani-based two-seat Eurofighter from the 37° Stormo/18° Gruppo. MM55131/37-30 is the first of two duals operating with the 18 Gruppo. The unit can be recognised by the three stripes underneath the cockpit, the tail logo and tone down checkerboard. (Volkel, 22 August 2019, Jeroen Jonkers)

warden dropped in at Volkel prior to their nightstop. Next are two Trapani-based Eurofighters from the 37° Stormo/18° Gruppo, staying three days in order to train with local F-16s. Prior to the Italian arrival a USAF C-21A visited for about an hour. This type is not as commonly seen as two or three years ago however this classic Learjet model still soldiers on. On the local side J-003 arrived back from Portugal after some TLC and fresh repainting, a neighbouring KDC-10 made a training approach. Long term stored F-16AM J-062 departed Volkel by road towards Woensdrecht on the 14th to be restored into airworthy condition by LCW.

Credits: SGVolkel Message Board, Scramble MB.

## Woensdrecht

August 2019			
02. PH-PXZ	AW139	Nationale Politie	ZXP04
06. D-664	CH-47D	298sq	Grizzly61
J-135	F-16AM	322sq?	*Saw
J-509	F-16AM	322sq?	*Saw
07. G-275	C-130H-30	336sq	Bull21
LZ-AWW	A320-214	Myanmar Airways International	tst
PH-WIK	AS350B3	HeliAir	
08. D-663	CH-47D	298sq	*Ghost5
G-275	C-130H-30	336sq	Bull21
J-514	F-16AM	312/313sq	*Sting



This former Air Berlin Airbus served with Aigle Azur until the aircraft was flown to Woensdrecht early May 2019. When the airline filed for bankruptcy the aircraft owner DAE Capital registered the aircraft LZ-AWW. The A320 was caught on camera while performing a local test flight before being delivered to its new operator Myanmar Airways. (Woensdrecht, 7 August 2019, Johan Havelaar)

09. HZ-A3	A320-214	Alpha Star	dep	OE-XXV	R44	Heli & Co	
13. H46	A109BA	17sq/1w	*BAF317	PH-MBO	DA62	M. Boers	
E110/705-AH	Alpha Jet E	EAC00.314	*FAF6442	20. D-HOAE	H145	Wiking Helikopter Service	WHS2AE
E112/705-AO	Alpha Jet E	EAC00.314	*FAF6441	HB-SDM	DA42	Twin Star Aviation	
14. J-513	F-16AM	322sq	arr Cobra	N412MD	PC-12/47E	Rich Wood	23
J-882	F-16BM	312sq (nmks)	dep Tiger01	PH-CGC	Do228-212	Kustwacht	NCG01
OH-ATH	ATR72-212A	NoRRA	tst FIN8924	PH-HHB	H269D	Heli Holland Holding	
OH-ATM	ATR72-212A	NoRRA	arr FIN8923	21. D-HOAF	H145	Wiking Helikopter Service	WHS2AF
16. EC-NGB	A319-112	Vueling	dep VLG901P	N590D	O-2A	Postbellum Foundation	
19. D-667	CH-47D	298sq	arr Grizzly91	PH-DTS	DA42	Wings over Holland	
PH-PXZ	AW139	Nationale Politie	ZXP26	PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
YL-LDB	A321-211	SmartLynx	23 ART9971/2	22. N955SH	PA-46-350P	Strutt	
21. HZ-A11	ATR72-212A	Alpha Star	tst	PH-CGC	Do228-212	Kustwacht	NCG01
PH-XRA	B737-7K2	Transavia	23 TRA051/052	PH-KMR	GA-8	Stichting Ambulancevliegtuig	
23. OH-ATG	ATR72-212A	NoRRA	04 FIN8921/2	PH-PHY	H269C	Prince Helicopters	
OH-ATH	ATR72-212A	NoRRA	dep FIN8924	23. G-CBJZ	Gazelle HT Mk3	Karl Georg Theurer	
5B-DDA	Fokker 70	Tus Airways	13 CYF123/4	24. PH-OPA	SV-4B	Twin Wing Aerobatics	
26. Q-18	AH-64DN	301sq	*Redskin13	PH-PXY	AW139	Nationale Politie	NCG04
D-ANEO	A319-153N(X)	K5-Aviation	arr	25. PH-SLO	S.11-1	René Sloots	
OO-SFP	A330-343	Brussels Airlines (EWG c/s)	13	27. PH-DKI	P68C	Zeeland Air	
SU-NMA	A320-232	Nesma Airlines	04 NMA9900/4400	PH-DTS	DA42	Wings over Holland	
28. Q-19	AH-64DN	301sq	*Redskin13	29. N417RK	PA-46-350P	Marco van der Horst	
29. D-101	CH-47D	298sq	tst Grizzly92	PH-CGC	Do228-212	Kustwacht	NCG01
30. D-101	CH-47D	298sq	tst Grizzly92	30. PH-CGC	Do228-212	Kustwacht	NCG01
J-144	F-16AM	322sq	*Killer01				
V-11	G-IV	334sq	*NAF61				
HZ-A11	ATR72-212A	Alpha Star	tst	01. H27	A109BA	17sq/1w	July 2019
				03. PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	BAF317

The Bulgarian A320 on 7 August is former Aigle Azur F-HBIO, being prepared for a new career in South East Asia. A former Rossiya A319 was delivered to Vueling on 16 August and on 26 August former Lufthansa A330-300 D-AIKG arrived for cabin-configuration. The K5 Aviation ACJ on that same day arrived for cabin-configuration.

Credits: Johan Havelaar, Scramble MB.

## Texel

June 2019			
01. D-FPOL	PC-12/47E	Diepol	
PH-CGC	Do228-212	Kustwacht	NCG01
PH-ECD	EC120B	Heli Holland Holding	
04. 2-ZEuz	Beech C90A	Zeusch aviation	
05. D-666	CH-47D	298sq	VIKING3
PH-DTS	DA42	Wings over Holland	
07. PH-PXY	AW139	Nationale Politie	ZXP25
09. D-HOPP	Bel 206A	Rotorflug	
PH-CGC	Do228-212	Kustwacht	NCG01
12. PH-PXE	EC135P2+	Nationale Politie	ZXP05
PH-WRW	EC120B	Heli Holland Holding	
13. PH-PXY	AW139	Nationale Politie	NCG04
14. PH-TAK	DA42	Happy Landings	
16. OO-NLT	PC-12/47E	Aerocon	
19. D-663	CH-47D	298sq	GRIZZLY01



PC-12 HB-FRY was delivered to Germany in May 2019 as D-FPOL. The Pilatus is owned by Diepol GmbH a company operating in international transport logistics sector. (Texel, 1 June 2019, Mike de Bruijn)

04.N13FY	AT-6A	Hanno Wesdorp		22.PH-PXY	AW139	Nationale Politie	ZXP25
07.2-ZEUZ	Beech C90A	Zeusch aviation		23.I-MAKE	H145	Wiking Helikopter Service	WHS2KE
PH-DKI	P68C	Zeeland Air		N748D	Beech 76	Ö. Satir	
PH-HHJ	AS355F2	Heli Holland Holding		N955SH	PA-46-350P	Strutt	
PH-WRW	EC120B	Heli Holland Holding		24.ST41	SF260D	CC Air	BAF195
08.2-ZEUZ	Beech C90A	Zeusch aviation		D-102	CH-47D	298sq	GRIZZLY53
09.2-PROF	R66	HT Flight	10	PH-HVB	EC135T2+	ANWB - MAA	*Lifeline01
D-HANS	R44	Heli & Co		PH-PXY	AW139	Nationale Politie	ZXP25
PH-RIW	R44	Riwald Recycling		29.H46	A109BA	17sq/1w	BAF317
10.PH-KIO	P2006T	Kavel 10	11	HB-OCF	L-4H	Georg Heinrich Schlatter	30
11.PH-PXA	EC135P2+	Nationale Politie	ZXP01	30.N111DV	PA-46-350P	D. Visser	arr
PH-RIW	R44	Riwald Recycling	2x	PH-CGN	Do228-212	Kustwacht	NCG01
12.PH-WRW	EC120B	Heli Holland Holding		PH-PXY	AW139	Nationale Politie	ZXP25
13.PH-CGC	Do228-212	Kustwacht	NCG01				
PH-DTS	DA42	Wings over Holland					
15.PH-DKI	P68C	Zeeland Air	17				
16.PH-PXY	AW139	Nationale Politie	NCG04				
17.L-10	PC-7	131EMVOsq	DIAM06				
N748D	Beech 76	Ö. Satir					
PH-DKI	P68C	Zeeland Air					
PH-RBC	EC120B	HeliAir					
PH-TAK	DA42	Happy Landings					
18.PH-DTS	DA42	Wings over Holland					
PH-PXY	AW139	Nationale Politie	NCG04				
19.D-HOAF	H145	Wiking Helikopter Service	WHS2AF				
PH-CGC	Do228-212	Kustwacht	NCG01				
20.D-HOAG	H145	Wiking Helikopter Service	WHS2AG				
PH-FVD	R44	Rotarywings					
21.N13FY	AT-6A	Hanno Wesdorp					
PH-TWN	P2006T	Zelf Vliegen					
PH-VCC	DA62	Cav-Okay					

Credit: Texel Airport.

### Twente

August 2019			
01.OE-FPP	Ce510	GlobeAir	GAC229L/118L
02.G-MAKN	PC-12/47E	RavenAir	dep
M-IFFY	Ce510	XEAD Aviation	
04.CS-PHE	EMB505	NetJets Europe	NJE520U/638Q
06.D-664	CH-47D	298sq	GRIZZLY61
07.PH-HGT	Ce680+	Exxaero	dep XRO338
09.D-CHRA	Ce525C	E-Aviation	EFD4A
PH-MDG	Ce680+	Exxaero	XRO346
OE-FZA	Ce510	GlobeAir	GAC118M/421C
15.PH-HGT	Ce680+	Exxaero	26 XRO117/503
PH-MDG	Ce680+	Exxaero	XRO178
19.OO-SFY	A330-223	Brussels Airlines	arr BEL9901
29.CS-DXS	Ce560XLS	NetJets Europe	NJE933L/454C



Robinson R66 2-PROF was registered in April 2019. The owner is a company called HT Flight. (Texel, 9 July 2019, Mike de Bruijn)

The helicopter on the 6th landed near the former terminal. On the 19th an Airbus previously operated by Brussels Airlines arrived for disposal by AELS.

Credit: EHTW spotters.

### Flamingo (Bonaire, Dutch Caribbean)

August 2019			
01. N31ZV	Lj31A	EZAir International	31
N901AM	PA-31		07
PH-CGB	DHC-8-106	Caribbean Coast Guard	
02. HI1052	ERJ145ER	Sky High Aviation	
03. HK-4973	EMB120RT	SARPA	04
N471GG	G-IIB		15
05. N2333K	CeU206G		
06. HI1024	ERJ145MP	Sky High Aviation	
08. HK-5255	Lj45	SARPA	18
09. HI1052	ERJ145ER	Sky High Aviation	
10. HK-5013	EMB120RT	SARPA	11
13. HI1007	Beech 1900D	Sky High Aviation	
HI1017	Beech 1900D	Sky High Aviation	
16. HI1007	Beech 1900D	Sky High Aviation	
HI1017	Beech 1900D	Sky High Aviation	
20. HI1024	ERJ145MP	Sky High Aviation	
22. PJ-IKA	PA-31-350		
23. HI1024	ERJ145MP	Sky High Aviation	
HK-4411	BAe3201	SARPA	
N516MC	G400	Talon Air	
24. HK-5255	Lj45	SARPA	25
25. N2333K	CeU206G		
29. N777YY	Lj60	Aerotrust Services Corp.	
30. HI1024	ERJ145MP	Sky High Aviation	
N35BG	Lj35A	Spoiler Group	
PH-CGA	DHC-8-106	Caribbean Coast Guard	31
31. HK-4411	BAe3201	SARPA	
HK-5255	Lj45	SARPA	

#### Air Antilles Express:

F-GPYF	01 <sup>2</sup> , 12 <sup>2</sup> , 24 <sup>2</sup> , 26 <sup>2</sup> , 29 <sup>2</sup> , 31 <sup>2</sup>
F-OIXD	02 <sup>2</sup> , 04 <sup>2</sup> , 06 <sup>2</sup> , 14 <sup>2</sup> , 16 <sup>2</sup> , 18 <sup>2</sup> , 20 <sup>2</sup>
F-OIXE	08 <sup>2</sup> , 10 <sup>2</sup> , 23 <sup>2</sup> , 27 <sup>2</sup> , 28 <sup>2</sup>
F-OIXH	01, 03 <sup>2</sup> , 07 <sup>2</sup> , 11 <sup>2</sup> , 13 <sup>2</sup> , 15 <sup>2</sup> , 17 <sup>2</sup>

F-OIXH	19 <sup>2</sup> , 21 <sup>2</sup> , 22 <sup>2</sup> , 30 <sup>2</sup>
F-OIXO	09 <sup>2</sup> , 25 <sup>2</sup>

#### American:

N3014R	12	N9010R	16
N8009T	03, 05	N9022G	09, 28
N8027D	19	N9026C	21
N8030F	10, 31	N9029F	02, 24
N8031M	23	N70020	14, 17, 26
N9004F	30	N93003	07

#### Aruba Airlines:

C-FXLH	01, 03, 04, 06, 08, 10, 11, 13, 15, 17, 18, 20, 22, 24, 25, 27, 31
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#### Delta:

N692DL	31	N6704Z	03
N698DL	17	N6709	24
N841DN	11	N67171	10
N850DN	04		

#### TUI Airlines:

PH-TFK	09, 16, 23, 30	PH-TFM	01, 03, 13, 15, 17, 27, 29, 31
PH-TFL	02, 06, 08, 10, 20, 22, 24		

#### United:

N14230	31 <sup>2</sup>	N33294	03
N18243	10	N36447	24 <sup>2</sup>
N26208	17 <sup>2</sup>	N73259	10 <sup>2</sup>
N33209	03 <sup>2</sup>	N76516	17

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.

A good start with a Gulfstream 2 arriving from Cozumel on the 3rd and leaving after two weeks to Tocumen. Unfortunately that was also already the highlight of August, as most others were more regular visitors. Due to the approaching hurricane season, Delta and United had less flights from the second half of the month.

Credit: Danny de Kiewit.



This Hughes 369E began its German career with Helicopter Service Augsburg. A company called VP Business Consult was the second user of the helicopter. D-HIKE is currently in use with S.P. Luftbild and was photographed while attending the Dutch Heli Day 2019 south-west of Stroe village. The helicopter began its career in the USA and ended up in Germany via Australia. (Stroe, 3 August 2019, Remco de Wit)

# Aviation Day

## Saturday 30 November 2019

# AVIATION DAY

# 19



The Dutch Aviation Society is proud to announce the ninth edition of the Scramble Aviation Day. The Aviation Day is THE aviation event during the dull winter months. It will feature the Scramble Air Fete and the National Spotters Championships (NSK).

### Aviation Day

A unique happening this time, two Aviation Days in the same year! On 5 January 2019 year we hosted the Aviation Day at Skydeck for the very first time, and since we received very positive feedback on the location (an aircraft museum with very interesting aircraft, which can be moved if we so desire) we are going back there again! This time it will take place on 30 November.

### National Spotting Championships (NSK)

In 2019, the National Spotters Championships (NSK) will be organised for the thirtieth time. Responsible for organising the NSK is Aviation Group Leeuwarden, winners of last years edition. During the NSK, various teams will battle for the highly coveted trophy.

### Air Fete

The Scramble Aviation Day 2019 will feature the ninth edition of the Air Fete where you can buy, sell and trade all kinds of aviation-related items. This year, like last year, visitors will have more time to visit the Air Fete as the NSK will start at 13:00 once again.

Tables measuring 70x220cm are available for €22,50. For reservations please contact [airfete@scramble.nl](mailto:airfete@scramble.nl). You can also indicate if you would like a prepacked lunch, which is available for €7,50.

Visit the event to test your knowledge, buy new aviation-related items or just socialise with old and new friends.

**There is no entrance fee!**

### Timetable

Air Fete	10:00 - 17:00
NSK	13:00 - 17:45
Award ceremony	18:15 - 18:45

### Contact details

Skydeck Teuge Airport  
De Zanden 167  
7395 PG Teuge

+31(0)6 55 32 43 13

For details about the Aviation Day 2019: [www.scramble.nl/aviation-day](http://www.scramble.nl/aviation-day)

Reservations Air Fete tables: [airfete@scramble.nl](mailto:airfete@scramble.nl)

# Movements Belgium



This Falcon 900 was registered to K Club Investments until September 2018. N233KC was registered to MP Air that month. (The 'MP' seems to links to Michael Plymale.) The bizjet was being operated by TWC Aviation until that company became a wholly owned subsidiary of Landmark Aviation. Landmark Aviation in turn was acquired by Signature Flight Support in 2015. In 2017 Gama Aviation merged its US operations with Landmark Aviation. (Antwerp, 22 August 2019, Walter Van Brempt)

## Antwerp

			August 2019				
01. ST41	SF260D	CC Air		F-GJFA	Beech B200	Aero Sotravia	tst
CS-CHA	CL-350	NetJets Europe		LX-EAA	Lj45	Ducair	
N127QR	Beech 300LW	A. Ruijgrok	23	LX-JFR	PC-12/47E	Jetfly Aviation	
N650EC	ERJ145LR	Air Charters Europe	del	OO-GEE	PC-12/47E	Blue Sky Aviation	17
PH-PXF	EC135P2+	Nationale Politie		OO-HSA	AS355N	Heli Service Belgium	13
02. D-EPHK	PA-46-350P	T. Brox	f/v 04	OY-JJT	Beech C90XP	Cowi Aerial Survey	12
F-HJFP	PC-12/47E	Get1Jet		PH-DWA	ERJ145LR	Air Charters Europe	dep
03. CS-DXT	Ce560XLS	NetJets Europe		PH-TXA	Ce510	ASL	13
OO-STR	AS350B3	Stephex Stables		12. D-ICEE	Ce525	Spree Flug Luftfahrt	f/v
PH-LAU	Falcon 900EX	Exxaero		F-GJFA	Beech B200	Aero Sotravia	tst
04. D-CSCE	EMB505	Luxaviation Germany	05	G-LUBB	Ce525	Surrey Heli Charters	14
OO-GEE	PC-12/47E	Blue Sky Aviation	05	OE-FRM	Ce510	GlobeAir	
OO-IDE	Ce525	Air Service Liège	07	OE-FZC	Ce510	GlobeAir	13
OO-JOE	R44	J & G		OK-PCF	PC-12/47E	OK Aviation Wings	13
OO-PCN	PC-12/47E	EAPC		OO-HSA	AS355N	Heli Service Belgium	tst
OO-STR	AS350B3	Stephex Stables		OO-HSM	AS355F1	Heli Service Belgium	tst
PH-LAU	Falcon 900EX	Exxaero	05 2x	PH-PXD	EC135P2+	Nationale Politie	f/v
05. H36	A109BA	17sq/1w		13. H46	A109BA	17sq/1w	
D-CQAB	Lj45	Quick Air Jet Service		F-GJFA	Beech B200	Aero Sotravia	tst
ES-NSA	Saab 340B	Nyx Air		M-ARTY	PC-12/47E	Creston (UK)	
LX-JFF	PC-12/47E	Jetfly Aviation	f/v	OO-ACC	Ce525A	Air Service Liège	
OO-ACC	Ce525A	Air Service Liège	06	OO-GEE	PC-12/47E	Blue Sky Aviation	tst
OO-GEE	PC-12/47E	Blue Sky Aviation	09	OO-GLM	Ce680	Air Service Liège	
ST41	SF260D	CC Air		PH-KFA	DA42NG	KLS	
06. H46	A109BA	1w		PH-KFB	DA42NG	KLS	f/v
CS-PHL	EMB505	NetJets Europe		PH-TXA	Ce510	ASL	15
G-ENSX	R44	M. Duggan	f/v	14. F-GJFA	Beech B200	Aero Sotravia	tst
HB-LYY	Ce414A	Travel Work	f/v 08	F-HDBL	PC-12/47E	B & L-R	f/v 15
OE-FFB	Ce510	GlobeAir		HB-FWC	PC-12/47E	TAG Aviation	
OO-CFG	DA42	Cadimair		OO-RFF	R44	Heliventure FTO	
OO-HSM	AS355F1	Heli Service Belgium	tst	PH-KFA	DA42NG	KLS	
OO-JOE	R44	J & G		PH-KFB	DA42NG	KLS	
OO-RFF	R44	Heliventure FTO		15. CS-LTJ	Ce680A	NetJets Europe	
07. D-HBWH	Bo105S	Air Lloyd	12	F-GJFA	Beech B200	Aero Sotravia	tst
F-GJFA	Beech B200	Aero Sotravia	20	LX-JFW	PC-12/47E	Jetfly Aviation	16
OO-IDE	Ce525	Air Service Liège	14	OO-ACO	Ce510	Air Service Liège	16
08. CS-LTE	Ce680A	NetJets Europe	09	16. EC-GXJ	SA226TC	Flightline	28
D-HBWH	Bo105S	Air Lloyd	tst	F-GJFA	Beech B200	Aero Sotravia	tst
F-GJFA	Beech B200	Aero Sotravia	tst	I-GAUS	P68	AFOC Germany	20
OO-ACC	Ce525A	Air Service Liège	12	OO-ACO	Ce510	Air Service Liège	18
PH-CJM	Ce680	ASL		17. D-CMMP	EMB505	Luxaviation Germany	18
PH-KFA	DA42NG	KLS		F-GJFA	Beech B200	Aero Sotravia	tst
09. CS-DOL	Ce525B	Valair	f/v 10	OO-GEE	PC-12/47E	Blue Sky Aviation	20
D-HBWH	Bo105S	Air Lloyd	tst	OO-STR	AS350B3	Stephex Stables	
OO-GEE	PC-12/47E	Blue Sky Aviation	11	PH-HRK	P180	JetNetherlands	
OO-STR	AS350B3	Stephex Stables		PH-LAU	Falcon 900EX	Exxaero	18
10. D-CHIC	EMB505	Air Hamburg		18. F-GJFA	Beech B200	Aero Sotravia	tst
F-GJFA	Beech B200	Aero Sotravia	tst	I-VICC	P68B	Aeronike	20
F-HPIX	BN-2B-26	Pixair Survey		N60JM	PA-46-500TP		f/v
OO-STR	AS350B3	Stephex Stables		OK-AST	Ce560XL	Air Bohemia	19
11. D-IAAY	EMB500	Arcus Air		OK-PCC	PC-12/47E	T-Air	19
				PH-LAU	Falcon 900EX	Exxaero	20
				PH-LAW	CeT310R	AFOC Germany	23

19. CH01	C-130H	20sq	OE-GKW	G100	Tyrol Air Ambulance	
	D-IFFF	Air Taxi Europe	28. H29	A109BA	1w	
	OO-ACO	Air Service Liège		CS-DXG	NetJets Europe	29
	OO-HCE	Heli & Co		D-IAAW	Arcus Air	
	OO-JOE	J & G	20	M-BETS	Aldersey Aviation	29
20. ST42	SF260D	CC Air		29. ST46	CC Air	
	DA42	We-Fly	24	CS-DXH	NetJets Europe	
	I-CRFX	Sirio		D-FALK	Business Wings	30
	M-ARTY	Creston (UK)	21	D-GEWF	We-Fly	31
	OO-GEE	Blue Sky Aviation	22	OK-AST	Air Bohemia	
	OO-HCE	Heli & Co	21	OK-SLX	Silesia Air	30
	OO-HSM	Heli Service Belgium	tst	OK-UGJ	Travel Service	30
	OO-IDE	Air Service Liège	22	OO-GEE	Blue Sky Aviation	01
21. H28	A109BA	17sq/1w		OO-HSM	Heli Service Belgium	tst
	CS-LTK	NetJets Europe		OO-RFF	Heliventure FTO	30
	F-HLLE	L. Leeman	f/v arr	PH-TXA	ASL	30
	OK-PTT	Air Bohemia	23	30. D-INCS	Bizair Flug	
	OO-HCE	Heli & Co		HA-KAR	Jet Stream	f/v
	SE-RNR	European Flight Service		I-VICC	Aeronike	09
22. D-HBWH	Bo105S	Air Lloyd	23	LX-LAR	Ducair	
	HB-GLB	Swiss Flight Services	23	N284SE	Flying Group	
	HB-LUN	Swiss Flight Services	23	N616CM	Kilo Aviation	
	M-ARTY	Creston (UK)		OK-AST	Air Bohemia	31
	N233KC	TWC Aviation	f/v 25	PH-LAW	AFOC Germany	
	OO-GEE	Blue Sky Aviation	29	PH-TXA	ASL	31
	OO-WEG	Luxaviation Belgium		31. D-GEWF	DA42	01
	PH-PXC	Nationale Politie		F-PCOR	G. Valvekens	
	PH-PXD	Nationale Politie		G-BWVZ	D. Campion	
	PH-TXA	ASL	23	HB-LUZ	Swiss Flight Services	02
23. D-CAWX	Ce680+	Aerowest Flugcharter		YU-BTB	Ce550 Bravo	
	D-CDAS	DAS Private Jets	24		Air Pink	
	D-ICCC	Air Taxi Europe				
	EI-LCM	Geo Power	25			
	F-GGGA	Valljet	f/v			
	G-ZNTJ	Zenith Aviation				
	PH-CJM	ASL				
24. 9H-VCB	CL-350	VistaJet Malta	f/v			
	F-GGGA	Valljet				
	HB-FOZ	Swiss Flight Services	25			
	N690CC	Geofly	f/v			
25. 9H-VCM	CL-350	VistaJet Malta				
	OE-FZA	GlobeAir	26			
	OO-HSM	Heli Service Belgium	tst			
26. D-CQAB	Lj45	Quick Air Jet Service				
	I-VICC	Aeronike	27			
	LX-ONE	Ducair	f/v			
	N63DR	E. Rossillon				
	OK-PCC	T-Air	27			
	OO-AFJ	F. Vuylsteke	03			
	PH-RBC	HeliAir				
27. D-ITRA	Ce525	Transavia				
	HB-LUN	Swiss Flight Services	28			

Air Charters Europe received their first Embraer 145 on the 1st. The aircraft operated its first flight as PH-DWA on the 11th. The French helicopter on the 21st is a new resident.

Credits: ASA Belgium vzw, Luchtzak.be forum.

## Brussels

Addition			June 2019
23. D-ASTX	A319-112	Eurowings	arr BEL6950

This one slipped between our fingers. The Airbus has been leased to Brussels Airlines and mostly operates the Hamburg route.

			August 2019
01. YL-LDB	A321-211	TUI Belgium	dep JAF340P
02. SP-LWE	B737-8Q8	LOT	f/v LOT235/6
03. D-CHIC	EMB505	Air Hamburg	04 AHO261X/272B
	LY-KEA	GetJet Airlines	ICE554/5
04. D-BOOC	Ce750	Air X Charter	AXG426/7
	D-BOOC	Air X Charter	06 AXG428/605
	LX-JFS	Jetfly Aviation	05
	PH-LAU	Exxaero	XRO252
05. 9H-AMY	Falcon 900EX	Air X Charter	dep



This former Germania A319 was withdrawn from use in January 2019. Hi Fly Malta acquired the Airbus in April 2019 and registered the aircraft 9H-XFW due to the fact that it is one of three aircraft tasked to operate the Airbus corporate flights. (Brussels, 16 August 2019, Yves Deliens)



Previously with Air France as F-GNII this Airbus A340 was added to the Plus Ultra fleet in mid 2017 as EC-MQM. (Brussels, 22 August 2019, Steven Picalausa)

9H-VBG	Global 5000	TAG Aviation Malta		19.9H-VFD	CL-605	VistaJet Malta	arr
B-3999	B737-79L	Beijing Airlines	BJN99	CS-LTF	Ce680A	NetJets Europe	20 NJE684A/932Y
D-FKAI	PC-12/47	Kaiser		G-JMCR	B737-4Q8(F)	West Atlantic	arr BCS6012
N20G	G450	Goodyear Tire & Rubber		N2016A	Falcon 7X	Executive Jet Management	arr
06.SX-KAT	A320-232	Orange2fly	OTF2310/1	OE-WWF	Ce510	GlobeAir	20 GAC722P/062V
07.LZ-DEO	MD-82	ALK Airlines/Air Lubo	LZB407/8	OO-SFY	A330-223	Brussels Airlines	dep BEL9901
SX-KAT	A320-232	Orange2fly	OTF3310/1	OY-RUE	MD-83	Danish Air Transport	DAT2592/0946
08.9H-CGH	Falcon 50EX	Elit'Avia Malta	09	20.LY-BGS	B737-3L9	KlasJet	20 JAF1112/641F
D-CWAY	Lj55	MHS Aviation		LY-OWL	A320-232	TUI fly Netherlands	TFL997P/2341
G-SRBM	Beech 350i	Xclusive Jet Charter	XJC4	SX-KAT	A320-232	Orange2fly	OTF2310/1
LN-AWD	Beech 350	Airwing	dep	21.LY-JAY	A319-111	GetJet Airlines (a/w)	f/v LOT235/6
OH-JEM	PC-12/47E	Hendell Aviation		OY-JRK	A320-231	Danish Air Transport	JAF941F/2941
SP-LNN	ERJ195AR	LOT	f/v LOT235/6	OY-JRK	A320-231	Danish Air Transport	JAF2942/942F
09.9H-PGS	A340-642	Maleth-Aero	10 TFL091F/JAF1751	SX-KAT	A320-232	Orange2fly	OTF3310/1
D-CMDH	Ce680	E-Aviation	arr	22.EC-MQM	A340-313X	Plus Ultra	JAF751F/1751
EC-LZO	B767-35DER	Privilege Style	10 JAF75P/1753	F-GZTB	B737-33VQC	ASL Airlines France	
LN-AWD	Beech 350	Airwing	dep	23.EC-MQM	A340-313X	Plus Ultra	JAF1752/752F
YL-CSK	A220-300	airBaltic	BTI601/2	24.LY-BGS	B737-3L9	KlasJet	AAF710P/JAF6CY
10.9H-PGS	A340-642	Maleth-Aero	11 JAF1752/7081	LY-BGS	B737-3L9	KlasJet	25 JAF3562/1111
D-CFIV	Lj35A	Air Alliance	AYY118	LY-FOX	A320-214	GetJet Airlines	AMC420/1
EC-LZO	B767-35DER	Privilege Style	11 JAF1753/2641	25.9H-PGS	A340-642	Maleth-Aero	26 AAF522F/JAF1751
11.9H-PGS	A340-642	Maleth-Aero	12 JAF1082/708P	LY-BGS	B737-3L9	KlasJet	arr JAF1112
12.09-0540	C-40C	73rd AS	arr	26.9H-PGS	A340-642	Maleth-Aero	27 JAF1752/752F
CS-LTG	Ce680A	NetJets Europe	NJE14Q/385T	OY-RUT	MD-82	Danish Air Transport	dep JAF1411
EC-LZO	B767-35DER	Privilege Style	JAF2642/642P	OY-RUT	MD-82	Danish Air Transp.	27 JAF1412/2181
N604GF	CL-604	TVPX ARS	arr	XA-CHR	G550	Operadora de Vuelos Ejecutivos	arr
PH-TCN	P180	JetNetherlands		27 F-HJLP	EMB550	Air TNB	LWG1571/2
13.D-CITA	LJ60	FAI Rent-A-Jet		OM-GTH	B737-8BK	Corendon Airlines	f/v CAI221/2
F-HEXR	Falcon 7X	Exair	DSO30XR	OY-RUT	MD-82	Danish Air Transport	arr JAF2182
I-CRFX	ERJ135BJ	Sirio	14 SIO410	SX-KAT	A320-232	Orange2fly	OTF2310/1
I-GURU	Lj40	Avionord	VND4127/8	28.LY-BGS	B737-3L9	KlasJet	30 JAF581/2581
N712CK	B747-4B5F	Kalitta Air	CKS977/8	SX-KAT	A320-232	Orange2fly	OTF3310/1
OY-JRK	A320-231	Danish Air Transport	DTR946/2591	29.N712CK	B747-4B5F	Kalitta Air	CKS977/8
SX-KAT	A320-232	Orange2fly	OTF2310/1	30.EK32008	A320-211	Atlantis European Airways	TAR788/9
14.0019/F-RBAG	A400M	ET01.061		31.F-HJLP	EMB550	Air TNB	31 LWG1571/91
9H-CGH	Falcon 50EX	Elit'Avia Malta	dep	LX-RSQ	Lj45XR	Luxembourg Air Ambulance	arr
CS-DGW	Ce525B	Valair		LY-BGS	B737-3L9	KlasJet	JAF2582/3561
D-CFTG	Lj35A	Quick Air		LY-BGS	B737-3L9	KlasJet	01 JAF3562/0562
D-CJPG	Lj35A	Quick Air		OE-FFB	Ce510	GlobeAir	01 GAC875K/309F
LX-NMX	Ce525B	Jetfly Aviation					
LY-FOX	A320-214	GetJet Airlines	f/v AMC420/1				
N400J	G650ER	Johnson & Johnson	dep				
PH-BBJ	Ce560XLS+	ASL					
SP-LUA	B737-79P	LOT (BMS c/s)	f/v LOT233/4				
SX-KAT	A320-232	Orange2fly	OTF3310/1				
15.9H-XFW	A319-112	Hi Fly Malta	16 HFM231P/232P				
16.CS-PHL	EMB505	NetJets Europe	NJE776Q/450E				
D-CFIV	Lj35A	Air Alliance	AYY118				
D-CTWO	Lj35A	Air Alliance					
F-HAHA	Ce510	Ixair	IXR116A				
LX-LAR	Lj45	Luxemb. Air Rescue					
LY-BGS	B737-3L9	KlasJet	17 JAF411F/1411				
N400J	G650ER	Johnson & Johnson	arr				
SP-ENX	B737-8Q8	Enter Air	ENT59HY/5LD				
VP-CLH	G650ER	JABJ (Hong Kong)	arr				
17.EC-HDS	B757-256	Privilege Style	ICE554/5	01.CH04	C-130H	20sq	*
LY-BGS	B737-3L9	KlasJet	18 JAF1412/1111	05.CH05	C-130H	20sq	*
				H21	A109BA	17sq/1w	*

The GetJet Airlines Airbus on the 3rd was leased to Icelandair since late June 2019. Since early September it has been leased to TUI Belgium. The Kalitta Jumbo on the 13th had a small JAL sticker near its front door on the left side. The LOT Boeing 737 on the 14th is still in full Blue Air colours. Enter Air transported FC Antwerp back to Belgium on the 16th after their football game against Viktoria Pilzen. On the 19th a Brussels Airlines Airbus was ferried to Twente for disposal.

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

### Kleine Brogel

August 2019

06.CH01	C-130H	20sq	*	G-ONAA	OV-10B	Bronco Demo Team	*
07.ST41	SF260D	CC Air (grey c/s)	*	26.CH11	C-130H	20sq (D-Day mks)	*
08.CH07	C-130H	20sq	*	FA110	F-16AM	10w	2x *
12.CH07	C-130H	20sq	*	H29	A109BA	17sq/1w (demo mks)	*
FA101	F-16AM	2w (demo c/s)	*	277	AW139	301sq	*
FB18	F-16BM	2w	*	27.FA101	F-16AM	2w (demo c/s)	29
13.CH11	C-130H	20sq (special c/s)	*	ST06	SF260M+	CC Air (Red Devils c/s)	29
19.CH01	C-130H	20sq	*	ST16	SF260M+	CC Air (Red Devils c/s)	28
Q-16	AH-64DN	301sq	*	ST31	SF260M+	CC Air (Red Devils c/s)	
20.CH04	C-130H	20sq	*	ST34	SF260M+	CC Air (Red Devils c/s)	
CH07	C-130H	20sq	*	ST35	SF260M+	CC Air (Red Devils c/s)	28
84-0085	C-21A	76th AS	*	ST42	SF260D	CC Air	2x *
21.H28	A109BA	17sq/1w	*	28.FA83	F-16AM	2w	*
Q-16	AH-64DN	301sq	*	FA91	F-16AM	2w	*
23.Q-16	AH-64DN	301sq	*	FA124	F-16AM	10w (D-Day mks)	
26.10-0217	C-17A	62nd AW	*	ST16	SF260M+	CC Air (Red Devils c/s)	
28.J-008	F-16AM	313sq mks	*	ST31	SF260M+	CC Air (Red Devils c/s)	
J-013	F-16AM	322sq mks	*	ST34	SF260M+	CC Air (Red Devils c/s)	
J-017	F-16AM	312sq mks	*	ST35	SF260M+	CC Air (Red Devils c/s)	
J-020	F-16AM	322sq mks	*	ST43	SF260D	CC Air	29
J-021	F-16AM	322sq mks	*	ST46	SF260D	CC Air	
J-515	F-16AM	312/313sq	*	272	B-Hunter	80UAVsq	arr
29.FA101	F-16AM	2w (demo c/s)	*	273	B-Hunter	80UAVsq	arr
ST46	SF260D	CC Air (grey c/s)	*	274	B-Hunter	80UAVsq	arr
30.FA97	F-16AM	2w	*	29.FA119	F-16AM	10w	*
FA109	F-16AM	2w	*	279	AW139	301sq	*
				30.FA110	F-16AM	10w	*

It flew out of Kleine Brogel during the national holiday, and during the rehearsal on 10 July.

Credits: Mathias Bijmens, Rik Brebels, Toon Cox, Quinn Loots.

### Koksijde

August 2019			
02.FB23	F-16BM	10w/OCU	*
05.D-664	CH-47D	298sq	*
06.G04	Ce182RG	Federal Police	*
H46	A109BA	17sq/1w	
07.FA110	F-16AM	10w	2x *
G14	MD520N	Federal Police	*
ST46	SF260D	CC Air	*
09.FB15	F-16BM	10w/OCU	2x *
13.FB15	F-16BM	10w/OCU	*
ST41	SF260D	CC Air	*
19.FA97	F-16AM	2w	*
H35	A109BA	17sq/1w	
20.CE02	ERJ135LR	21sq	2x
FA57	F-16AM	2w (D-Day mks)	*
FA121	F-16AM	2w	*
H22	A109BA	17sq/1w	
H35	A109BA	17sq/1w	
21.FA86	F-16AM	2w	2x *
H24	A109BA	17sq/1w (demo c/s)	
22.H24	A109BA	17sq/1w (demo c/s)	
LB01	L-21B	Air Cadets	
ST46	SF260D	CC Air	2x *
23.H38	A109BA	17sq/1w	

The Open Door at 28 August brought various Belgian Air Force hardware to Koksijde for static and dynamic displays.

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

### Liège

August 2019			
04.CS-DVS	EMB500	Valair	
05.OO-CEJ	Ce525	Air Service Liège	
RA-76951	IL-76TD-90	Volga-Dnepr	06 VDA2196/7
06.4K-AZ100	IL-76TD-90	Silk Way Airlines	arr AZQ4991
07.G-SMLA	BAe146-200	JOTA Aviation	ENZ659A/B
HB-FOW	PC-12/45	Future Wings	
OO-MAP	PC-24	European Aircraft Private Club	f/v 08
09.D-AOLH	Fokker 100	Avanti Air	ATV502H/009H
EC-LZO	B767-35DER	Privilege Style	JAF151F/1151
EC-LZO	B767-35DER	Privilege Style	JAF1152/075P
10.N451KR	G-IVSP	Worldwide Jet Charter	WWI111
12.UR-CZZ	An-12BP	Ukraine Air Alliance	arr UKL4043
13.G-JMCP	B737-3T0(F)	West Atlantic	NPT252H/3H
19.D-CUGF	Ce525B		20
20.CS-DOI	Ce525	Taespejo Portugal	arr TES302
N799JN	MD-11F	Western Global	f/v WGN188/CMB188
YL-LDC	A321-211	SmartLynx	JAF71P/2681
21.F-HITM	Beech 400A	Air ITM	
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1
YL-LDC	A321-211	SmartLynx	JAF2681/2892



This former Shenzhen Airlines Boeing 737 was added to the NewGen Airways fleet in August 2017. It was returned to its lessor in May 2019. Two months later it was leased to LOT as SP-LWE still in full NewGen colours to cope with the ongoing Boeing 737 MAX problems. (Brussels, 19 August 2019, Yannick van Praag)



This Airbus A320 was added to the Armavia fleet in 2003 registered as EK32008 (note: no hyphen). Since May 2014 it has been operated by Atlantis European Airways, legally known as Atlantis Armenian Airlines with the same registration. (Brussels, 30 August 2019, Steven Picalausa)

RA-82078	An-124-100	Volga-Dnepr	22 VDA2209/62	03.D-CASH	EMB505	Air Hamburg	
TC-COH	B737-8EH	Corendon Airl.	div f/v 22 CAI1383/4	N170EH	ERJ170LR	Honeywell	N170EHA/EHB
TF-AMA	B747-45E(F)	Astral Aviation	del ABD037P	04.N170EH	ERJ170LR	Honeywell	N170EHA/EHB
22.OO-ACE	B747-412(F)	ACE Belgium Freighters	arr FRH591	05.N170EH	ERJ170LR	Honeywell	N170EHA/EHB
23.F-HNAV	Beech 250	DGAC	*	PH-NNX	Ce750	ASL	07
26.277	AW139	301sq	arr	SP-TAT	Hawker 400XP	Smart Jet	08
279	AW139	301sq	tst IRL279	UR-WRM	A320-212	Windrose Aviation	WRC7771/2
27.277	AW139	301sq	tst	06.F-HINC	Lj75	Agroair	08
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1	LY-FLT	B737-522	Klasjet	f/v 07 KLJ6053/4
28.279	AW139	301sq	tst	N170EH	ERJ170LR	Honeywell	N170EHA/EHB
9H-VCF	CL-350	VistaJet Malta		07.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	
CS-DOF	CL-650	Jetcapital Aviation	01	EC-LRM	A320-232	Gowair (a/w)	f/v JAF722F/7222
D-CFHZ	EMB505	DAS Privat Jets		HB-XVY	AS332C1	Helog	08
D-CHIP	Ce525B	E-Aviation	29	LX-NEW	PC-12/47E	Jetfly Aviation	
EI-EIC	A320-216	Alitalia	AZA9002/3	N170EH	ERJ170LR	Honeywell	N170EHA/EHB
F-HITM	Beech 400A	Air ITM		UR-WRM	A320-212	Windrose Aviation	WRC7771/2
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1	09.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	arr
N18LS	CL-604	The Whitewind Co.	arr	CS-TRJ	A321-231	21sq	BAF630
N709EL	Beech 400A	Donington Aviation		D-HTAR	A109S	Heli Transair	
OE-FGB	Ce525A	Jet Pool Network	arr	LY-FLT	B737-522	Klasjet	KLJ6055/6
29.9H-VCJ	CL-350	VistaJet Malta		OO-PAR	Ce525B	Luxaviation Belgium	10 AAB770
CS-DVS	EMB500	Valair		PH-BBJ	Ce560XLS	Air Service Liège	
G-STWB	BAe125-750	Inuit Holdings		SE-DSZ	BAe146-RJ100	Braathens Regional	SCW9624/8614
HB-JGQ	CL-300	Premium Jet		11.N170EH	ERJ170LR	Honeywell	N170EHA/EHB
N18LS	CL-604	The Whitewind Co.		OY-RUT	MD-82	Dan. Air Transp.	opf TB171F/1171/2
N711LS	Global 6000	The Whitewind Co.	arr	SE-RJI	BAe146-RJ100	Braathens Region.	f/v SCW8615/9627
OE-FOE	Ce510	GlobeAir		12.9H-BOO	CL-850	Air X Charter	AXY1110/1209
OE-GDM	Ce560 Encore+	The Flying Bulls		M-RCCH	ERJ135BJ	Russian Copper Company	
OE-HPG	CL-300	Laudamotion Executive		N170EH	ERJ170LR	Honeywell	N170EHA/EHB
30.C-GLXM	Global XRS	Skyservice Business Aviation	01	OO-JWB	PC-12/47E	Nextgen Aviation	
OY-CLZ	ATR72-212A	Alsie Express		OO-SSC	A319-112	Brussels Airlines	BEL9933/1037
31.EC-NCJ	Ce560XLS+	Miguel Larranaga	01	13.N170EH	ERJ170LR	Honeywell	N170EHA/EHB
G-SONE	Ce525A	Centreline		OO-KTN	A109S	General Services Antwerp	2x
I-ARFX	ERJ135BJ	Sirio	SIO411	14.D-ILAT	Eclipse 550	Liebherr Aerospace	
N878SC	Global 6000	The Whitewind Co.	arr	G-XSMC	BAe125-800XPi	Xclusive Jet Charter	XJC855P/855
OE-HPG	CL-300	Laudamotion Executive	arr	N170EH	ERJ170LR	Honeywell	N170EHA/EHB
				OO-SSF	A319-112	Brussels Airlines	BEL1038/9934
				15.D-CURT	Lj31A	Air Alliance	
				17.CE02	ERJ135LR	21sq	
				OO-JWB	PC-12/47E	Nextgen Aviation	
				18.F-HASJ	Ce510	Astonjet	ASJ352
				OK-MNM	P2006T	F-Air	
				OO-PCM	PC-12/47E	EAPC	
				19.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	22
				OO-SSC	A319-112	Brussels Airlines	BEL9933/1061
				20.OO-JWB	PC-12/47E	Nextgen Aviation	21
				21.D-ICCC	CeF406	Air Taxi Europe	23 TWG200/100
				D-IFFF	CeF406	Air Taxi Europe	23 TWG244/144
				F-HNAV	Beech 200	ENAC	22
				OO-JWB	PC-12/47E	Nextgen Aviation	22
				OO-SSQ	A319-112	Brussels Airlines	BEL1062/9934
				OY-GDB	EMB195LR	Great Dane Airlines	f/v 23 GDE715/6
				22.D-ASBG	Falcon 900EX	Airservice Bremgarten	
				OO-PCK	PC-12/47E	EAPC	
				23.D-ITRA	Ce525	Transavia Fluggesellschaft	
				OO-PCI	PC-12/47E	EAPC	

Avanti Air operated a football charter on the 9th. The Smart-Lynx on the 20th was in basic Aeroflot colours. The Corendon Boeing on the 21st was a late evening Maastricht diversion. On the 22nd the sole ACE Belgium Freighters Jumbo returned to Liège in full colours.

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

## Ostend-Bruges

August 2019			
01.D-AOLH	Fokker 100	iDealtours	dep ATV004H
D-CHLR	EMB505	Aero-Dienst	02 ATL9K
D-IATE	CeF406	Air Taxi Europe	TWG211/111
N170EH	EMB170	Honeywell	N170EHA/EHB
02.D-AOLG	Fokker 100	Avanti Air	ATV802G/020G
139/ABS	TBM-700B	EAAT	FMY8036
N170EH	ERJ170LR	Honeywell	N170EHA/EHB
OO-VLS	Fokker 50	Air Antwerp	
VP-CNR	G650	Eiger Jet	



Emerging from the production line as G-6-144, this BAe146-100 has been around for a while now. Since March 2000 it has been operated by the Formula 1 - Flight Operations registered as G-OFOM. (Liège, 26 August 2019, Bart Massart)

PH-CJM	Ce680	ASL	
24.F-GPLK	Beech C90B	Jet Corporate	
N805TM	G650ER	Airflite	
25.M-ARTY	PC-12/47E	Creston (UK)	
N534QS	G550	NetJets	
26.9H-VFD	CL-605	Vistajet Malta	29
OE-FHK	Ce510	GlobeAir	
OO-CFW	PC-12/47E	Nextgen Aviation	
27.D-ASGK	A320-214	Sundair	SDR8120/827F
F-GRGP	ERJ135ER	Aero4M	28 AEH170F/171
OM-BLS	Ce560XL	Elite Jet	ELJ402/403
OO-JWB	PC-12/47E	Nextgen Aviation	29
28.D-ASGK	A320-214	Sundair	29 SDR838F/8833
ER-JAI	B747-412B(F)	Aerotrans Cargo	29 ATG4424/5
OE-GJM	Ce560XLS	Pink Sparrow	29
OO-CFW	PC-12/47E	Nextgen Aviation	
PH-DWA	ERJ145LI	Air Charters Europe	JNL107
29.OO-ACC	Ce525A	Air Service Liège	dep
30.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	
D-ICCC	CeF406	Air Taxi Europe	TWG200/100
F-GRGP	ERJ135LR	Aero4M	AEH172/231F
G-KARE	PC-12/47E	FlexiFly	
OE-FCB	Ce510	GlobeAir	GAC867V/756W
PH-DWA	ERJ145LR	Air Charters Europe	JNL107/856
31.HA-YFK	Beech 400	Jet-Stream	
M-ARTY	PC-12/47E	Creston (UK)	
OO-CFW	PC-12/47E	Nextgen Aviation	
YU-SCJ	Ce525	Prince Aviation	arr PNC9CJ

EgyptAir Cargo:  
SU-GCE 01,05,25

SU-GCJ 15,22

TUI Belgium:

OO-JAF 05<sup>2</sup>, 07

OO-JAU 18 – 31

OO-JEB 05,12,26

OO-JLO 11<sup>2</sup>, 26 – 31

OO-JOS 06

OO-JVA 19

OO-SRO 10 - 25

OO-TNB 01 - 10

OO-TUK 06, 31

OO-TUP 01 - 17

OO-TUV 31

OO-TUX 01 - 31

Avanti Air operated a football charter for AA Gent on the 2nd. Windrose operated a football charter for the Club Brugge-Dynamo Kiev game on the 5th. Klasjet operated a football charter for AA Gent on the 6th. The Windrose charter returned on the 7th. Brussels Airlines operated a football charter in relation to the Kiev-Club Brugge game on the 12th. A different Brussels Airlines aircraft operated the return flight on the 14th. For the Linz-Club Brugge football game on the 19th Brussels Airlines again operated a charter. That return flight was operated on the 21st. For the KAA Gent - Rijeka game Great Dane Airlines made a first appearance on that same day. Two days later the Dane returned. The Linz - Club Brugge charter was operated by Sundair on the 27th. Aero4M operated a charter for the Rijeka - KAA Gent game on the 27th. Air Charters Europe also operated a charter for the same football game the next day. Two more Rijeka - KAA Gent charters were being operated on the 30th. One was operated by Aero4M and a second was being operated by Air Charters Europe.

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



Initially employed in the USA this AS332C1 arrived in Europe in 1990. Since 2008 it is active with Heliswiss International registered as HB-XVY. (Ostend, 7 August 2019, Andre Deblauwe)

# Military Movements Elsewhere



An-72 RF-72964 is seen arriving on 20 August 2019 at Chkarlovskiy, an airfield which is north-east of Moscow.

## Germany

		July 2019	
Geilenkirchen			
03.041	Falcon 20ECM	717Skv	04 NOW717E
63-7993	KC-135R	121st ARW OH ANG	dep RCH645
08.041	Falcon 20ECM	717Skv	NOW717G
57-1461	KC-135R	173rd ARS NE ANG	26 RCH312
63-7991	KC-135R	173rd ARS NE ANG	26 RCH317
OO-TNP	B737-45BDSF	FedEx	TAY502P/5013
10.61-0275	KC-135R	191st ARS UT ANG	24 RCH832
11.84-00165	C-12U-3	E/1-214th AVN	* Duke31
15-20744	UH-60M	A/1-214th AVN	Duke13
12.S5-ACJ	ERJ145LR	Aero4M	TAY744P/5013
15.D-HEGY	AS332L1	Bundespolizei	* BPO22
18.D-HBPD	EC135P2	Polizei	*
25.59-1500	KC-135R	108th ARS IL ANG	RCH202
D-HVBW	EC135T2	Bundespolizei	* BPO140
29.OO-TNO	B737-49B(F)	ASL Airlines Belg.	2x TAY502P/5077
S5-ACJ	ER145LU	Aero4M	
4K-AZ101	IL-76TD-90	Silk Way Airlines	
30.84-00156	C-12U-3	E/1-214th AVN	* Duke89

		August 2019	
02.041	Falcon 20ECM	717Skv	NOW717B
053	Falcon 20ECM	717Skv	NOW717C
05.FB23	F-16BM	10w/OCU	* BAF501
100001	S100B	TSFE	OSY38T/OSY11T
58-0060	KC-135R	171st ARW PA ANG	16 RCH106/265
58-0074	KC-135R	171st ARW PA ANG	16 RCH553/347
07.FB23	F-16BM	10W	* BAF501
59-1500	KC-135R	108th ARS IL ANG	dep RCH202
D-CFMD	Beech 350	FCS	FCK211
08.62-3500	KC-135R	nmks(153rd ARS)	21 RCH935
95-00123	UC-35A1	E/1-214th AVN	Duke28
09.100001	S100B	TSFE	OSY11T/38T
13.D-HEGM	AS332L1	Bundespolizei	* BPO17
14.D-HEGM	AS332L1	Bundespolizei	* BPO107
15.44+58	Tornado IDS	TLG33	* BU11T
10-20245	UH-60M	A/1-214th AVN	Duke32
D-AOLH	Fokker 100	Avanti Air	2x TAY595/5015
D-HEGD	AS332L1	Bundespolizei	* BPO20
19.84-00156	C-12U-3	E/1-214th AVN	* Duke64
57-1428	KC-135R	151st ARS TN ANG	30 RCH606
57-1451	KC-135R	151st ARS TN ANG	30 RCH037
22.63-7992	KC-135R	nn	RCH697
27.D-HEGY	AS332L1	Bundespolizei	* BPO24
28.D-HEGY	AS332L1	Bundespolizei	* BPO24

F-GRGP	ERJ135ER	Aero4M	TAY786P
29.F-GRGP	ERJ135ER	Aero4M	TAY5015/5016
OO-TNO	B737-49R(F)	ASL Airlines Belg.	TAY502/5077
30.D-HLTF	EC155B	Bundespolizei	* BPO6

Credits: Rolf Flinzner, Scramble messageboard.

		August 2019	
Nürnberg			
01.84-00165	C-12U-3	E/1-214th AVN	Duke60
50+38	C-160D	LTG63	02
50+79	C-160D	LTG63	02
02.54+24	A400M	LTG62	GAF699
06.54+29	A400M	LTG62	GAF497
05-8156	C-130J-30	815th AS AFRC	Herky11
15-5831/RS	C-130J-30	37th AS	Herky12
08.93-26478	UH-60L	A/2-1st AVN	* Army26478
D-HECU	H-135M	Airbus	*
84+34	CH-53G	HSG64	*
79+31	NH90-TTH	THR30	*
12.76+04	H-145M	HSG64	* Hawk437
16-08467	CH-47F	B/2-1st AVN	* Army08467
90-26260	UH-60L	A/2-1st AVN	* Army26260
13.84-00156	C-12U-3	E/1-214th AVN	Duke62
84-00162	C-12U-3	E/1-214th AVN	Duke61
09-72108	UH-72A	JMRC	* Army72108
14.16-08466	CH-47F	B/2-1st AVN	* Army08466
LJ-2	Lj35A	TukiLLv	FNF273
15.84-00162	C-12U-3	E/1-214th AVN	Duke60
18.84-00165	C-12U-3	E/1-214th AVN	Duke85
20.97-00105	UC-35A	E/1-214th AVN	Duke28
21.10-20255	UH-60M	3-1st AVN	Army20255
22.13-08435	CH-47F	B/1-214th AVN	* Grit12
26.04-3142/RS	C-130J-30	37th AS	27 Herky793
27.09-72100	UH-72A	JMRC	* Army72100
28.84-00162	C-12U-3	E/1-214th AVN	Duke62
09-72107	UH-72A	JMRC	* Army72107

Credits: MAR, Scramble messageboard.

		August 2019	
Ramstein			
01.MM81871	HH-101A	15°St	dep IAM1510
95-0104	C-17A	155th AS TN ANG	dep RCH425
03-3115	C-17A	183rd AS MS ANG	RCH102/411
10-0214	C-17A	437th AW	02 RCH830
05-8156	C-130J-30	815th AS AFRC	dep Herky785
05-8158	C-130J-30	815th AS AFRC	dep Herky04
05-8158	C-130J-30	815th AS AFRC	02 Herky04/789
61-0292/D	KC-135R	351st ARS	dep Evac10E2
09-72100	UH-72A	JMRC	Army72100

02.03	C-17A	HAW	Bartok50	13.02	C-17A	HAW	Bartok26
0224	M-28TD	8.BLT	dep PLF115	00-0176	C-17A	155th AS TN ANG	14 RCH164
85-0003	C-5M	436th AW	dep RCH262	07-7184	C-17A	437th AW	RCH343/335
93-0601	C-17A	758th AS AFRC	03 RCH685/597	07-7189	C-17A	437th AW	14 RCH550/343
05-8156	C-130J-30	815th AS AFRC	05 Herky785/74	10-0213	C-17A	437th AW	14 RCH559
05-8158	C-130J-30	815th AS AFRC	07 Herky789/170	84-0209	C-130H	142ndAS DE ANG	15 RCH199/Herky797
03.05-5143	C-17A	89th AS AFRC	04 RCH269	96-26707	UH-60L	A/2-1st AVN	Army26707
06-6165	C-17A	436th AW	04 RCH646	10-20255	UH-60M	3-1st AVN	Army20255
07-7172	C-17A	60th AMW	04 RCH330	14.84-00162	C-12U-3	E/1-214th AVN	Duke31
07-7184	C-17A	437th AW	04 RCH210/108	01-0191	C-17A	436th AW	15 RCH303
10-0214	C-17A	437th AW	05 RCH830	03-3119	C-17A	183rd AS MS ANG	15 RCH248
61-2670/OF	OC-135B	55th Wg	04 OSY12T	05-5143	C-17A	89th AS AFRC	RCH445
04.96-0004	C-17A	62nd AW	05 RCH315	06-6158	C-17A	60th AMW	15 RCH494
06-6159	C-17A	60th AMW	05 RCH888	07-7185	C-17A	437th AW	15 RCH325
10-0219	C-17A	62nd AW	dep RCH455	07-7187	C-17A	437th AW	15 RCH323
10-0219	C-17A	62nd AW	05 RCH455/503	84-0208	C-130H	142ndAS DE ANG	16 RCH440/Herky31
09-0540	C-40C	73rd AS AFRC	Spar11	08-20164	HH-60M	C/2-1st AVN	Army20164
05.69-0024	C-5M	436th AW	RCH243	08-20168	HH-60M	C/2-1st AVN	Army20168
93-0601	C-17A	758th AS AFRC	RCH597/685	15.03-3116	C-17A	183rd AS MS ANG	16 RCH556
06-6156	C-17A	60th AMW	08 RCH984	05-5143	C-17A	89th AS AFRC	16 RCH445
07-7172	C-17A	60th AMW	07 RCH330	07-7187	C-17A	437th AW	17 RCH323
07-7184	C-17A	437th AW	RCH108/597	07-7189	C-17A	437th AW	RCH550
10-0214	C-17A	437th AW	06 RCH830	10-0213	C-17A	437th AW	16 RCH559
10-0219	C-17A	62nd AW	08 RCH503	08-20172	HH-60M	C/2-1st AVN	16 Army20172
10-0221	C-17A	437th AW	06 RCH247	16.ZZ174	C-17A	99sq	17 RRR6431
05-8156	C-130J-30	815th AS AFRC	06 Herky74/11	87-0045	C-5M	436th AW	17 RCH165
62-3551/D	KC-135R	351st ARS	06 Quid12	97-0042	C-17A	155th AS TN ANG	17 RCH466
06.85-0005	C-5M	436th AW	dep RCH422	07-7176	C-17A	436th AW	17 RCH210/797
98-0057	C-17A	137th AS NY ANG	07 RCH420	10-0214	C-17A	437th AW	17 RCH288/522
07-7184	C-17A	437th AW	07 RCH597	10-0221	C-17A	437th AW	17 RCH322
09-9211	C-17A	62nd AW	07 RCH217	01-0040	C-40B	1st AS	SAM618
10-0221	C-17A	437th AW	07 RCH247	93-26478	UH-60L	A/2-1st AVN	Army26478
62-3551/D	KC-135R	351st ARS	07 Quid12	17.86-0012	C-5M	337th AS AFRC	21 RCH426
07.79-1949	KC-10A	305th AMW	RCH469	86-0024	C-5M	60th AMW	18 RCH147
02-1106	C-17A	62nd AW	08 RCH290	86-0030	KC-10A	305th AMW	18 RCH344
03-3125	C-17A	305th AMW	08 RCH360	03-3116	C-17A	183rd AS MS ANG	19 RCH556/114
95-00123	UC-35A	E/1-214th AVN	Duke28	07-7172	C-17A	60th AMW	18 RCH320
62-3551/D	KC-135R	351st ARS	08 Quid12	07-7187	C-17A	437th AW	19 RCH323
08.ZZ172/172	C-17A	99sq	RRR6893	10-0214	C-17A	437th AW	RCH522
85-0005	C-5M	436th AW	09 RCH422	18.87-0045	C-5M	436th AW	19 RCH165
02-1099	C-17A	758th AS AFRC	09 RCH410	06-6159	C-17A	60th AMW	RCH233
02-1106	C-17A	62nd AW	09 RCH290	10-0221	C-17A	437th AW	19 RCH322
03-3117	C-17A	183rd AS MS ANG	RCH310/329	19.03	C-17A	HAW	Bartok51
03-3125	C-17A	305th AMW	09 RCH360	041/CG	A330-MRTT	GRV02.091	FAF9180
95-00123	UC-35A	E/1-214th AVN	Duke28	50+79	C-160D	LTG63	* GAF309
05-8156	C-130J-30	815th AS AFRC	Herky13	07-7184	C-17A	437th AW	20 RCH549/616
05-8158	C-130J-30	815th AS AFRC	10 Herky170/697	07-7185	C-17A	437th AW	21 RCH325
62-3551/D	KC-135R	351st ARS	Quid12	84-0208	C-130H	142nd AS DE ANG	20 Herky31/04
15-5195/HL	F-35A	4th FS	* Widow02	90-26266	UH-60L	A/2-1st AVN	Army26266
15-5200/HL	F-35A	421st FS	* Widow01	20.03	C-17A	HAW	21 Bartok51
90-26266	UH-60L	A/2-1st AVN	Army26266	85-0008	C-5M	436th AW	22 RCH981
90-26271	UH-60L	A/2-1st AVN	Army26271	01-0188	C-17A	137th AS NY ANG	21 RCH607
09.85-0007	C-5M	436th AW	10 RCH345	03-3116	C-17A	183rd AS MS ANG	22 RCH114
85-0008	C-5M	60th AMW	dep RCH107	07-7172	C-17A	60th AMW	21 RCH320
07-7184	C-17A	437th AW	12 RCH734/343	84-0208	C-130H	142ndAS DE ANG	21 Herky04/Jump43
08-8191	C-17A	437th AW	15 RCH343	90-26266	UH-60L	A/2-1st AVN	Army26266
09-9211	C-17A	62nd AW	10 RCH217	90-26300	UH-60L	A/2-1st AVN	Army26300
05-8156	C-130J-30	815th AS AFRC	10 Herky12/696	93-26478	UH-60L	A/2-1st AVN	Army26478
08-20168	HH-60M	C/2-1st AVN	Army20168	96-26707	UH-60L	A/2-1st AVN	Army26707
10-20281	UH-60M	3-1st AVN	Army20281	21.605	A319-112	MH 59. Sz.D. REB	HuAF145
10.97-0048	C-17A	89th AS AFRC	11 RCH211	79-0433	KC-10A	305th AMW	RCH104
00-0176	C-17A	155th AS TN ANG	11 RCH164	02-1111	C-17A	62nd AW	22 RCH316
03-3119	C-17A	183rd AS MS ANG	dep RCH310	07-7176	C-17A	436th AW	24 RCH797/451
03-3119	C-17A	183rd AS MS ANG	12 RCH310/248	84-0208	C-130H	142ndAS DE ANG	22 Jump43/Herky04
07-7189	C-17A	437th AW	11 RCH550	22.03	C-17A	HAW	24 Bartok51
88-4406	C-130H	357th AS AFRC	RCH705	01-0192	C-17A	137th AS NY ANG	27 RCH482
11.85-0007	C-5M	436th AW	12 RCH345	03-3115	C-17A	183rd AS MS ANG	23 RCH553
97-0048	C-17A	89th AS AFRC	12 RCH211	03-3120	C-17A	62nd AW	23 RCH332
06-6159	C-17A	60th AMW	12 RCH911	05-5143	C-17A	89th AS AFRC	23 RCH555
09-9212	C-17A	437th AW	12 Bandage37/RCH617	07-7174	C-17A	436th AW	27 RCH481
12.605	A319-112	MH 59. Sz.D. REB	HuAF143	07-7184	C-17A	437th AW	27 RCH451/411
02-1099	C-17A	758th AS AFRC	13 RCH410	10-0214	C-17A	437th AW	27 RCH374
93-1562	C-130H	158th AS GA ANG	13 RCH272	84-0208	C-130H	142ndAS DE ANG	28 Herky04/RCH227
94-6705	C-130H	158th AS GA ANG	13 RCH402	84-0209	C-130H	142ndAS DE ANG	28 Herky797/RCH617
05-8156	C-130J-30	815th AS AFRC	14 Herky696/RCH340	13-08132	CH-47F	B/1-214th AVN	Grit09
05-8158	C-130J-30	815th AS AFRC	14 Herky697/RCH457	16-08201	CH-47F	B/2-1st AVN	Army08201



## Ireland

			August 2019
Shannon			
03.93-0601	C-17A	758th AS AFRC	
04.08-8204	C-17A	437th AW	
06.01-0015	C-40B	1st AS	
09.166694	C-40A	USN	
11.01-0015	C-40B	1st AS	
12.01-0040	C-40B	1st AS	
15.01-0015	C-40B	1st AS	
16.01-0040	C-40B	1st AS	
02-0042	C-40B	1st AS	
18.165151	C-20G	USN Catbird	
21.00-9001	C-32B	150th SOS NJ ANG	Cara72
22.02-0042	C-40B	1st AS	
09-9205	C-17A	437th AW	
84-00162	C-12U-3	US Army	
26.09-0017	C-32A	1st AS	
27.03-3125	C-17A	305th AMW	
16-5853	C-130J-30	317th AW	
28.2/F-RAFP	Falcon 900	ET00.060	
09-9205	C-17A	437th AW	
08-20169	HH-60M	US Army	
10-20303	HH-60M	US Army	
06-8612	C-130J-30	19th AW	
31.09-0540	C-40C	73rd AS AFRC	

Credits: MAR, Scramble messageboard.

## Portugal

			August 2019
Lajes, Azores			
03.CN-AOK	C-130H	Esc de Transporte	RMAF217
08-3716/RS	C-130J-30	76th AS	04 HKY792
04.130606	CC-130J-30	436sq	06 CFC4292
1292/SU-BEY	C-130H	4sq/16sq	05 EGY1115
96-6043	CN235M-200	427th SOS	RCH55
08.CN-AOK	C-130H	Esc de Transporte	09 RMAF217
09.1292/SU-BEY	C-130H	4sq/16sq	11 EGY1115
169349/LD	P-8A	VP-10	10 Lancer64
13.130612	CC-130J-30	436sq	14 CFC4227
01-0076	C-37A	76th AS	Valor76
15.168855/LF	P-8A	VP-16	16 Talon13
17.96-6042	CN235M-200	427th SOS	RCH54
21.04-3142/RS	C-130J-30	37th AS	22 HKY01
23.075/F-RAJA	A340-211	ET03.060	CTM1104
87-0126	MC-130H	15th SOS	24 RCH1010
24.130612	CC-130J-30	436sq	25 CFC4227
1292/SU-BEY	C-130H	4sq/16sq	25 EGY1116
169533/BH	KC-130J	VMGR-252	26 Otis82
27.ZH889/889	Hercules C5	24/47sq	RRR5820
06-8612	C-130J-30	317th AW	28 RCH292
28.84-0083	C-21A	76th AS	29 Falcon24
16-5853	C-130J30	317th AW	29 RCH293
30.ZH889	Hercules C5	24/47sq	31 RRR5821
31.1292/SU-BEY	C-130H	4sq/16sq	01 EGY1116

## United Kingdom

			August 2019
Brize Norton			
01.A41-206	C-17A	36sq	03 ASY604
ZJ198	Apache AH1	4Regt	AA439
02.11-5731	MC-130J	67th SOS	Strix42
167984/NY	KC-130J	VMGR-452	04 Creep80
05.XW216	Puma HC2	Benson Wg	SHF248
07.ZZ527	Wildcat AH1	847NAS	Marine11
ZZ382	Wildcat AH1	1Regt	Spear25
12.ZJ233	Apache AH1	673sq	* AA786
ZZ510	Wildcat AH1	1Regt	* Recon21
13.XW224	Puma HC1	Benson Wg	* SHF307
14.ZJ956	Puma HC2	Benson Wg	SHF365
16.T-235	KDC-10	334sq	NAF63
XW219	Puma HC2	Benson Wg	a/f out SHF336
ZA940	Puma HC2	Benson Wg	SHF304
19.RA-30078	An-30	Russian AF/Open Skies	23 OSY33T
ZJ955	Puma HC2	Benson Wg	* SHF335
20.XW224	Puma HC2	Benson Wg	* SHF234
ZZ520	Wildcat AH1	1Regt	Spear25
21.E110/705-AH	Alpha Jet EM	EAC00.314	* FAF6443

23.ZA677	Chinook HC6A	28sq	* SHF261
ZM506	Juno HT1	DHFS	* SYS96
28.ZJ124/H	Merlin HC4	845NAS	29 Junglie424
29.ZA936	Puma HC2	Benson Wg	a/f in SHF248
30.XW209	Puma HC2	Benson Wg	a/f out SHF306
ZJ182	Apache AH1	AAC	a/f out AA063
ZJ183	Apache AH1	AAC	a/f out AA062

Credits: MAR, Scramble messageboard.

			August 2019
Cambridge			
02.5629	C-130J-30	335Skv	dep NOW335D
99-5479	C-130J	Bangladesh AF	t/f MCE08
06.B-536	C-130J-30	Esk721	arr DAF3126
07.84006/846	Tp-84	MADG	t/f MCE03
08.ZZ406	Wildcat AH1	1Regt	Carbon10
ZZ408	Wildcat AH1	1Regt	Carbon10
12.84004/844	Tp84	TSFE	arr SVF826
14.84007/847	Tp84	TSFE	arr SVF818to
15.84006/846	Tp84	TSFE	dep SVF846
20.B-583	C-130J-30	Esk721	arr DAF6128
C-215	CL-604	Esk721	DAF6621
84007/847	Tp84	TSFE	t/f MCE02
21.84006/846	Tp-84	TSFE	dep SVF819
23.99-5479	C-130J	Bangladesh AF	del fit BAF5479
26.01-0030	C-37A	76th AS	SPAR80
29.8T-CB	C-130K	LuTst	t/f MCE04

Credits: MAR, Scramble messageboard.

			August 2019
Coningsby			
01.ZM149	F-35B	207sq	* Lightning21
05.ZE700	BAe146 CC2	32(TR)sq	Kittyhawk95
G-IRTY	Spitfire Lf.IX	Silver1	*
OY-THP	PC-12	Silver2	*
12.ZK352/352	Typhoon FGR4	del to Lossie Wg	Typhoon110
ZK439/439	Typhoon FGR4	del to Coningsby Wg	Tarnish10
ZK309/309	Typhoon FGR4	del to Coningsby Wg	Typhoon110
20.ZA683	Chinook HC6A	18sq	Uber1

Credits: MAR, Scramble messageboard.

			August 2019
Fairford			
12.54+23	A400M	LTG62	GAF017
15.54+30	A400M	LTG62	GAF199
16.00-0177	C-17A	137th AS NY ANG	* RCH554
20.54+30	A400M	LTG62	GAF021
21.07-7185	C-17A	437th AW	RCH325
26.80-1070	U-2S	99th RS	28 Dragon22/21
27.82-1068/WM	B-2A	13th BS	Mytee11
82-1071/WM	B-2A	13th BS	Mytee13
89-0129/WM	B-2A	13th BS	Mytee12
28.60-0002/LA	B-52H	2th BW	Mytee51

Credits: MAR, Scramble messageboard.

			August 2019
Farnborough			
01.A9C-BRN	G550	Gvmt of Bahrain	BAH5
03.A6-FZZ	B737-8KN	Gvmt of Dubai	DUB12
05.A6-MRS	B737-8E0	Gvmt of Dubai	DUB7
06.A6-HHH	G650	Gvmt of Dubai	11 DUB15
A6-MRS	B737-8E0	Gvmt of Dubai	15 DUB7
07.A6-MRM	B737-8EC	Gvmt of Dubai	08 DUB5
10.A9C-BHR	G450	Gvmt of Bahrain	BAH4
A6-HRS	B737-7E0	Gvmt of Dubai	11 DUB4
11.A6-HHH	G650	Gvmt of Dubai	14 DUB15
12.A9C-BHR	G450	Gvmt of Bahrain	BAH4
16.A6-MRS	B737-8E0	Gvmt of Dubai	17 DUB7
17.A6-HRS	B737-70	Gvmt of Dubai	18 DUB4
A6-HEH	B737-8AJ	Gvmt of Dubai	25 DUB6
A6-MRS	B737-8E0	Gvmt of Dubai	24 DUB7
18.A9C-BHR	G450	Gvmt of Bahrain	19 BAH4
22.A6-DLM	A320-232X	Gvmt of Dubai	AUH07
A6-HRS	B737-7E0	Gvmt of Dubai	23 DUB4
23.A9C-BHR	G450	Gvmt of Bahrain	29 BAH4
25.A6-MRM	B737-8EC	Gvmt of Dubai	26 DUB5
26.A6-MRS	B737-8E0	Gvmt of Dubai	27 DUB7
A7-MHH	A319-115X	Gvmt of Qatar	27
27.A9C-BRN	G550	Gvmt of Bahrain	28 BAH5
97-00102	UC-35A	E/1-214th AVN	Duke77
A6-MRM	B737-8EC	Gvmt of Dubai	28 DUB5



The Royal Air Force uses the Grob G120TP as Prefect T1 for the Elementary Flying Training. The Grobs are based at Cranwell, where this ZM308 was seen, and at nearby Barkston Heath. (17 September 2019, Simon Titchmarsh)

A6-HEH	B737-8AJ	Gvmt of Dubai	28 DUB6	06.163837	UC-121M	USN	CBV515
29.A6-FZZ	B737-8KN	Gvmt of Dubai	30 DUB12	12.169328/PD	P-8A	VP-9	16 PD093
30.A6-HHH	G650	Gvmt of Dubai	01 DUB15	13.168997/PD	P-8A	VP-9	PD013
A6-MRM	B737-8EC	Gvmt of Dubai	31 DUB5	14. XX187/CN	Hawk T1A	100sq	Savage

Credits: MAR, Scramble messageboard.

Lakenheath

01.12-1050	F-15SA	del to RSAF	August 2019	Retro61-66	G-BYUJ	Tutor T1	ESUAS	tdy UAA99/100/105
12-1051	F-15SA	del to RSAF	Retro61-66	Retro61-66	G-BYUR	Tutor T1	USUAS	tdy UAA99/100/105
12-1052	F-15SA	del to RSAF	Retro61-66	Retro61-66	G-BYUS	Tutor T1	ESUAS	tdy UAA99/100/105
12-1076	F-15SA	del to RSAF	Retro61-66	15.169327/RD	P-8A	VP-47	22 Sword35	
12-1077	F-15SA	del to RSAF	Retro61-66	16.XX255/CB	Hawk T.A	100sq	* Pirate11	
12-1078	F-15SA	del to RSAF	Retro61-66	22.169332/PD	P-8A	VP-9	PD029	
XW213	Puma HC2	Benson Wg	SHF335	29.XX332/CD	Hawk T1A	100sq	* Pirate17	

03 85-1412/TX	F-16C	457th FS AFRC	dep Mazda61/62
85-1553/TX	F-16C	457th FS AFRC	dep Mazda61/62
05 11-5737	MC-130J	67th SOS	* Strix70
13 G-275	C-130H	336sq	NAF73
16 63-7999/D	KC-135R	351st ARS	* Quid52
21 RA-30078	An-30	Russian AF	* OSY33T
88-1676/SJ	F-15E	335th FS	27 Tabor91/Retro83
22.87-0171/SJ	F-15E	335th FS	28 Tabor91
28.G-275	C-130H	336sq	NAF75/9458
95-00123	UC-35A	6-52nd AVN	Duke21

Credits: MAR, Scramble messageboard.

Lossiemouth

01 041	Falcon 20ECM	717Skv	August 2019	02 NOW717B/C
053	Falcon 20ECM	717Skv	02 NOW717B/C	05 Pagan1/2
02.ZK028/FD	Hawk T2	25sq	05 Pagan1/2	05 Pagan1/2
ZK035/FK	Hawk T2	25sq	SAR cover for RAFAT DAF5930	RRR4012
05. C-168	CL-604	Esk721	RRR4012	
ZM419	Atlas C1	24/70sq		
XX177	Hawk T1	RAFAT		
XX219	Hawk T1	RAFAT		
XX232	Hawk T1	RAFAT		
XX242	Hawk T1	RAFAT		
XX245	Hawk T1	RAFAT		
XX278	Hawk T1	RAFAT		
XX310	Hawk T1	RAFAT		
XX311	Hawk T1	RAFAT		
XX319	Hawk T1	RAFAT		
XX322	Hawk T1	RAFAT		
XX323	Hawk T1	RAFAT		
XX325	Hawk T1	RAFAT		
ZM419	Atlas C1	24/70sq	RRR4012	

Credits: MAR, Scramble messageboard.

Mildenhall	August 2019
01.63-13188	dep TUAF403
83-0077	RCH439/Blue37
02.15-3086	RCH1040
03.08-3176	Herky792
61-0313	dep RCH695
63-8041	17 RCH433
05.61-0298	06 Roma41
62-3568	06 RCH557
08 91-0320/LN	Shifty21
01-2001/LN	Shifty22
09.83-0079	16 RCH241
12.T-235	NAF63
13.60-0337	17 Gold62/Blue61
14.N86	15 Flightcheck86
16.87-0045	RCH165
64-14845/OF	17 Olive55
ZM335	* Cranwell30
17.97-0042	20 RCH466
62-3537	arr RCH437
61-0323	18 Gold61/Blue62
18.60-0336	21 Gold76
64-14841/OF	20 Olive56
19.04-3142	Herky796
20.79-1947	23 RCH305
62-3553	21 Gold75
00-3002/LN	Thud81
00-3004/LN	Thud82
21.RA-30078	* OpenSkies

2x	Tucano T1	1FTS	* Sword1/2	G-CGKU/KU	Tutor T1	UGSAS	* UAJ51
22.61-2662/OF	RC-135S	55th Wg	29 Olive55/Cobra55	14.ZZ173/173	C-17A	99sq	* RRR829
23.ZF264/264	Tucano T1	1FTS	* Sword1/2	ZK332/332	Typhoon FGR4	6sq	* Lossie89
ZF448/448	Tucano T1	1FTS	* Sword1/2	82-0192	KC-10A	60th AMW	15 RCH175
04-4131	C-17A	305th AMW	RCH366	87-0123	KC-10A	60th AMW	RCH417
59-1521/AK	KC-135R	168th ARS AK ANG	24 RCH450	89-1187	C-130H	357th AS AFRC	15 RCH464
168347/EM-15MV-22B	VMM-261	VMM-261	Outlaw21	15.ZH875/875	Hercules C4	24/47sq	* RRR134
168626/EM-07MV-22B	VMM-261	VMM-261	Outlaw11	07-7179	C-17A	60th AMW	16 RCH677
24.58-0042	KC-135T	22nd ARW	25 RCH339	16.01-0029	C-37A	76th AS	Valor29
73-1676	E-4B	1st ACCS	26 Edge99	18.ZH003	Defender AL2	651sq	* AAC523
26.84-0186	KC-10A	305th AMW	28 Roma61/RCH022	19.KAF343	C-17A	41sq	21 KAF3211
84-0189	KC-10A	305th AMW	27 Roma71/Blue41	ZM411/411	Atlas C1	24/70sq	* Comet480
87-0122	KC-10A	305th AMW	28 Roma81/RCH021	ZH003	Defender AL2	651sq	* AAC501
01-0030	C-37A	76th AS	27 Spar80	20.144615	CC-144B	412sq	CFC3286
28.ZJ694	Sentinel R1	5sq	* Snapshot1	ZH003	Defender AL2	651sq	* AAC527
29.XX198	Hawk T1	100sq	Pirate10	21.ZH875/875	Hercules C4	24/47sq	* RRR144
84-0189	KC-10A	305th AMW	30 Blue31	ZH847/CU-66	Merlin HM2	814NAS	arr Tiger70
87-9285	C-130H	758th AS AFRC	Herky699	02-1099	C-17A	758th AS AFRC	RCH984
30.09-9208	C-17A	437th AW	arr RCH497	84-0126	C-21A	76th AS	Valor42
31.62-3507	KC-135R	336th ARS AFRC	arr RCH452	92-0552	C-130H	700th AS AFRC	22 RCH206
				93-1037	C-130H	700th AS AFRC	22 RCH047
				22.07-7187	C-17A	437th AW	22 RCH548
				84-0126	C-21A	76th AS	Valor21
				23.168347/EM-15MV-22B	VMM-261	28 Outlaw21/11	
				168626/EM-07MV-22B	VMM-261	28 Outlaw11	
				24.422/F-RADB	A310-304	ET03.060	25 CTM1074
				KAF343	C-17A	41sq	KAF3211
				25.03-3120	C-17A	62/446AW	RCH334
				26.177701	CC-177	429sq	CFC4056
				14+02	BD-700	FBS BMVg	* GAF685
				ZM412/412	Atlas C1	24/70sq	* RRR465
				84-0126	C-21A	76th AS	Valor21
				27.CH01	C-130H	20sm	28 BAF657
				15005	CC-150T	437sq	28 CFC4375
				188734	CF-188A	401sq	30 Ram21Fit
				188744/YO-B	CF-188A	401sq	30 Ram21Fit
				188796/YO-W	CF-188A	401sq	30 Ram21Fit
				74-1691	C-130H	186th AS MT ANG	28 RCH537
				166380/BH	KC-130J	VMGR-252	Bronco39
				G-CGKU/KU	Tutor T1	UGSAS	* UAJ42
				28.ZH893	Chinook HC6A	27sq	Titan11
				164597/RU	C-130T-30	VR-55	u/s 02 CNV6528
				167112/BH	KC-130J	VMGR-252	Bronco34
				29.15002	CC-150	437sq	30 CFC4139
				15005	CC-150T	437sq	30 CFC4375
				188751/YO-C	CF-188A	401sq	31 Ram21Fit
				188753/YO-M	CF-188A	401sq	31 Ram21Fit
				188766/YO-Q	CF-188A	401sq	31 Ram21Fit
				84-0126	C-21A	76th AS	Valor21



P-8A 168997/PD-997 from VP-9 is seen on departure from Lossiemouth on 13 August 2019. (Erik van Leeuwen)



Exercise Cobra Warrior was held at Waddington for three weeks in September. The Germans and Italians deployed Thypoons to the base, while the attraction for aviation enthusiasts where the Israeli F-15 Eagles. F-15D 980 from 106 squadron was one seven Eagles that went to Waddington (2 September 2019, Martin Fox)

30.15005	CC-150T	437sq	31 CFC4375	ZM419/419	Atlas C1	24/70sq	05 RRR4012
02-1099	C-17A	758th AS AFRC	31 RCH125	07.ZM139/139	F-35B	207sq	* MRH22
165835	C-40A	VR-57	31 CNV6630	ZM511/11	Juno HT1	DHFS	* SYS80
165161/BD	C-130T	VR-64	01 CNV3101	08.ZM407	Atlas C1	24/70sq	* RRR471
31.15002	CC-150	437sq	CFC4139	2x	F-15E	494th FS	* Jungle81/82
01-0196	C-17A	167th AS WV ANG	RCH170	12.ZM407/407	Atlas C1	24/70sq	* RRR473
165835	C-40A	VR-57	01 CNV6630	13.ZM139/139	F-35B	207sq	* Doom11
164993/BD	C-130T	VR-64	CNV3124	ZM152/152	F-35B	207sq	* Doom12

Credits: MAR, Scramble messageboard.

Stansted			August 2019				
01.A6-COM	B747-433M	Gvmt of Dubai	DUB3	19.MM62181/46-46	KC-130J	50°Gr	IAM4679
A9C-HAK	B747-4F6	Gvmt of Bahrain	BAH2	54+23	A400M	LTG62	GAF003
02.A4O-OMN	B747-430	Gvmt of Oman	ORF1	20.G-MAOL	AW109SP	32(TR)sq	RRR1305
03.A7-AAH	A340-313	Gvmt of Qatar		21.ZM152/152	F-35B	207sq	* MRH92
04.A6-HMM	B747-422	Gvmt of Dubai	DUB9	23.MM62178/46-43	C-130J	2°Gr	IAM4673
A6-SIL	B777-35R(ER)	Gvmt of Abu Dhabi	AUH02	27.54+30	A400M	LTG62	GAF047
05.A6-MMM	B747-422	Gvmt of Dubai	DUB2	27.667	C-130J-30	131sq	IAF468
A7-AAG	A320CJ	Gvmt of Qatar	QAF4	28.10+23	A310-304	FBS BMVg	GAF047
A7-HHK	A340-211	Gvmt of Qatar		272	KC707 Re'em	120sq	Giant01
06.A4O-SO	B74SP-27	Gvmt of Oman	ORF2	583	F-15C	106sq	Atomic04
07.A7-HHM	A330-202	Gvmt of Qatar	QAF3	706	F-15C	106sq	Atomic03
08.A6-HRM	B747-422	Gvmt of Dubai	DUB1	810	F-15C	106sq	Atomic02
A6-PFE	B787-9	Gvmt of Abu Dhabi	AUH05	715	F-15D	106sq	Atomic01
10.A6-HRM	B747-422	Gvmt of Dubai	DUB1	733	F-15D	106sq	Atomic05
A7-HSJ	A320CJ	Gvmt of Qatar		818	F-15C	106sq	Atomic06
13.99-0004	C-32A	1st AS	SAM680	980	F-15D	106sq	Atomic07
14.A6-PFE	B787-9	Gvmt of Abu Dhabi		ZK432/432	Typhoon FGR4	29sq	*
15.A6-MMM	B747-422	Gvmt of Dubai	DUB2	ZM411/411	Atlas C1	24/70sq	* RRR472
16.9K-GBB	A340-541	Gvmt of Kuwait	KUG005	ZK438/438	Typhoon FGR4	29sq	*
17.A7-ALN	A350-941	Gvmt of Abu Dhabi	AUH03	29 30+47	EF2000	TLG73	GAFS02A
18.A6-DLM	A320CJ	Gvmt of Abu Dhabi	AUH07	30+50	EF2000	TLG73	GAFS02B
A9C-HMH	B767-4FS(ER)	Gvmt of Bahrain	BAH3	30+51	EF2000	TLG73	GAFS01D
19.A6-COM	B747-433M	Gvmt of Dubai		30+56	EF2000	TLG73	GAFS01C
19.A6-HMM	B747-422	Gvmt of Dubai	DUB9	30+73	EF2000	TLG73	GAFS01A
23.A6-SIL	B777-35R(ER)	Gvmt of Abu Dhabi	AUH02	30+74	EF2000	TLG74	GAFS02C
25.02-1099	C-17A	758th AS AFRC	RCH510	30+74	EF2000	TLG74	GAFS02D
26.99-0404	C-37A	99th AS	27 SAM725	30+88	EF2000	TLG74	GAFS02D
29.UP-A3001	A330-202	Gvmt of Kazakhstan	BEC728	30+88	EF2000	TLG74	GAFS02D
A6-HMM	B747-422	Gvmt of Dubai	DUB9	30+65	EF2000	TLG73	GAFS03A
30.A6-HRM	B747-422	Gvmt of Dubai	DUB1	30+64	EF2000	TLG73	GAFS03B
31.A6-COM	B747-433M	Gvmt of Dubai	DUB3	31+20	EF2000	TLG73	GAFS01B
A6-HMM	B747-422	Gvmt of Dubai	DUB9	MM7311/4-55	F-2000A	37°St	IAM0420
				MM7321/37-12	F-2000A	37°St	IAM0420
				MM7352/36-55	F-2000A	12°Gr	IAM0409
				MM7353/36-56	F-2000A	12°Gr	IAM0409
				MM62189/46-55	C-130J-30	50°Gr	AMI4671

Credits: MAR, Scramble messageboard.

Waddington			August 2019
04.ZM412/412	Atlas C1	24/70sq	05 RRR4010

Credits: MAR, Scramble messageboard.



*It is a bit strange to open the Civil News section with a picture of an old McDonnell-Douglas MD-80, but Wednesday 4 September 2019 was the day that American Airlines phased out its last MD-80. In total American Airlines has operated a fleet of 383 McDonnell-Douglas MD-80 aircraft. On Wednesday 4 September on 9:25PM McDonnell-Douglas MD-83 N984TW, the last MD-83 built, took off from Dallas-Forth Worth (TX) as the last American Airlines MD-80 revenue flight (Flight AAL80 to Chicago ORD (IL)). It was ferried from Chicago to Roswell (NM) for storage later that day. (Dallas-Forth Worth (TX), 4 September 2019, Dylan Philipps)*

## Manufacturers News

### Bombardier

Bombardier announced the results over the first half of 2019 on 1 August 2019. Most important information is that the company delivered 35 airplanes so far, one more than the same period in 2018. Among the deliveries are two Global 7500s. The disposal of the DHC-8 programme to Viking Air/De Havilland Canada is nearing completion as is the transfer of the CRJ-programme to Mitsubishi Aircraft/MHI.

### COMAC

#### C919

The COMAC C919 test flight programme was expanded with a fourth prototype (B-001E, c/n 104), making its first flight on 1 August 2019 out of Shanghai. Later this year numbers five and six are also expected to join. Since 5 May 2017 the C919 has been pushing to gather all needed information for validation and certification to obtain the Chinese Aviation Authority Type Certificate.

Production of the C919 will start in Q1 2020 however recently COMAC informed launch customer China Eastern Airlines that the first delivery of their C919 will be delayed by one year, aiming for the timeframe of 2021-2022 instead of 2020-2021. In the meantime, the order book shows 305 firm orders and over 700 commitments.

### Daher

As this news went by rather quiet we missed the mid-June 2019 Daher announcement on the purchase of Quest Aircraft Company, best known for their Kodiak 100 multipurpose single engine transporter. Through this acquisition, Daher is enhancing its presence in the general and business aviation segment by offering a wider multi-product range. Already known for its TBM-910 and TBM-940 very fast turboprop aircraft, Daher's airplane portfolio has now expanded to include the Kodiak 100. The Quest facility in Sandpoint (ID) will be rebranded to Daher by the end of 2019 pending authority approval of France and America who need to give their final approval for the merger.

### Dassault

During the first half of 2019 Dassault delivered seventeen Fal-

con business jets and the order book holds a backlog of 43 Falcons. The delivery forecast for 2019 is 45 Falcon jets so this will leave 26 Falcons for delivery in 2020, if no new orders are gathered.

### Dornier/328 Support Service

#### Do328NEU

In Scramble 471 we already announced the initial plans that were created to revive the Do328 production. It took some time, more than one year to be precise to finalize the details however on 21 August 2019 the official kick-off was given: Dornier will return in production. Under the wings of the Sierra Nevada Corporation 328 Support Service GmbH will build the Dornier 328, designated as Do328NEU. The project anticipates creation of up to 250 new jobs at the production facilities in Leipzig, and over 100 jobs at 328SSG's headquarters in Oberpfaffenhofen.

According to 328 SSG: "Germany's return to the design and building of an EASA Part 25 commercial aircraft is long overdue and the new operation intends to create an aviation legacy founded on the heritage of aircraft pioneers," commented Dave Jackson, managing director of 328SSG. "The expansion of our locations in Germany and the formation of DRA GmbH, a new dedicated OEM, will enable us to manage future developments of the Do328NEU aircraft and exploit future technologies and capabilities to produce a more efficient, economic and environmentally friendly aircraft."

The upgraded Do328NEU will aim at offering suitable replacement solutions for ageing in service Dorniers in the aviation market, as well as supporting the growing global market demand of new route development. This also clarifies the support from local and national political parties with fundings and special regulations as the initiative stimulates Made in Germany. In total 221 Dornier 328s have been produced so there is a nice market to conquer and defend with rivals like the ATR42-500 and Cessna Ce408 SkyCourier.

### Embraer

The Embraer commercial passenger production brand will continue as Boeing Brazil Commercial after the takeover is fully completed, late 2019. On 12 September 2019 Embraer delivered its first ERJ195-E2 to launch customer Azul Líneas

Aéreas. PR-PJN is the first of nine ERJ195-E2s for Azul and the first one was decorated in a special Company Values outfit. In total Embraer/BCC have 92 orders so far for the longest E2 model.

## Gulfstream

According to plan General Dynamics/Gulfstream delivered their first customer Gulfstream 600 on 8 August 2019. After starting the programme in 2014, together with the G500, the G600 was created to fill the gap between the G550 and G650ER and allows up to nineteen passengers to travel distances like Farnborough to Van Nuys (CA) or Hong Kong non-stop.

On 26 August 2019 Gulfstream also announced a single G550 order from the National Oceanic and Atmospheric Administration (NOAA). The G550 could replace or assist the sole NOAA G-IVSP, N49RF, which was built in 1994 and served a respectful career as 'Gonzo' gathering weather data around the globe. The new G550 will also feature the Tail Doppler

Radar (TDR), also known as the tail bump.

## Textron Aviation

September 2019 marked the fifty year anniversary for the Citation brand. The Fanjet 500 was launched in October 1968 and was later renamed to Citation Ce500. Its first flight was on 15 September 1969 and commercial service became available three years later in 1972 and the timeline stretches all the way till the latest Ce700 Longitude and Cessna Hemisphere. In total over 7,500 airplanes have been delivered around the globe and Textron Aviation is far from slowing down on their effort in the Cessna-brand.

The good news show continues as Textron announced on 23 September 2019 that they have received the Type Certification for their Cessna 700 Longitude from the Federal Aviation Administration (FAA).

## Airliner News



On 27 July, British Airways took delivery of its first Airbus A350-1000. It is the first out of an order for eighteen A350-1000s. British Airways also took an option for an additional eighteen A350-1000s. In the first weeks the G-XWBA was used on crew familiarization flights between London-Heathrow and Madrid. On 2 September it made its first long-haul flight to Dubai. (London-Heathrow, 1 September 2019, Robert Eikelenboom)

## Europe

### Denmark

At a ceremony at Copenhagen Airport, SAS has unveiled their new livery. The first aircraft to wear the new outfit are going to be newly delivered Airbus A320neos and, of course, their new flagship the A350-900. The first of which is expected to be delivered on 30 November this year. The current livery was introduced in 1998 and the airline has said that it will take up to 2024 to have the complete fleet repainted.

### France

On 6 September Aigle Azur ceased all operations and went into liquidation. Interested parties in (parts of) the airline were allowed to submit their bids until 26 September. At the moment of writing it was yet unclear if a rescue bid was successful. Aigle Azur was France's oldest airline and was founded in 1946. It operated a fleet of eleven aircraft, one A319, eight A320s and two A330-200s.

Another French airline in trouble is XL Airways. The airline announced on 19 September that it has suspended all sales of tickets due to financial uncertainty. In the following days the airline will continue to operate, but if no solution is found it is expected that the airline will cease all operations soon. XL Airways has been looking for an investor for more than a year now, but with no success. XL Airways was founded as Star

Europe in 1995 and has a fleet of four aircraft; three A330-200s and one A330-300. The airline is part of the XL Group, which also owns La Compagnie. This airline is, however, unaffected by the problems at XL Airways as they are two separately managed companies.

### Portugal

ACMI-specialist Hi Fly took delivery of their first Airbus A330-900 on 3 September. The aircraft, c/n 1929 and registered CS-TKY, is now available for wet-lease. Hi Fly has ten A330-900s on firm order and two more via lessor Air Lease Capital. The plane delivered came from the lessor. The A330neos will be used to replace the airline's current fleet of A330s and A340s. Officially this is not the first A330-900 for Hi Fly as the airline also has been operating one for Air Senegal since March this year.

### Russia

A LOI made public during MAKS19 is that of Polar Airlines, which signed one with the United Aircraft Corporation for up to eight Ilyushin Il-114-300s. This latest version of the Il-114 is expected to be certified in 2023 and the airline hopes to be the launch customer shortly after that.

Yakutia Airlines signed an LOI with the United Aircraft Corporation at this year's MAKS for ten more SSJ100s and five MC-21-300s. However, the airline will only firm up the MC-21-300s when the range of the aircraft is improved, enabling

non-stop flights between Yakutsk and Moscow without issues. If finalised, the new planes will replace the airline's current fleet of two B737-700s and four B737-800s.

#### Slovenia

As several lessors repossessed their CRJs, Adria Airways was forced to cease all operations as of 24 September. The airline announced that the halting of flights would be temporarily, but during compiling this issue of Scramble no flights were being operated. Adria was founded in 1961 and operated a fleet of eighteen planes; three A319s, two CRJ700s, eight CRJ900s and five Saab 2000s.

#### United Kingdom

Lots of bad news this month as one of the world's oldest travel companies, Thomas Cook, has entered liquidation on 22 September after an attempt to save the company failed. As a result, all the airlines in the group in the ceased operations. The only exception were Condor Airlines and Thomas Cook Scandinavia, which were operating as normal after a few days. To bring the stranded passengers home, the UK Civil Aviation Authority launched Operation Matterhorn and leased in capacity from many airlines like Atlas Air, Malaysia Airlines, Miami Air, easyJet, British Airways and Virgin Atlantic. Thomas Cook was founded in 1841 and employed almost 22,000 people around the world. They had been posting large losses over the last few years and claimed their difficulties came from Brexit uncertainty, the influence of low-cost airlines and customers booking their own holidays instead of holiday packages. The airlines (not counting Condor) operated a fleet of 64 aircraft.

#### Africa

##### Egypt

EgyptAir took delivery of their first of twelve Airbus A220-300 on 6 September. The plane is registered as SU-GEX and wears the Express-livery. It will first be deployed on domestic routes.

##### Tunisia

Tunisair Express has ordered three ATR72-600S aircraft,

which will be used to replace the airline's current fleet of two ATR72-500s.

#### Asia

##### China

The three largest airlines of China, Air China, China Eastern Airlines and China Southern Airlines announced that they have signed a deal for 35 COMAC ARJ21-700s each. The airlines are expecting to take delivery of the new planes between 2020 and 2024 and will use them on domestic and regional routes.

##### Kazakhstan

During this year's MAKS 2019 air show at Zhukovsky, Bek Air signed an LOI for five MC-21-300s. No further details about the delivery time-frame was made public but the LOI is the third export order for the type. The MC-21-300 is a design of Yakovlev and produced by Irkut, a branch of the United Aircraft Corporation. The MC-21-300 can seat up to 211 passengers in a single-class lay-out and first flew on 28 May 2017. Delivery to a first customer is expected in the second half of 2020. A total of 175 MC-21s have so far been ordered. Bek Air currently owns a fleet of nine Fokker 100s, of which seven are active and used on domestic flights.

##### Malaysia

Last year AirAsia signed a Letter of Intent for 34 additional Airbus A330-900s, but it took until the end of August to firm the order. However, the airline has decided to change the order and has now ordered twelve A330-900s and 30 A321XLRs. AirAsia now has commitments for 80 A330-900s, 78 directly ordered at Airbus and two via lessor Avolon. The first of these two was recently delivered to Thai AirAsia.

##### Vietnam

According to Reuters, VietJet is the undisclosed airline that ordered fifteen A321XLRs with Airbus in August. Both companies have, however, not confirmed the news. Airbus now has almost 300 orders for their newest variant of the A321 which they formally launched during this year's Paris Air Show.



*LaCompagnie is a privately owned all business class airline which operates flights between Paris-Orly and Newark (NJ). Prior before 6 June 2019, all services were operated with a fleet of two Boeing 757-200 aircraft, configured with 74 flat-bed seats in a two-by-two configuration. But on 6 June 2019 La Compagnie's first of two Airbus A321-200NEOs operated its inaugural flight between Orly and Newark. The LaCompagnie A321-200NEOs can carry two passengers more with a cabin of 76 flat-bed seats and is probably far more fuel efficient than the older 757s. F-HBUZ is the first LaCompagnie A321-200 NEO and was delivered on 18 May 2019. In December 2016, a merger with XL Airways France was announced, creating a long-haul, low-cost airline group, the XL Airways-La Compagnie Group. XL Airways filed for insolvency on 19 September 2019. La Compagnie services continued to operate as normal, although it was subsequently reported that the administrators of XL Airways France were planning to put La Compagnie up for sale. (Paris-Orly, 18 August 2019, Simon Butler)*



Vilnius based Lithuanian airline GetJet Airlines is one of the many East-European airlines specialising in passenger charter flights, ACMI (aircraft, crew, maintenance and insurance) leasing and aircraft management services. Mostly these airlines use older age Boeing 737 and Airbus narrowbodies. GetJet is the first of these kind of airlines that added a widebody to its fleet. Airbus A330-300 LY-LEO is a former China Airlines aircraft and was delivered earlier this year. From June until Mid-October the aircraft was placed on a wet-lease to TunisAir, mainly operating flights between Tunis and Paris-Orly and Istanbul. (Paris-Orly, 24 August 2019, René Verschuur)

## Latin America

### Brazil

On 12 September Embraer delivered the very first E195-E2 ever. The proud new owner is lessor AerCap, which has leased the aircraft to Azul Linhas Aéreas Brasileiras. The plane is registered as PR-PJN and is the first of a total of 57 E195-E2s the airline has on order. Six of these will be leased, the other 51 have been directly ordered with the manufacturer. The E195-E2 is the largest aircraft Embraer has ever built and can seat up to 146 passengers. It has a total of 124 firm orders for the type, of which Azul (51) and AerCap (45) are the largest customers so far.

## Middle East

### Israel

Something to look out for when spotting is El Al B787-9 4X-EDM which is named "Jerusalem of Gold" and has received gold decals to its livery. The plane was delivered to the airline on 19 September.

## North America

### United States of America

September 4th was an end of an era for American Airlines as the airline withdrew their last 26 MD-80s (one MD-82 and 25 MD-83s) from service. To commemorate this, the airline organised the #Super80Sendoff event which saw all these aircraft flown to Roswell (NM) at the end of their shifts. Since 1983, American Airlines operated a total of 383 MD-80s.

Mesa Airlines and Mitsubishi announced during the Regional Airline Association convention that they have signed an MOU for fifty firm and fifty options for the M100 SpaceJet. When finalised, deliveries should begin in 2024. Mesa Airlines currently operates a fleet of 145 planes; one CRJ100, twenty CRJ700s, 64 CRJ900s and sixty ERJ170s. All are operated for either American Eagle or United Express.

## Oceania

### Tahiti

An end of an era for Air Tahiti Nui as the airline phased out their last two A340-300s at the end of September. The airline now operates a fleet of four B787-9s.

## 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

Aer Lingus	6	A321neo
Air China	20	A350-900
Air Vanuatu	2	A220-100
	2	A220-300
All Nippon Airways	18	A320neo
Atlantic Airways	2	A320neo
American Airlines	20	A321neo
DAE Capital	2	A350-900
Delta Air Lines	5	A220-100
Iberia	2	A320neo
	8	A321neo
Jetblue Airways	10	A220-300
Lufthansa	20	A350-900
Lufthansa Technik (for Luftwaffe)	3	A350-900
<u>Private</u>	1	ACJ319neo
	2	<u>ACJ320neo</u> (+1)
	1	ACJ350-900
Qantas	10	A321neo
Saudia	30	A320neo
Starlux	5	A350-900
	12	A350-1000
Uganda Airlines	2	A330-800
<u>Unidentified</u>	43	A320neo
	28	<u>A321neo</u> (+15)
Virgin Atlantic	8	A330-900
Total	262	(+16)

## 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
<u>Tunisair Express</u>	3	<u>ATR72-600S</u>
Total	58	(+3)

## Boeing 2019 firm orders

Air Lease Corporation	1	B787-9
Bamboo Airways	10	B787-9
Boeing Capital Corporation	1	B787-9
British Airways	18	B777-9
<u>China Airlines</u>	6	<u>B777F</u> (+3)
DHL	4	B777F
FedEx	6	B767-300F
Korean Air	10	B787-9
	10	B787-10
Lufthansa	20	B787-9
<u>Private</u>	1	BBJMAX
	2	<u>B787-9</u>
Qatar Airways	5	B777F
Royal Air Force	4	P-8A
Royal Norwegian Air Force	5	P-8A

Turkmenistan Airlines	1	B777-200LR	
Unidentified	16	B737	
	2	B777-300ER	
	5	B787-9	
	4	B787-10	
UPS	4	B767-300F	
US Navy	10	P-8A	
Total	145		(+6)

### Bombardier & De Havilland Canada 2019 firm orders

Chorus Aviation	9	CRJ900
Petroleum Air Services	1	CRJ900
TAAG Angola Airlines	6	DHC-8-400Q
Total	16	

### Embraer 2019 firm orders

Air Peace	10	E195-E2
Binter	2	E195-E2
Fuji Dream Airlines	2	E175
KLM cityhopper	15	E195-E2
SkyWest Airlines	7	E175
United Airlines	20	E175
Total	56	(+7)

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

### Jetliners

A220	-300	55055	YL-AAT	airBaltic. Delivered on 20 September.
	-300	<b>55058</b>	SU-GEX	EgyptAir. Delivered on 6 September. Delivered in EgyptAir Express colours.
A319	-111	<b>2283</b>	D-ASSK	Sundair, ex CC-AFX of Sky Airline. Delivered on 18 September.
	-112	<b>4663</b>	LY-KIT	Sunwing Airlines, ex GetJet Airlines. Delivered on lease on 1 September.
	-112	<b>4691</b>	LY-KEA	TUI fly Belgium, ex GetJet Airlines. Delivered on lease on 1 September
A320	-214	<b>3242</b>	XY-ALJ	Myanmar Airways International, ex F-HBIO of Aigle Azur. Delivered on 4 September. Registered in between as LZ-AWW of DAE Capital.
	-214	<b>5299</b>	OE-LZD	Austrian Airlines, ex PR-ONL of AVIANCA Brasil. Delivered on 24 September. Registered in between as N667AC of ACG – Aviation Capital Group.
	-271N	<b>8969</b>	EC-NEA	Vueling Airlines. Delivered on 3 September. Test registration was D-AUAQ.
	-271N	<b>8996</b>	EC-NER	Iberia. Delivered on 26 September. Test registration was D-AUAU.
	-251N	<b>8998</b>	G-UZLB	easyJet. Delivered on 5 September. Test registration was D-AUAA.
	-251N	<b>9049</b>	9H-NEC	Air Malta. Delivered on 12 September. Test registration was D-AUBB.
	-214	<b>9052</b>	D-AIWJ	Lufthansa. Delivered on 18 September. Test registration was D-AUBC.
	-251N	<b>9105</b>	G-UZLG	easyJet. Delivered on 10 September. Test registration was D-AUBK.
	-271N	<b>9144</b>	EC-NFJ	Vueling Airlines. Delivered on 30 August. Test registration was F-WWID.
	-251N	<b>9163</b>	HZ-NS25	Flynas. Delivered on 12 September. Test registration was F-WWBJ.
	-251N	<b>9169</b>	VP-BRZ	Ural Airlines. Delivered on 13 September. Test registration was F-WWDH.
	-251N	<b>10002</b>	EC-NFZ	Iberia. Delivered in Oneworld colours on 10 September. Test registration was F-WWBD.
A321	-231	<b>983</b>	SX-ABY	Olympus Airways, ex of TUI Airways. Returned from lease on 16 September.
	-231	<b>1015</b>	SX-ACP	Olympus Airways, ex of TUI Airways. Returned from lease on 16 September.
	-231	<b>1060</b>	SX-ABQ	Olympus Airways, ex of TUI Airways. Returned from lease on 14 September.
	-251NX	<b>8773</b>	CS-TXC	TAP Air Portugal. Delivered on 13 September. Test registration was D-AZAU.
	-271NX	<b>8837</b>	P4-KGA	Air Astana. Delivered on 21 September. Test registration was D-AVXW.
	-253NX	<b>8909</b>	EI-LRB	Aer Lingus. Delivered on 24 September. Test registration was D-AVXS.
	-251NX	<b>8930</b>	G-NEOV	British Airways. Delivered on 30 August. Test registration was D-AVYG.
	-251NX	<b>8936</b>	TC-RBA	Pegasus Airlines. Delivered on 11 September. Test registration was D-AVYI.
	-231	<b>8943</b>	HA-LTI	Wizz Air. Delivered on 30 August. Test registration was D-AVYZ.
	-271NX	<b>8958</b>	D-AIED	Lufthansa. Delivered on 24 September. Test registration was D-AYAC.
	-251NX	<b>9131</b>	F-HNCO	La Compagnie. Delivered on 14 September. Test registration was D-AYAF.
A330	-243	<b>261</b>	EC-MNY	Wamos Air, ex Garuda Indonesian Airways. Returned from Hajj lease on 16 September.



This Airbus A330-300 F-HPUJ started its career with French Blue in June 2016. Later in January 2018 the the "Blue" in the name was changed to "Bee" after a protest from US carrier JetBlue. French Bee is the low-cost, long-haul subsidiary of Groupe Dubreuil, who are also the owner of Air Caraïbes. Both Airlines operate services from Paris-Orly. In June 2019, with the arrival of the third A350 in French Bee's fleet, their sole A330-300 was transferred to Air Caraïbes. The aircraft is still painted in full French Bee colours, but now wears Air Caraïbes titles. (Paris-Orly, 19 August 2019, Simon Butler)



SkyUp Airlines is a new low-cost carrier from Ukraine. It started operations in 2018 with charter services from its Kiev International Igor Sikorsky Airport base to resorts in Egypt. Since then it has started not only international charter flights, but also domestic flights. Its current fleet consists of six Boeing 737-800s and two 737-700s. SkyUp Airlines plans to acquire two or three aircraft each year for an eventual fleet of twelve. On 20 March 2018 SkyUp placed a firm order with Boeing for two 737 MAX 8 and three 737 MAX 10 aircraft. Pictured here is Boeing 737-700 UR-SQD. Besides United Airlines and Southwest Airlines, SkyUp Airlines is the only airline which operate 737-700s with Scimitar Winglets. (Paris-Charles de Gaulle, 15 August 2019, Simon Butler)

	-223	<b>262</b>	CS-TQW	Hi Fly, ex Garuda Indonesian Airways. Returned from Hajj lease on 16 September.
	-343E	<b>645</b>	OO-SFP	Brussels Airlines, ex D-AIKG of Lufthansa. Delivered on 13 September.
	-343E	<b>1427</b>	A4O-DZ	Oman Air, ex 9V-STV of Singapore Airlines. Delivered on 31 August.
	-941N	<b>1901</b>	HS-XJA	Thai AirAsia X. Delivered on 31 August. Test registration was F-WWYG.
	-941N	<b>1922</b>	CS-TUO	TAP Air Portugal. Delivered on 6 September. Test registration was F-WWYD.
	-941N	<b>1929</b>	CS-TKY	Hi Fly. Delivered on 3 September. Test registration was F-WWCI.
A340	-313X	<b>302</b>	YA-KMU	Kam Air (addition Scramble 482 – Page 37).
A350	-941	<b>246</b>	B-308G	Hainan Airlines. Delivered on 20 September. Originally intended for Hong Kong Airlines as B-LGF, but not taken up by that airline. Immediately after delivery to Hainan Airlines, the aircraft was ferried to Lourdes-Tarbes for storage, where it will keep company two other Hainan Airlines Airbus A350s, which flew to Lourdes two months ago. Test registration was F-WZGR.
	-941	<b>282</b>	A7-AQB	Qatar Airways. Delivered on 24 September. Test registration was F-WZGS.
	-941	<b>333</b>	JA02XJ	Japan Airlines International. Delivered on 30 August. Test registration was F-WZFX.
	-1041	<b>340</b>	G-XWBB	British Airways. Delivered on 19 September. Test registration was F-WZFS.
	-941	<b>341</b>	9V-SMW	Singapore Airlines. Delivered on 13 September. Test registration was F-WZND.
	-941	<b>343</b>	JA03XJ	Japan Airlines International. Delivered on 20 September. Test registration was F-WZGE.
	-941	<b>344</b>	9V-SMY	Singapore Airlines. Delivered on 13 September. Test registration was F-WZGV.
A380	-841	<b>114</b>	9M-MNF	Malaysia Airlines, ex Flynas. Returned from lease on 3 September.
B737	-5Y0	<b>25188</b>	LZ-TER	Voyage Air, ex ZS-THY. Was already leased from Africa Charter Airline. Re-registered 22 July.
	-48ESF	<b>25773</b>	EI-STS	ASL Airlines Ireland, ex N480VX of UMB Bank NA Trustee. Delivered on 30 August.
	-8K5	<b>27978</b>	ZS-FGB	FlySafair, ex VQ-BDZ of NordStar Airlines. Delivered as VQ-BDZ on 10 September.
	-809	<b>28236</b>	EC-NGC	AlbaStar, ex EI-GKW. Re-registered on 23 September.
	-8GJ	<b>34898</b>	F-HTVO	Transavia France, ex VT-SPK of SpiceJet. Delivered on 11 September.
	-86N	<b>36827</b>	SP-LWG	LOT Polish Airlines, ex 2-CHTR of Pembroke Aircraft Leasing 11 Ltd. Delivered on 19 September.
	-8JP	<b>39016</b>	HL8336	Jeju Air, ex LN-NGC of Norwegian. Delivered on 14 September.
	-8JP	<b>39018</b>	HL8376	FlyGangwon, ex LN-NGG of Norwegian. Delivered on 3 September.
	-8KN	<b>40233</b>	VP-BSC	Nordwind Airlines, ex 2-TJTH of AWAS Aviation Leasing 40233 Ltd. Delivered on 9 September.
	-8KN	<b>40236</b>	VP-BSE	Nordwind Airlines, ex 2-TJTN of ASWAS 40236 Ireland Ltd. Delivered on 9 September.
	-8KN	<b>40248</b>	ZS-ZWM	Comair, ex A6-FDV of FlyDubai. Delivered on 24 September. Is in British Airways colours.
	-800	<b>44790</b>	9H-QAL	Malta Air, ex EI-FZP of Ryanair. Transferred on 4 September.
	-700 (BBJ)	<b>64802</b>	EZ-A700	Government of Turkmenistan. Delivered on 22 September. Line # 6760. Operated by Turkmenistan Airlines.
B747	-8F	<b>64263</b>	N617UP	UPS - United Parcel Service. Delivered on 3 September. Line # 1555.
B767	-281BDSF	<b>22788</b>	N773AX	Cargo Aircraft Management, ex SE-RLD of West Air Sweden. Returned from lease on 17 September.
	-304ERBDSF	<b>28039</b>	N391UP	Cargo Aircraft Management, ex I-AIGJ of Air Italy. Registered in the US on 6 September. The aircraft is currently undergoing freighter conversion at Tel Aviv and will be delivered on lease to UPS when ready.
	-300F	<b>65790</b>	N367UP	UPS - United Parcel Service. Delivered on 12 September. Line # 1190.
B777	-268ER	<b>28349</b>	N771CL	IAGCAS LLC, ex HZ-AKF of Saudia - Saudi Arabian Airlines. Registered in the US on 28 August. The Triple Seven was withdrawn from use by Saudia in August 2017 and had remained in storage at Riyadh

	-F	<b>40672</b>	N866FD	since then. It was ferried to Kansas City (MI) on 10 September. This aircraft will be used by the U.S. Army Aberdeen Test Centre in conjunction with the Department of Homeland Security for destructive testing.
	-300ER	<b>65417</b>	B-20C5	Fedex Express. Delivered on 20 September. Line # 1622.
	-300ER	<b>65418</b>	B-20CK	China Southern Airlines. Delivered on 31 August. Line # 1613.
	-F	<b>66081</b>	D-AALL	China Southern Airlines. Delivered on 21 September. Line # 1618.
B787	-9	<b>38783</b>	4X-EDM	AeroLogic. Delivered in full DHL colour scheme on 16 September. Line # 1619.
	-8	<b>40124</b>	S2-AJU	El Al Israel Airlines. Delivered in a special "Jerusalem of Gold" colour scheme on 18 September. Line # 907.
	-9	<b>42372</b>	A6-BNC	Biman Bangladesh Airlines. Delivered on 13 September. Line # 903.
				Etiyah Airways. Delivered on 14 September. Line # 894.



Mentioned in issue 484, we now have a picture to show you of new Fokker 50 operator Air Antwerp. OO-VLS (former SE-MFY of Amapola Flyg and msn 20109) was captured by Walter Van Brempt on 6 September 2019 at home base Antwerp-Deurne. There are now two Fokker 50 operators in Europe: Amapola Flyg and Air Antwerp.

	-10	<b>60263</b>	9V-SCN	Singapore Airlines. Delivered on 5 September. Line # 896.
	-10	<b>60294</b>	VN-A872	Vietnam Airlines. Delivered on 31 August. Line # 890.
	-9	<b>62170</b>	A6-PFG	Government of Abu Dhabi - Amiri Flight. Delivered on 26 September. Line # 874.
	-9	<b>63715</b>	B-20D8	Shanghai Airlines. Delivered on 26 September. Line # 900.
	-9	<b>63986</b>	B-20CJ	China Southern Airlines. Delivered on 21 September. Line # 892.
	-9	<b>64316</b>	B-20D1	Juneyao Airlines. Delivered on 30 August. Line # 895.
	-9	<b>65314</b>	EI-NUA	Neos. Delivered on 15 September. Line # 888.
	-9	<b>65805</b>	TC-LLE	Turkish Airlines. Delivered on 14 September. Line # 899.
CRJ	900ER	<b>15129</b>	PH-ADO	SAMCO Aircraft Maintenance B.V., ex S5-AAL of Adria Airways. Registered on 20 September and ferried to Maastricht the same day.
	900	<b>15244</b>	EI-GEF	CityJet, ex OY-KFK of Cimber. Delivered on 2 September. Operated in SAS colours.
ERJ	145EP	<b>145454</b>	G-SAJD	Loganair, ex G-RJXI. Re-registered 23 September.
	135BJ	<b>14500942</b>	I-KRFX	Sirio S.p.A, ex N908FL of Flight Options. Delivered on 18 July as N908FL.
	145LI	<b>14501013</b>	F-HERS	Regourd Aviation, ex N181EC of Wells Fargo Trust Co NA Trustee. Delivered on 26 July.
	190BJ	<b>19000571</b>	T7-PPR	Private, ex OE-LUV of International Jet Management. Delivered on 11 September.
	190STD	<b>19000769</b>	F-HBLN	Air France HOP. Delivered on 20 September.

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

## Commuters

ATR42	-300	<b>093</b>	OE-HZA	Zimex Aviation Austria, ex F-GVZJ of Aero4M. Registered on 7 August. Will be converted to freighter.
	-300F	<b>317</b>	HB-AMB	Zimex Aviation, ex YL-RAJ of RAF-Avia. Delivered on 6 September.
	-500	<b>633</b>	TR-AFB	Afrijet Business Service, ex OK-KFO of CSA Czech Airlines. Delivered on 29 Augustus.
ATR72	-212A	<b>1261</b>	EC-NFU	Air Nostrum, ex 2-ATRG of NAC Aviation 29 DAC. Delivered on 2 September.
	-212A	<b>1322</b>	EI-GPP	Stobart Air, ex G-FBXE of Flybe. Delivered on 24 September.
	-212A	<b>1586</b>	EC-NGF	Binter Canarias. Delivered on 20 September.
	-212A	<b>1587</b>	EC-NGG	Binter Canarias. Delivered on 12 September.
DHC-8	-402	<b>4538</b>	VH-IYK	Cobham Aviation Services Australia, ex OE-IIO of Celestial Aviation Trading 12 Ltd. Delivered on 19 September as OE-IIO.

## Fokker News

F27	-050	<b>20168</b>	5Y-SMN	Silverstone Air Services, ex SE-LJG Amapola Flyg.
	-050	<b>20171</b>	5Y-MHT	Silverstone Air Services, ex SE-LJH Amapola Flyg. Left Malmö on 2 September and arrived a day later at Nairobi-Wilson.
	-050	<b>20180</b>	5Y-IZZ	Silverstone Air Services, ex SE-LJI Amapola Flyg. In Scramble 482 we already mentioned the sale of two former Amapola Flyg Fokkers to Silverstone (20168 and 20180) but the tie-up was not confirmed. It is now, and as we expected it was the other way around! This is now the correct tie-up.
	-050	<b>20258</b>	RP-C9273	LEASCOR. Has been flying for them not even for a year but is already offered for sale!



A surprising visitor for Amsterdam - Schiphol was this Global 5000 with registration LV-GQE from Argentina. Although the colour scheme of this aircraft is not astonishing, visiting Argentine business aircraft are very rare in Western Europe. (Amsterdam - Schiphol, 15 September 2019, Pino Tome)

	-050	<b>20284</b>	VH-FKY	Alliance Airlines. Operated its last service 10 December 2014 Coober Pety-Adelaide, and has been stored since. Over the past couple of years it was slowly reduced to spare parts and officially deleted from the register on 31 July of this year.
F28	-3000	<b>11137</b>	5H-CCM	Air Tanzania, ex Government of Tanzania. Already delivered back in April 2019.
	-0100	<b>11282</b>	XY-AGF	Air Bagan. This Fokker 100 was donated to the Chit Thu Maying entertainment park, located in Hpa-an, Karen state, Myanmar, and it is on display as a café, fitted with a luxury interior. The exact location is 16°48'39.3"N and 97°38'56.0"E. We had this in our database as wfu in the hangar area at Yangon in November 2016.
	-0100	<b>11466</b>	VH-...	Alliance Airlines, ex HB-JVG Helvetic Airways. Left Bratislava on 5 September as SX11947, as HB-JVF, to arrive Down Under five days later. Arrived at Bratislava 13 June this year for storage.
	-0100	<b>11501</b>	VH-...	Alliance Airlines, ex HB-JVC Helvetic Airways. Same route as <b>11466</b> , but now as SX11948 and also still as HB-JVC, and left Bratislava on 26 September. Was already parked there since 16 January 2019.
	-0070	<b>11569</b>	VH-QQW	Alliance Airlines. Flew back to Down Under after maintenance at Norwich, and received a nice special colour scheme, celebrating 100 years since the first England-Australia flight.

Credits: Walter Van Brempt, Merv Crowe, Skyliner.

## Bizjets

Embraer	505	<b>50500131</b>	N422RS	Former OE-GPL of Speedwings Executive Jet GmbH was sold to SSI Diagnostics LLC.
	505	<b>50500241</b>	M-KELI	Ex HZ-SK12 of Sky Prime Aviation Services was sold to Kelly Airways.
Global Express	XRS	<b>9055</b>	VH-UBX	Registered in Australia to Seletarjet Charter on 4 September, ex N540CN.
	5000	<b>9272</b>	N272GX	Delivered on 26 August, ex N15SD.
	7500	<b>9679</b>	9H-OJE	Delivered in September, ex N588ZJ.
IAI	1124	<b>70029</b>	N843GG	Registered on 6 September. Ex C-GDIW, which was delivered on 13 May.
	1124	<b>240</b>	N298HM	Registration reactivated on 22 August. See Scramble 479.
	1124	<b>297</b>	N335VB	Registration cancelled on 6 September.



This beautiful coloured Global 5000 registered OE-ICA used to operate for Avcon, but it will be operating for RP-Sanjiv Goenka Group after delivery to India as the titles reveal on this picture. Showing titles on business aircraft which show the name of operator/owner is not a common fact. Its future registration will be VT-SHG. (Lelystad, 7 August 2019, Berend Jan Floor)

	1124	<b>311</b>	N696RQ	Reregistered on 6 September, ex N696RG.
	1124A	<b>351</b>	H4-...	Cancelled from the USA on 28 August, exported to Solomon Islands.
	1125SPX	<b>113</b>	N113AZ	Reregistered on 6 September, ex N617RA.
	1125SPX	<b>138</b>	N69BS	Reregistered on 17 September, ex N776JS.
	G150	<b>220</b>	N150MT	Reregistered on 23 September, ex N197HF.
	G150	<b>239</b>	PR-FVJ	Exported to Brazil on 13 September, ex N89AG.
	G150	<b>268</b>	N365SS	Reregistered on 13 September, ex N365SC.
	G200	<b>141</b>	N710RH	Reregistered on 17 September, ex N82FB.
Pilatus	PC-24	<b>104</b>	LX-JFG	Ex T7-LCE of Brabair SA, sold to Jetfly Aviation in Luxembourg.
	PC-24	<b>131</b>	OO-MAP	Former HB-VUF of Pilatus Flugzeugwerke, sold to European Aircraft Private Club and is based at Charleroi.
	PC-24	<b>143</b>	LX-PCC	Former HB-VUR of Pilatus Flugzeugwerke, sold to JetFly Aviation SA.
	PC-24	<b>146</b>	OK-CER	Former HB-VUU of Pilatus Flugzeugwerke, sold to OK-Aviation Wings s.r.o. in September.
	PC-24	<b>148</b>	HB-VUW	Registered to Pilatus Flugzeugwerke in July.
	PC-24	<b>149</b>	HB-VUX	Registered to Pilatus Flugzeugwerke in July.
	PC-24	<b>150</b>	HB-VUY	Registered to Pilatus Flugzeugwerke in July.

## Bizprops

Beech	200	<b>BB-459</b>	LV-...	Former SE-KXM of NextJet was sold to a unknown operator in Argentina.
	250	<b>BY-239</b>	EC-NBZ	This brand new Beechcraft, ex N239KF, was first registered as EC-MVT and sold to an unknown operator in Spain, but soon after re-registered and sold to Eliance in Madrid.
Piaggio	P180	<b>1018</b>	X-...	Ex N180AV, sold to Luis Topete in Mexico on 11 September.
Pilatus	PC-6B2/H2	<b>790</b>	A6-...	Former PH-ABT of Aircraft and More GmbH has unfortunately already been sold to a unknown operator in the UAE.
	PC-12/47	<b>732</b>	N732PC	Former T7-AMS of Visionscape was sold to an unknown operator in the U.S.
	PC-12/47E	<b>1121</b>	ZS-JHG	Ex PH-PNG of H.J. Heijst was sold to a yet unknown operator in South Africa.
	PC-12/47E	<b>1521</b>	C-GBAP	Former HB-FWM of Calanda Wings AG was sold to Coywolf Aviation Ltd. in Canada.
	PC-12/47E	<b>1848</b>	B-106A	Former HB-FRG of Pilatus Flugzeugwerke was sold to an unknown operator in China.
	PC-12/47E	<b>1869</b>	F-OSTB	Former N869PE of Pilatus Business Aircraft Ltd was sold to Lixxbail (St. Barth Executive) in France in July.
	PC-12/47E	<b>1880</b>	G-LUSO	Operator is now known as Eurokey Aviation Ltd. Addition to Scramble 484 - Page 41.
	PC-12/47E	<b>1886</b>	HB-FSQ	Registered to Pilatus Flugzeugwerke 6 June. Later sold as:
	PC-12/47E	<b>1886</b>	D-FJTT	to a yet unknown operator in Germany.
	PC-12/47E	<b>1893</b>	HB-FSX	Registered to Pilatus Flugzeugwerke 28 June. Later sold as:
	PC-12/47E	<b>1893</b>	N893NG	to Pilatus Business Aircraft Ltd. in the US in July.
	PC-12/47E	<b>1894</b>	HB-FSY	Registered to Pilatus Flugzeugwerke 10 July. Later sold as:
	PC-12/47E	<b>1894</b>	N894AF	to Pilatus Business Aircraft Ltd. in the US in August.
	PC-12/47E	<b>1895</b>	HB-FSZ	Registered to Pilatus Flugzeugwerke 10 July. Later sold as:
	PC-12/47E	<b>1895</b>	N499LA	to Pilatus Business Aircraft Ltd. in the US in August.
	PC-12/47E	<b>1896</b>	HB-FQA	Registered to Pilatus Flugzeugwerke 17 July.
	PC-12/47E	<b>1897</b>	HB-FQB	Registered to Pilatus Flugzeugwerke 19 July.
	PC-12/47E	<b>1898</b>	HB-FXT	Registered to Pilatus Flugzeugwerke 26 July.
SOCATA	TBM-940	<b>1278</b>	D-FELD	Former D-FRAS of SOCATA was sold to an unknown operator in Germany.
	TBM-940	<b>1289</b>	F-GAOI	Former N940JP of Transatlantic Deliveries Trust was sold to Daher Aerospace.

## Soviet Updates

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

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

An-2T	<b>1G98-48</b>	ex YL-CAO	no titles	photo	28feb17	preserved in the Jurmala Airport Air Zoo of KS Avia
An-2T	<b>1G73-15</b>	RF-90581	Russian Air Force	Rzd	17aug19	coded "02" yellow
An-2T	<b>1G85-16</b>	RF-90583	Russian Air Force	Rzd	17aug19	coded "20" yellow
An-2R	<b>1G153-01</b>	RA-07539	Orenburg Airlines		16sep18	preserved in a park at Saraktash; canx between 29jul19 and 06sep19
An-2TP	<b>1G162-63</b>	RA-16013	Khabarovsk Airlines	no	reports	canx between 29jul19 and 06sep19
An-2	<b>1G170-34</b>	RA-07875	Evenkiya Avia	Vnv	16jan05	with titles, in Aeroflot 'red' c/s; canx between 29jul19 and 06sep19
An-2R	<b>1G218-04</b>	RA-33017	Taks-avia	dam	18sep13	canx between 29jul19 and 06sep19
An-2R	<b>1G218-06</b>	RA-33019	Agrolyot		28aug19	preserved outside Zelenogorski muzei retro-avtomobilyei at St. Petersburg

An-2R	<b>1G223-18</b>	RA-40394	Lait Air	Ovm	04aug18	
An-2R	<b>1G225-23</b>	--	Servicios Aereos		05apr19	in yellow c/s in Rotterdam harbour to be shipped to Cuba; ex RA-33306 canx between 29jul19 & 06sep19
An-2R	<b>1G229-55</b>	--	Servicios Aereos		05apr19	same storey as c/n 1G-225-23; ex RA-33558
An-2R	<b>1G231-09</b>	--	Servicios Aereos		05apr19	same storey as c/n 1G-225-23; ex RA-01429
An-2R	<b>1G232-19</b>	--	Servicios Aereos		05apr19	same storey as c/n 1G-225-23; ex RA-01485
An-2R	<b>1G240-17</b>	--	Servicios Aereos		05apr19	same storey as c/n 1G-225-23; ex RA-02315
An-2R	<b>1G240-18</b>	--	Servicios Aereos		05apr19	same storey as c/n 1G-225-23; ex RA-02316
An-2	---	RF-90580	Russian Air Force	Rzd	17aug19	coded "23" yellow
An-2	---	RF-90581	Russian Air Force	Rzd	17aug19	coded "02" yellow
An-2	---	RF-90586	Russian Air Force	Rzd	17aug19	coded "20" yellow
An-24RV	<b>5 73 103 06</b>	RA-47306	KrasAvia	EIE	aug17	wfu rudder missing; canx between 29jul19 & 06sep19
An-26-100	<b>78 10</b>	RA-26180	TsSKB Progress AON	VKO	30mar18	canx between 29jul19 and 06sep19
An-26B	<b>112 06</b>	UR-ESD	Air Urga	rgd	11sep19	air-tested KGO 19sep19; ex YL-RAA
An-26B	<b>125 03</b>	RA-26124	not known	rgd	21jun11	for sale feb18; canx between 29jul19 & 06sep19
An-26	---	RF-36115	Russian Air Force	ZIA	22aug19	coded "42" red
An-28	<b>1AJ 009-12</b>	RA-28902	Siberian Light Aviation	IKT	24nov17	canx between 29jul19 and 06sep19
An-30	<b>09 10</b>	30048	Aerostroy	VOZ	28may19	no prefix, no titles, active; l/n VOZ 24aug19
An-30	---	868	Civil Aviation Adm China	photo	28jul19	at Hanzhong; wfu, engineless; reg not visible
An-72	<b>365 720 93 860</b>	RF-72964	Russian Air Force	CKL	20aug19	no titles
An-74-200	<b>365 470 98 966</b>	UR-ALH	Aerojet	rgd	27aug19	to Wallpoint Overseas LP; ex EK-74045(2)
An-74TK100	<b>471 95 01 4</b>	RA-74020	Shar Ink	IAR	02aug18	no titles; canx between 29jul19 and 06sep19
An-124	<b>977305 3 8 32057</b>	RF-82034	Russian Air Force	photo	2019	air to air picture, location unknown
L-410UVP-E20	---	RF-67744	Russian Air Force	photo	sep19	in all-grey c/sand only a Russian flag on the nose
II-76MD	<b>00334 46341</b>	UR-76560	Ukraine Air Force, n/t	Krv	mar17	wfu and in poor condition; reported scrapped sep19
II-76MD	<b>00334 47372</b>	UR-76563	Air Ukraine Cargo	Krv	mar17	wfu and in poor condition; reported scrapped sep19
II-76TD	<b>00634 68042</b>	RA-76483	Aviakon Zitotrans	ORS	mar18	stored canx between 26jul19 and 06sep19
II-76TD	<b>10034 03075</b>	UR-EAB	Yevropa Air	FJR	25nov18	canx between 08aug19 and 06sep19
II-76TD	<b>10134 07230</b>	UR-CMC	Yevropa Air	w/o	26jul19	canx between 08aug19 and 06sep19
II-76TD	<b>00734 79367</b>	UP-I7651	Azee Air	rgd	unknown	first rep. 24sep19 rep. at llyushin.org list ; ex ER-IAE
II-76TD	<b>10134 09303</b>	UR-CRP	Yevropa Air	w/o	26jul19	canx between 08aug19 and 06sep19
II-76TD	<b>10234 10355</b>	UR-COZ	Skyaviatrans	w/o	06aug19	canx between 08aug19 and 06sep19
II-76TD	<b>10234 11368</b>	UR-BXS	Yevropa Air	FJR	may18	canx between 08aug19 and 06sep19
II-76TD	<b>10234 12399</b>	UR-CRN	Yevropa Air	AAN	20nov18	canx between 08aug19 and 06sep19
II-76MF	<b>10634 21724</b>	360	Jordanian Int. Air Cargo	ZIA	sep19	returned to Jordan 20sep19; so not (yet ?) to Egypt
II-78MKI	<b>20434 25862</b>	KJ3453	Indian Air Force	DME	sep19	
Ka-52K	<b>35382001003</b>	"103" yellow	Russian Navy	ZIA	30aug19	c/n checked
Ka-226	---	RF-17620	Russian Air Force	Sso	sep19	coded "420" yellow
Ka-226	---	RF-91831	Russian Air Force	Sso	sep19	coded "425" yellow
Ka-226	---	RF-91833	Russian Air Force	Sso	sep19	coded "422" yellow
Ansat	<b>156 A 01</b>	"982" black	Vertolyoty Rossii	ZIA	30aug19	c/n checked
Ansat-U	<b>33 081 ?</b>	RF-13467	Russian Air Force	Sso	sep19	also coded "281" yellow; c/n not confirmed
Ansat-U	<b>33 082 ?</b>	RF-13468	Russian Air Force	Sso	sep19	also coded "282" yellow; c/n not confirmed
Ansat	<b>33 114</b>	RA-20035	Vertolyoty Rossii	rgd	15aug19	f/n ZIA 01sep19; ex "910" black
Li-2	<b>184 356 08</b>	URSS-S	MTsM-Sovkitmetall	rgd	03aug50	MTsM is the Ministry of Non-Ferrous Metallurgy
		CCCP-L4865	MTsM-Sovkitmetall	rgd	1950	registraion in register as 'L4865 URSS-S'
Li-2T	<b>56 03</b>	CCCP-L1287	AFL/Far East	no	reports	became, see next line
Li-2T		CCCP-84627	AFL/Yakutiya	rgd	jul57	crashed 18jun59 at Deputatsky; soc 15feb60
Mi-2	<b>52 4105 045</b>	CCCP-23579	AFL/Georgia	rgd	27may75	seen stored TBS 12aug19
Mi-2	<b>52 4801 056</b>	CCCP-20598	AFL/North Kavkaz	rgd	aug19	sat wfu at Severskaya (Krasnodar region), seen aug19
Mi-2	<b>52 8205 053</b>	CCCP-20866	for AISI, Georgia	TBS	12aug19	seen stored
Mi-2	<b>52 8721 054</b>	4L-20956	no titles	TBS	12aug19	
Mi-2	<b>54 8735 064</b>	UR-23363	KhNUVS	rgd	29jul19	Kharkov National University of Internal Affairs
Mi-2	<b>54 8736 064</b>	UR-23364	KhNUVS	rgd	29jul19	Kharkov National University of Internal Affairs
Mi-2	<b>54 8737 064</b>	UR-23365	KhNUVS	rgd	29jul19	Kharkov National University of Internal Affairs
Mi-2	<b>52 10544 038</b>	4L-14065	no titles	TBS	12aug19	
Mi-2	---	Z211144S	United Nations	photo	19oct17	211144 is the date of birth of the owner Siegfried Zellner; preserved in fake colours in private collection
Mi-4	<b>08 46</b>	CCCP-L0522	AFL/Yakutiya	toc	10jul57	opb 140 AO Yakutskoi OAG GVF; became
		CCCP-31522	AFL/Yakutiya	rgd	1958	dbr 30aug59, details unknown; soc 23sep59
Mi-4A	<b>02 76</b>	CCCP-66826	AFL/Urals	toc	03apr59	crashed 09sep60 when hit the trees on take off
Mi-8T	<b>9 81 01120</b>	RA-24677	KrasAvia	IAA	08feb16	canx between 29jul19 and 06sep19
Mi-8T	<b>9 84 20071</b>	RA-22900	UTair	IAR	03sep19	
Mi-8TP	<b>9 89 47138</b>	RF-90839	Russian Air Force	Eng	03sep19	coded "09" blue; t/t 2,019 hours and 6,454 cycles
Mi-8MTV-1	<b>9 5219</b>	UR-CNZ	Kroonk	rgd	25dec15	canx between 08aug19 and 06sep19
Mi-8MTV-2	<b>9 5369</b>	RF-34221	Russian MVD/VV	rgd	04jul06	coded "81" yellow; f/n Gorelovo 20aug19
Mi-8MTV-1	<b>9 5650</b>	RA-25502	Angara	w/o	02sep18	collided at 1,367 metres with the slope of a mountain
Mi-8MTV-1	<b>9 5737</b>	H-207	Croatian Air Force	ZAG	29jul94	c/n known now, ex CCCP-25121 and to RA-25121
Mi-8MTPR-1	<b>9 7410</b>	RF-04505	Russian Air Force	Kub	30jun19	c/n checked ZIA 30aug19
Mi-8MTV-1	<b>9 7516</b>	RA-24119 (2)		rgd	01aug19	
Mi-171E	<b>9 7582</b>	--	UUAPO	Uue	28jun19	no titles
Mi-171Sh	<b>171S00150507669U ?</b>	7669	Bangladesh Air Force	Uue	02sep18	
Mi-171Sh	<b>171S00150507681U ?</b>	7681	Bangladesh Air Force	Uue	31aug19	
Mi-8AMT	<b>8AMT00643177706U</b>	RA-22920 (2)		rgd	21aug19	
Mi-8AMT	<b>8AMT00643177707U</b>	RA-22921 (2)		rgd	21aug19	
Mi-8AMT	<b>8AMT00643187745U</b>	RA-24630 (2)		rgd	14aug19	

Mi-8AMT	<b>8AMT00643187746U</b>	RA-24635 (2)	rgd	14aug19		
Mi-8AMT	<b>8AMT00643187747U</b>	RA-24636 (2)	rgd	14aug19		
Mi-8AMT	<b>8AMT00643187748U</b>	RA-24638 (2)	rgd	15aug19	seen in in white c/s, no titles in UUAZ 22jul19	
Mi-8AMT	<b>8AMT00643187749U</b>	RA-24646 (2)	rgd	15aug19		
Mi-8MTV-5	---	RF-24754	Russian Air Force	Rzd	sep19	coded "55" white
Mi-8MTV-1	---	RF-32758	MChS Rossii	LED	12sep19	
Mi-8MT	---	RF-94960	Russian Air Force	Sso	sep19	coded "340" yellow; serial not visible on photo
Mi-8	---	ZA-WFE		SOF	sep19	looked former Heli Air Service c/s (but not ZA-MFE)
Mi-8	---	ZA-WFF		SOF	sep19	in what looked former Heli Air Service c/s
Mi-17	---	LH953720 & 21	Chinese Army	photo	2019	both ex LH917xx; opb 161st Brigade
Mi-17	---	LH953729 & 30	Chinese Army	photo	2019	both ex LH917xx; opb 161st Brigade
Mi-17V-5	---	LH992725	Chinese Army	photo	2019	72nd Bridage; ex LH927xx
Mi-17E	---	LH992736	Chinese Army	photo	2019	ex LH917xx; opb 161st Brigade
Mi-17-1V	<b>031M18</b>	LDMX-018	Azerbaijani Mol		03sep19	at Emgels; i/t 297 hours and 756 cycles
Mi-17-1V	<b>356M124 ?</b>	ZN3369	Indian Air Force	BOM	06sep19	
Mi-17	---	AF-641	Uganda Air Force	Uue	31aug19	with round windows
Mi-24D	<b>K20 115</b>	no serial	no titles	photo	28feb17	preserved in the Jurmala Airport; ex 115 Hungarian AF
Mi-24P	---	RF-34355	Russian Air Force	Eng	mid-19	coded "47" yellow
Mi-26TS	<b>34001212624</b>	RA-06272		rgd	30aug19	
Mi-24VP	---	RF-91212	Russian Air Force	OVB	2018	coded "109" white; in an unusial camo c/s
Mi-28N	---	RF-13659	Russian Air Force	ZIA	30aug19	coded "07" yellow
RRJ-95LR	<b>95 093</b>	60206	Thai Air Force	trf	15/16sep19	to the 602sq; f/n as such sep19; ex 60317
RRJ-95LR	<b>95 095</b>	60207	Thai Air Force	trf	15/16sep19	to the 602sq; not yet painted on; ex 60318
RRJ-95LR	<b>95 132</b>	60208	Thai Air Force	trf	15/16sep19	to the 602sq; f/n as such sep19; ex 60319
RRJ-95B	<b>95 193</b>	89130	primer	fff	12sep19	
Tu-22M3	---	RF-94138	Russian Air Force		aug19	at an unknown location now coded "29" red
Tu-134	<b>7 35 03 02</b>	EW-65614 (1)	Aeroflot	photo	21aug19	in Minsk Aviation College; scrapped in early sep19
Tu-134A-3	<b>60475</b>	RA-65577	Izhavia	IJK	03jul16	reported as scrapped in 2019
Tu-134A-3M	<b>66130</b>	65721	SibNIA	ROV	30aug19	reported retired sep19 for use as a ground trainer
Yak-12R	<b>02 4 02</b>	CCCP-L5801	AFL/Latvia	no	reports	became CCCP-05801 rgd 29may58
Yak-12R	<b>10 4 06</b>	CCCP-L5885	AFL/Krasnoyarsk	no	reports	became CCCP-07884 rgd 1958
Yak-12R	<b>13 4 23</b>	CCCP-T5958	AFL/Krasnoyarsk	no	reports	became CCCP-95958 rgd 1958
Yak-12M	<b>02 5 32</b>	CCCP-L5738	AFL/Latvia	no	reports	became CCCP-05738 rgd 09may58
Yak-12M	<b>05 5 24</b>	CCCP-L4102	AFL/Latvia	no	reports	became CCCP-74102 rgd 09may58
Yak-12M	<b>18 5 07</b>	CCCP-T481	AFL/Krasnoyarsk	no	reports	became CCCP-56481 rgd 09may58
Yak-12M	<b>18 5 13</b>	CCCP-T487	AFL/Krasnoyarsk	no	reports	became CCCP-56487 rgd 09may58
Yak-12M	<b>20 5 27</b>	CCCP-T606	AFL/Krasnoyarsk	no	reports	became CCCP-62606 rgd 09may58
Yak-12M	<b>20 5 30</b>	CCCP-T609	AFL/Krasnoyarsk	no	reports	became CCCP-62609 rgd 09may58
Yak-12M	<b>21 5 10</b>	CCCP-T684	AFL/Latvia	no	reports	became CCCP-62684 rgd 09may58
Yak-12M	<b>23 5 20</b>	CCCP-L802	AFL/Latvia	no	reports	became CCCP-40802 rgd 09may58
Yak-12M	<b>25 5 17</b>	CCCP-K715	AFL/Latvia	no	reports	became CCCP-72715 rgd 09may58
Yak-12M	<b>26 5 24</b>	CCCP-L878	AFL/Krasnoyarsk	no	reports	became CCCP-26604 rgd 09may58
Yak-12M	<b>26 5 25</b>	CCCP-L4081	AFL/Krasnoyarsk	no	reports	became CCCP-74081 rgd 09may58
Yak-12M	<b>26 5 26</b>	CCCP-L4132	AFL/Krasnoyarsk	no	reports	became CCCP-74132 rgd 09may58
Yak-12M	<b>26 5 29</b>	CCCP-L4298	AFL/Krasnoyarsk	no	reports	became CCCP-14298 rgd 09may58
Yak-12M	<b>6 12 7 120</b>	CCCP-L883	AFL/Krasnoyarsk	no	reports	became CCCP-07883 rgd 09may58
Yak-12M	<b>7 12 7 124</b>	CCCP-L889	AFL/Krasnoyarsk	no	reports	became CCCP-07889 rgd 09may58
Yak-12M	<b>7 12 7 126</b>	CCCP-L891	AFL/Krasnoyarsk	no	reports	became CCCP-07891 rgd 09may58
Yak-12M	<b>7 12 7 151</b>	CCCP-L531	AFL/Krasnoyarsk	no	reports	became CCCP-62531 rgd 09may58
Yak-12M	<b>7 12 7 154</b>	CCCP-L543	AFL/Krasnoyarsk	no	reports	became CCCP-62543 rgd 09may58
Yak-12M	<b>7 12 7 157</b>	CCCP-L546	AFL/Krasnoyarsk	no	reports	became CCCP-62546 rgd 09may58
Yak-12M	<b>9 8 216</b>	CCCP-T661	AFL/Krasnoyarsk	no	reports	became CCCP-62661 rgd 09may58
Yak-18T	<b>22202040118</b>	UR-FLAO	Kremenchug Flying School	IEV	14sep19	seen preserved in the State Aviation Museum at Kiev
Yak-40	<b>9 14 08 20</b>	RA-87647	Khabarovsk Avia	KHV	16oct06	canx between 29jul19 and 06sep19
Yak-40	<b>9 32 19 28</b>	RA-87303	Khabarovsk Avia	l/n	28jul09	active; canx between 29jul19 and 06sep19
Yak-40	<b>9 62 08 48</b>	RA-88188	Vologda AE	VKO	28aug19	with titles removed by; l/n VKO 30aug19
Yak-40K	<b>9 72 02 54</b>	RA-87900	Evenkiya	Kjc	09jun15	stored; canx between 29jul19 and 06sep19
Yak-42D	<b>452042 12 19 043</b>	RF-44710	Russian Air Force ?	CKL	22aug19	same colour scheme as RA-42411; l/n CKL 02sep19
Yak-42D	<b>452042 23 03 017</b>	RA-42421	UTair	GSV	23aug19	small UTair titles only
Yak-42D	<b>452042 14 01 018</b>	EK-42018	Mars Avia	ODS	19sep19	ferried ODS-LXR 19sep19
ARJ21-700	<b>118</b>	B-602W	Genghis Khan Airlines	h/o	may19	
ARJ21-700	<b>122</b>	B-001T (2)	COMAC		sep19	in a joint Urumqi/COMAC c/s on a route proving flight
ARJ21-700	<b>123</b>	B-603P	Chengdu Airlines	d/d	26sep19	in special "Chinese Dream" livery
ARJ21-700	<b>126</b>	B-603Z	Chengdu Airlines	d/d	22sep19	was testflown as B-001S (3)
ARJ21-700	---	B-601P	Chengdu Airlines	PVG	13sep19	in a special Panda livery
ARJ21-700	---	B-001V (2)	COMAC	PVG	sep19	already in full Chengdu Airlines c/s
H6K	---	55232	Chinese Air Force	photo	sep19	CTC/Transport & SAR Brigade
H6N	---	55031/2/3/4	Chinese Air Force	photo	sep19	all four CTC/Transport & SAR Brigade
Y7G	---	81531	Chinese Navy	photo	sep19	
KJ500	---	30170	Chinese Air Force	photo	sep19	26th Div/77th Reg
Y9	---	10655	Chinese Air Force	HZG	26aug19	4th Div/11th Reg

## PH register

### Newly registered aircraft:

PH-AUL	Europa XS TG	<b>591</b>	27aug19	Ex PH-AUL.
PH-DRD	Alpi Aviation Pioneer 400	<b>029</b>	16aug19	

PH-DWA	Embraer EMB-145LR	<b>14501000</b>		05aug19	Ex N650EC, B-3036, PT-SOV.
PH-HCH	Eurocopter EC120B	<b>1273</b>		15aug19	Ex G-DEVL.
PH-LRV	Van's RV-8	<b>82979</b>		06aug19	
PH-SUZ	Lindstrand LTL Series 1-70	<b>071</b>		29aug19	
PH-UUL	Europa TG	<b>161</b>		06aug19	Ex D-EBOA.
PH-WIS	Cessna 525C	<b>525C0297</b>		01aug19	
PH-WTG	Eurocopter EC135P2+	<b>1067</b>		21aug19	Ex D-HHCF, D-HECR, D-HECH.
PH-4T2	JMB Aircraft VL-3E	<b>322</b>		27aug19	
PH-4T6	Comco Ikarus C42 CS	<b>1809-7548</b>		09aug19	Ex D-MKTL.
PH-7P5	Eurobyl Silent Twin	<b>FLST 573615</b>		13aug19	
PH-8M9	Fly Products Gold 130+	<b>M2 6193</b>		02aug19	Ex PH-8M9.
PH-1633	Glasfögel Club Libelle 205	<b>150</b>		29aug19	Ex D-8681.

Change of ownership:

PH-DLB	Cameron A-200	<b>10484</b>	07390	21aug19	
PH-EBR	Falcon 900	<b>030</b>		01aug19	
PH-NNX	Cessna 750	<b>750-0232</b>		30aug19	
PH-RND	Piper PA-46-500TP	<b>4697450</b>		23aug19	
PH-RVN	Van's RV-9A	<b>91073</b>	07388	30aug19	
PH-SIE	Europa XS TG	<b>126</b>	08120	26aug19	
PH-THI	Titan T-51 Mustang	<b>M06XXC0HK0096</b>	08974	21aug19	
PH-TIN	Diamond DA40D	<b>D4.205</b>	07192	23aug19	
PH-YRD	Fire Balloons G	<b>967</b>	06197	26aug19	
PH-3G2	TL/96 Star	<b>99S29</b>	20545	21aug19	
PH-8X5	Fresh Breeze Snap 120	<b>309</b>	20934	21aug19	
PH-1059	Schleicher Ka-6CR	<b>328</b>	08888	26aug19	

Cancelled from register:

PH-ANP	Diamond-C DA20-A1	<b>10272</b>	07119	13aug19	To Hungary.
PH-BPR	Lindstrand LBL-105A	<b>113</b>	07397	05aug19	More than 1 year without valid airworthiness document.
PH-BYA	Beech 58	<b>TH-1609</b>	04912	01aug19	More than 1 year without valid airworthiness document.
PH-BYB	Beech 58	<b>TH-1613</b>	04913	01aug19	More than 1 year without valid airworthiness document.
PH-CRW	Cameron A-315	<b>11097</b>	07223	30aug19	More than 1 year without valid airworthiness document.
PH-GOM	RAF 2000 GTX	<b>H2-97-8-300</b>	05590	29aug19	More than 1 year without valid airworthiness document.
PH-GRA	Cessna F150L	<b>1006</b>	02088	29aug19	More than 1 year without valid airworthiness document.
PH-GRB	Fokker S.11-1	<b>6211</b>	02499	27aug19	More than 1 year without valid airworthiness document.
PH-GTM	Ultramagic M-105	<b>105/54</b>	07105	05aug19	More than 1 year without valid airworthiness document.
PH-HGE	Glasair Sportsman GS-2	<b>7397</b>	09078	05aug19	More than 1 year without valid airworthiness document.
PH-HHA	Schweizer 269D	<b>0014</b>	05066	29aug19	More than 1 year without valid airworthiness document.
PH-HIS	SOCATA TB-9	<b>1293</b>	07316	29aug19	More than 1 year without valid airworthiness document.
PH-IAD	Cameron N-210	<b>4059</b>	08769	05aug19	More than 1 year without valid airworthiness document.
PH-IBF	Cameron A-315	<b>10761</b>	06900	16aug19	To Turkey.
PH-IEH	Agusta AB139	<b>31046</b>	08600	21aug19	To N346MR.
PH-IRM	Aero Designs Pulsar I	<b>143</b>	08318	29aug19	More than 1 year without valid airworthiness document.
PH-LCT	Cameron A-140	<b>4732</b>	05904	05aug19	More than 1 year without valid airworthiness document.
PH-NGN	Cameron A-530	<b>10170</b>	06229	29aug19	More than 1 year without valid airworthiness document.
PH-NLV	Cameron A-415	<b>10918</b>	07035	29aug19	More than 1 year without valid airworthiness document.
PH-ORA	Thunder & Colt 42A	<b>1445</b>	08361	29aug19	More than 1 year without valid airworthiness document.
PH-PCV	Fuji FA-200-180AO	<b>FA-200-271</b>	08346	29aug19	More than 1 year without valid airworthiness document.
PH-PIX	SA226T Merlin IIIA	<b>T-267</b>	07162	19aug19	No longer compliant with requirements.
PH-RTD	Lindstrand LBL-150A	<b>840</b>	06250	05aug19	More than 1 year without valid airworthiness document.
PH-RWB	Cameron N-90	<b>920</b>	05006	05aug19	More than 1 year without valid airworthiness document.
PH-RYS	Cameron O-90	<b>4095</b>	08518	05aug19	More than 1 year without valid airworthiness document.
PH-SPN	Fokker Spin III	<b>5365</b>	06933	27aug19	Wfu.
PH-TBW	Thunder & Colt 77A	<b>2042</b>	08279	05aug19	More than 1 year without valid airworthiness document.
PH-TRB	Thunder & Colt 77A	<b>1362</b>	08515	30aug19	More than 1 year without valid airworthiness document.
PH-WMV	Fire Balloons G	<b>1105</b>	06571	05aug19	More than 1 year without valid airworthiness document.
PH-WRS	Cameron N-90	<b>4394</b>	06584	05aug19	More than 1 year without valid airworthiness document.
PH-ZOK	Lindstrand LBL-105A	<b>735</b>	07425	29aug19	More than 1 year without valid airworthiness document.
PH-1T6	Sky-Walker 1+1	<b>038-153</b>	20200	29aug19	More than 1 year without valid airworthiness document.
PH-1V2	Comco Fox-C22	<b>8803-3123</b>	20214	29aug19	More than 1 year without valid airworthiness document.
PH-1Y3	Behlen Vampire II 14.2	<b>S-88</b>	20348	29aug19	More than 1 year without valid airworthiness document.
PH-2K2	Comco Fox-C22	<b>9302-3490</b>	20441	29aug19	More than 1 year without valid airworthiness document.
PH-2S8	Pegasus Quantum 15	<b>6723</b>	20589	29aug19	More than 1 year without valid airworthiness document.
PH-2T8	Take Off Merlin	<b>23545</b>	08934	29aug19	More than 1 year without valid airworthiness document.
PH-2W2	TL-132 Condor	<b>96C05</b>	20444	29aug19	More than 1 year without valid airworthiness document.
PH-3T1	Aerospool Dynamic WT9	<b>DY028/2003</b>	20651	26aug19	To Germany.
PH-3X4	Aerospool Dynamic WT9	<b>DY092/2005</b>	20753	13aug19	To Germany.
PH-3Z7	Tecnam P92 Echo Super	<b>961</b>	20793	27aug19	To Germany..
PH-4A9	Air Creation Mild GTE503S	<b>132</b>	20812	29aug19	More than 1 year without valid airworthiness document.
PH-4J1	B&F FK.9 Mk.IV	<b>310</b>		29aug19	More than 1 year without valid airworthiness document.
PH-4L3	Air Creation iXess 15	<b>T03077</b>	08292	29aug19	More than 1 year without valid airworthiness document.
PH-827	Slingsby T43 Skylark 3	<b>1027</b>	05304	29aug19	More than 1 year without valid airworthiness document.
PH-860	Schleicher ASK-23B	<b>23112</b>	03900	29aug19	More than 1 year without valid airworthiness document.
PH-1023	PZL Bielsko SZD-51-1	<b>B-2134</b>	04886	26aug19	To G-CLXV.

Credits: Inspectie Leefomgeving en Transport.



This EC135P2 was registered on 28 August as PH-WTG. "WTG" is derived from 'Waiting', because operator HeliCentre has waited very long before they actually took delivery of this "Black Beauty". The helicopter has a VIP interior with six seats. Former operator was Helicopter Travel Munich where it was registered as D-HHCF. (Hilversum, 1 September 2019, Ernesto Bauer)

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Etihad Airways Boeing 787-9 A6-BLK received a special "Choose Japan" colour scheme in August 2019. (Munich, 15 September 2019, Martin Bach)

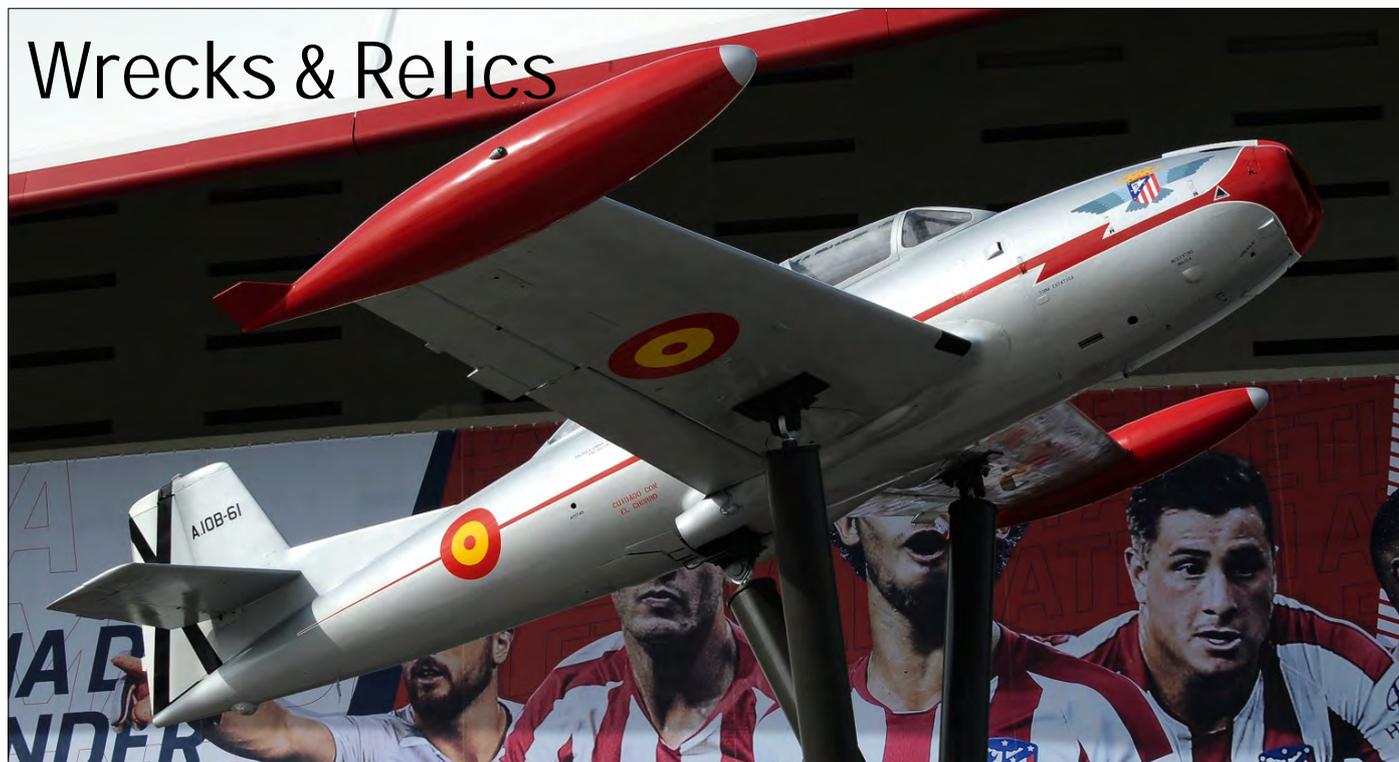


El Al Boeing 787-9X-EDM was delivered in "Jerusalem of Gold" special colours on 18 September 2019. In real life it looks better than on a picture. (London-Heathrow, 20 September 2019, Robert Eikelenboom)



In June 2007 EgyptAir ordered six Boeing 787-8 Dreamliners. This order was changed in six 787-9s in June 2013. All six aircraft were finally delivered between March and August 2019, including this SU-GET. (Frankfurt, 12 September 2019, Ad Jan Altevogt)

# Wrecks & Relics



Since September Spanish HA200D A.10B-61 is preserved outside the Atletico Madrid football stadium. (22 September 2019, Paco Rivas)

## Austria

Feldkirchen in Kärnten  
(U-71) Bu133C OE-AKF, ex Swiss, ex Wels sep19  
(47-0828) L-16 N94578, as 47-0042/LH-042 sep19  
This small airfield is at N46.71035, E14.07589.

Niederöblarn  
41106 Zlin 526M OO-YUG **1031** sep19  
This Zlin came from Zell am See. Also still here is Auster 5 MS980 OE-AAT.

Zeltweg  
3A-BM L-19E stored **23939** sep19  
3F-SR SAAB 91D stored **91455** sep19  
Both are stored dismantled in the museum hangar, on the spot where the MiG-21R 26112 used to be. The newly arrived MiG-21bis 110 is now on outside display.

## Belgium

Moorsele  
OL-L50 L-18C OO-CUB **18-3224** sep19  
The restoration of this Piper Cub has been completed at Antwerp and the former D-EKOH is now based here.

## Czechia

Blešno  
A yet unknown and boomless Mi-8 is parked at a yard along the main road from Hradec Králové to Blešno.

Kyjov  
5031 MiG-21UM preserved **516905031** sep19  
The MiG is parked at the back of a factory at N49.00261, E17.12070. It came from Chrast.

## Denmark

Vamdrup  
16068/71 Sk16A OY-FUD, ex SE-FUD **14-486** sep19  
The Harvard got its Danish markings in 2018.

## France

Paris Balard (75)  
(01) Rafale C preserved, as 15 sep19  
The former Châteaudun storage Rafale arrived at Base Aérienne 117 at Balard on 30 August. It has lost in black colours and is now painted grey with air force markings and serial 15.

Tarbes Ossun (65)  
421/F-RADA A310-304 stored **421** aug19  
The aircraft was ferried from Charles de Gaulle to Tarbes. It is now with Tarmac Aerosave and eventually scrapped.

## Germany

Beilngries (BY)  
(86+34) Bo105P SP-YGN **6034** sep19  
The other four aircraft listed in EMOOS were also noted.

Benneckenstein (ST)  
(8855)/07 MiG-21bis preserved **75078855** aug19  
The Kazmierz Wielkopolski MiG-21 arrived in May 2019 at the Ostdeutsches Fahrzeugindustriemuseum, which is at N51.67480, E10.71710.

Blomberg Borkhausen (NW)  
908 Yak-52 SP-YYC **832908** sep19  
The Yaks new home base (ex Rotenburg) is at N51.91658, E9.11157.

Donaueschingen Villingen (BW)  
(3814) S14B OE-AKA, ex Scharding **110202** sep19  
The former Swedish Klemm 35 is flying in German military colours.

Donauwörth Genderkingen (BY)  
AT-6D 42-86328/D-FURY and P3-05 A-852/D-EYOU were not found at Schwabmünchen and were reported to have moved to Genderkingen.

Egweil (BY)  
(E.3B-621) CASA 1131E D-EEQM sep19  
This airfield is at N48.78272, E11.21761, which some 6 kilometre north east of Neuburg. This aircraft was listed with base unknown in EMOOS.

Eutingen (BW)  
5052/182 Sk15A D-EBUX **1981** sep19  
The former Swedish Klemm 35 made it first post restoration flight on 5 August 2019. It had not flown since 1962. Eutingen is at N48.48392, E8.77217.

Gelnhausen (HE)  
(61239) N2S-5 N5527N **75-5361** sep19

Großenhain (SN)  
(E.3B-489) CASA 1131E D-EBPP **2091** sep19  
The former Klippeneck CASA is now based here in the big

hangar. It was first noted here in June 2018.

Haar (BY)  
(37) Mirage 5F instructional 37 sep19  
The cockpit of the Mirage is used as a flight simulator with SFM (SimFlug München) at the Siedelhofstraße 3. This is just east of München. The cockpit used to be at Ismaning.

Landshut Ellermühle (BY)  
(E.3B-606) CASA 1131E D-EFCB 2225 sep19  
Bu131 D-EBPT/A-50 and Bu133s D-EIII and D-EJJI are also still here.

Meschede Schuren (NW)  
(OL-L16) L-18C D-EHCF 18-3190 sep19  
The Super Cub was last reported in storage at Paderborn.

Neuburg (BY)  
Noted in the base museum hangar are:  
21+52 F-104G preserved 7021 sep19  
(21+83) F-104G preserved, cockpit 7052 sep19  
38+10 F-4F preserved 4635 sep19  
(56+17) Do27A-1 D-EFAZ, as 56+13 285 sep19  
91+61 FWP149D (D-EGME), preserved 183 sep19  
(55-4928) F-86K preserved, as JD+119 sep19

In a tent-shelter used by the museum:  
(94+56) T-33A stored, as 94+55, ex Gatow sep19

In the aero club hangar are:  
(56+69) Do27A-3 D-EDPZ, ex Bremgarten 367 sep19  
96+17 L-18C D-EDSL, ex Lechfeld 18-3438 sep19  
(96+32) L-18C D-EBXF, stored 18-3456 sep19

In a shelter used by the aero club:  
(55+45) Do27B-1 D-EFQV, std, ex Kaufbeuren sep19  
(92+25) P149D D-EEAZ 323 sep19

On base were:  
37+61 F-4F preserved 4497 sep19  
38+74 F-4F preserved 4792 sep19  
(80+47) Bo105M stored 5047 sep19

Northeim (NI)  
(41108) Zlin 526M D-EEED, ex Yugoslavia 1033 sep19  
This aircraft was listed with base unknown in EMOOS.

Oldenburg Hatten (NI)  
(56+84) Do27B-3 D-EDFL 392 sep19  
This aircraft was listed with base unknown in EMOOS.

Rothenburg ob der Tauber (BY)  
49-1742 T-28D N1742R 159-254 sep19  
This airfield is at N49.39120, E10.21851.

Schönberg (BY)  
(1077) SV-4C D-EFFB 1077 sep19  
The Stampe is based at N48.04811, E12.50308.

Schwenningen (BW)  
(WE571) Terrier 2 HB-EUD, stored B616 sep19  
The Beagle had its wings removed and is stored in a tent at the museum. It used to be at Speck, Switzerland.

Stade (NI)  
(E.3B-533) CASA 1131E D-EGSY 2149 sep19  
This aircraft was listed with base unknown in EMOOS. It flies in German colours as SB+BD.

Straubing Wallmühle (BY)  
(A-18) Bu131AMP D-EAUK 27 sep19

Wilhelmshaven (NI)  
(HB653) Argus 3 D-EROT, yellow/red c/s 891 sep19  
The former HB-ERO from Lommis was under restoration at Hodenhagen in 2018 and is now based at Wilhelmshaven.

## Italy

Forli (FO)  
MM53801/4-01 T-6H-4M restoration aug19  
The former Fiumicino is under restoration with 2 Gruppo Manutenzione Autoveicoli at the via Leucardio where it arrived on 19 March 2019.

Istrana (TV)  
MM7179/51-64 AMX preserved IX091 jan19  
The stored AMX has reduced to a forward fuselage only, refurbished and used for displays.

Milano Malpensa (MI)  
MM80434/EI-964 A129C preserved 29066 sep19  
The Mangusta arrived during September at the Volandia museum.

Pratica di Mare (RM)  
MM81443/GF-201 AB412HP stored 25701 sep19  
The Bell made its last flight on 11 September and is earmarked for the local Museo Storico del Servizio Aereo della Guardia di Finanza.

## Poland

Kraków  
The An-2 4495 marked at the 16 Batalion Powietrznodesantowy (parachutists) barracks in town had been identified as pure civil SP-WWM.

## Portugal

Santarem  
Former Finnish PA28RT-201 PA-11 is said to have come D-ELLM and should be based here.

## Spain

Getafe  
E.22-02 Beech C90 stored LJ-621 may19  
The aircraft suffered a landing accident on 1 December 2012. It was declared damaged beyond repair and has been stripped of useful parts. Is was still parked in a hangar in May 2019.

Madrid  
A.10B-61 HA200D preserved 20/67 sep19  
As expected, see Scramble 479, the Saeta is now preserved outside at the Wanda Metropolitano Stadium of Atlético football club (N40.43622, W3.59951).

## Turkey

Izmir  
90312/TE-312 T-37B preserved 40474 aug19  
The T-37 is preserved at the military language school is on the waterfront in the western outskirts of town. It is parked next to F-104G 65-8347.

## United Kingdom

Carlisle Airport, Cumbria  
The Solway Aviation Museum is expecting to take delivery of Fairey Gannet ECM6 XA459 from White Waltham shortly.

Chard, Somerset  
XS507 Wessex HU5 preserved WA176 aug19  
A Wessex formerly based at RAF Benson can now be found with the helicopter collection at the Chard Equestrian Centre at the Higher Purtington Showfield.

Neatishead, Norfolk  
Two Lightning cockpits re-discovered on a farm in Brisley were transported to the RAF Radar Museum Norfolk on 13 September 2019. They will go into storage initially. Their identities are at present unconfirmed, but they are likely to be F2A XN795 and T5 XS421.

Teesside IAP, Durham  
XZ360/FN Jaguar GR3 instructional S127 aug19  
(XZ652) Lynx AH7 instructional 193 aug19  
(XP330) Whirlwind HAR10 instructional WA350 aug19

The SERCO International Fire Training Centre on the east side now has three ex-military instructional aircraft. All are used for rescue training rather than burning. The Jaguar, which has the fin from an aircraft coded FL fitted, arrived from Everett Aero at Bentwaters on 28 August 2019.

Credits: Mike Bursell, Ed Davison, Tim Jones, Steve Ozel, Paco Rivas, Tony Szulc, Neil Williams.

# Dustpan & Brush



*Regional Express Américas is the working name of the regional department of Avianca. HK-5041 was delivered to the company in July 2014. The aircraft was damaged on 7 September 2019. (José María Córdova International Airport, 10 July 2015, Erik Sleutelberg)*

## Additions & Corrections:

25aug17 ..-20019 MH-60M w/o  
The Fiscal Year needs confirmation.  
See Scramble 461.

19aug18 ..-20338 UH-60M w/o  
The Fiscal Year needs confirmation.  
See Scramble 472.

13aug19 RA-24115 Mi-8T **98839750** dam  
See Scramble 484.

## New Accidents:

05apr19 N977DL MD-88 **53258** w/o  
Initially this Delta Air Lines MD-88 incident was classified as minor damage, since the aircraft was 'only' struck by a tug while taxiing. At the time it was about to operate flight DL1276 from Atlanta-Hartsfield Jackson International Airport (GA) to Syracuse-Hancock International Airport (NY), but that flight got cancelled. Given the imminent retirement of the McDonnell Douglas fleet at Delta it was considered damaged beyond economical repair and broken up at Atlanta in July, hence it is now 'written off'.

31aug19 LN-OFU H125 **8721** w/o  
An Airbus H125 (delivered 4 June 2019) of Helitrans crashed in Skoddevarre, near Alta, Finnmark, Norway. The chopper flew local sightseeing flights during the "Høstsprell" local music festival. All six occupants were killed and the helicopter was destroyed. One occupant is missing, one was transported to the hospital.

31aug19 C-FTGZ CJ-6A **1532014** w/o  
Two aerobatic aircraft were flying acrobatic manoeuvres during the Smith Hondo Fall Fair when one aircraft, a private Nanchang CJ-6A, disappeared and impacted terrain under unknown circumstances east of Smith, about sixty kilometres east of Slave Lake (AB). The aircraft was destroyed and the sole pilot onboard received fatal injuries.

31aug19 HK-4567 PA-34-200T **34-7770328** w/o  
A Piper PA-34-200T Seneca II was found destroyed on an illegal landing strip, at Sierpe, Palmar Sur de Osa, Puntarenas, Costa Rica. It had been used for transporting drugs. People tried to bury the plane to keep the crash unnoticed.

31aug19 N551WH Ce510 **510-0055** dam

A Jet Citation Mustang (operating for Desert Jet), performing flight DJR551 from El Monte (CA) to Thermal Airport (CA), was substantially damaged when it suffered a runway excursion during a take-off attempt at San Gabriel Valley Airport (CA). The pilot and passenger sustained minor injuries.

01sep19 RP-C2296 Beech B300 **FL-196** w/o

Authorities said nine people were dead after the private Beech King Air crashed in a mixed use residential property in Miramonte Village in Barangay Pansol, Calamba, Laguna. The National Disaster Risk Reduction and Management Council said the two people injured in the incident were caretakers of the house where the plane crashed. They suffered burns and were brought to hospital. The Civil Aviation Authority of the Philippines (CAAP) said the Beech lost radar contact at 15:10hrs local time, while flying 25 miles from Manila. At that time, it was cruising in marginal weather conditions. Police said the flight left from Dipolog at 13:40. Eyewitnesses reported seeing the plane flying at a low altitude, with a loud engine, before it plummeted and exploded. Video footage of the accident shows it descending at a significant bank angle while trailing smoke. It crashed into a swimming pool of the Pansol resort.

02sep19 XB-PTW BAe125-700A **257083** w/o

The private BAe125 was apparently engaged in an illegal flight, carrying a crew of two. It crashed under unknown circumstances near Champerico, Guatemala, and was totally destroyed by impact forces and a post-crash fire. According to the flight plan, the aircraft was supposed to fly from Zihuatanejo to Chetumal with one passenger and two crew members. Guatemalan authorities reported that the flight was illegal and that the aircraft was presumed transporting a load of cocaine.

03sep19 RF-95141/96RD Su-25UB **38220136832** w/o

A Su-25UB Frogfoot of the Russian Federation - Aerospace Forces (RF VKS) crashed in the Stavropol Territory, near Budyonnovsk. The dual seat attack aircraft came down while on a standard training flight. Both pilots used their ejection seats, and a search for them is ongoing. Just before the crash the plane lost contact with Air Traffic Control. It crashed in a remote and deserted area. Unconfirmed; the aircraft was previously assigned to the 1st Guards Stalingrad Svirskaya Composite Air Division, 368th Assault Aviation Regiment (368

ShAP) at Budyonovsk (Russia). This is the nearest Su-25SM (and UB) Frogfoot base in Stravopol region.

04sep19 D-HAUE AS350B3 **3549** dam

The firefighting helicopter, of Protection and Relief Intervention Group, which was taking part in firefighting operations, crashed upon take-off from Pampilhosa da Serra Airfield, Coimbra, Portugal under unknown circumstances and ended up on its right side, sustaining substantial damage. One out of the six occupants was slightly injured.

04sep19 Ce340 w/o

One of the many material victims of Hurricane Dorian, and it only stood still at Grand Bahama International Airport, Bahamas...

05sep19 Mi-8MTV w/o

A Russian Federation Aerospace Forces Mi-8MTV was taxiing out for a two-ship departure (with another Mi-8MTV, both on a cross country trip) when the leader made a right turn to allow the right gear to lift off. During this it touched the ground with the main rotors causing the Mi to turn over and catch fire. The crew managed to escape and was uninjured, the Mi was less fortunate and completely destroyed. It all took place near Sokolovy, six kilometres south-west of Saratov, near Sokol training base.

05sep19 CS-HEY AS350B2 **9027** w/o

One person is dead after HTA Helicópteros Ecureuil tackling a blaze in Valongo (Porto district) crashed. Witnesses described a "huge explosion" following a collision with overhead electric cables. The pilot, Manuel Ferreira, was the 37-year-old firefighter chief of a local fire station and an air force pilot by profession.

05sep19 OE-GES Ce560XLS+ **560-6036** dam

The Cessna Citation XLS of Skyline Aviation sustained serious damage to the left-hand wing leading edge when an airport vehicle ran into it. The aircraft was parked in front of a hangar in night-time conditions. The vehicle fell over and the driver was injured.

06sep19 Su-34 dam

06sep19 Su-34 dam

During a training flight in the Lipetsk region, two Russian Air Force Su-34s collided mid-air. Luckily both pilots managed to land their damaged fighters. According to reports, they made contact with one another in the air due to a loss of visual contact. "The leader hit the wingman with the end of the wing by the cockpit; while trying to turn their jets away, they collided again. At the same time, debris got into the engine of one of the planes," an unnamed source a media outlet. Even though they managed to land the aircraft they both sustained serious damage. The cabin, engine and fuselage of one of the planes was damaged. The wingtip was ripped off the other, which contained equipment that was part of its electronic countermeasures system.

06sep19 VH-UVC UH-1H **5144** w/o

Former Iroquois 65-10100 of the United States Army (now flying for Brisbane Helicopters) impacted the waters of the sea near Port Stephens, Anna Bay (NSW). There were four men and one woman onboard the aircraft. It was flying between Coffs Harbour Airport (NSW) to Hunter Valley, when it went missing. Debris was spotted during the search north of Newcastle, with Marine Rescue NSW volunteers searching south of Fisherman's Bay in deteriorating conditions (wind gusts up to 125kmh), which eventually caused the suspension for the search on 7 September.

07sep19 GB1 w/o

At 13:25 hrs local time, one of the brand new GB1 GameBirds of the famous Fuerza Aérea de Chile Escuadrilla Alta Acrobacia 'Halcones' crashed near its home base El Bosque, in Santiago, Chile. Fortunately, the pilot managed to escape by parachut-

ing out and suffered some minor injuries to his head. The Game Composites GB1 GameBird was still being tested as the team is in the process of receiving seven of these acrobatic aircraft that were ordered back in March 2019 to replace their Extra EA300L. The cause of the crash is still being investigated. We are aware of three that were delivered and were flying on the seventh; 20 (c/n 0005, ex N259GC), 21 (c/n 0006, ex N963GC), and 22 (c/n 0007, ex N898GC), however, we do not yet know which one was involved.

The Game Composites GB1 GameBird is a British single-engine, two-seat, aerobatic aircraft that was designed by Philipp Steinbach and the first prototype was built by Game Composites.

07sep19 HK-5041 ATR72-212A **1160** dam

Avianca flight AV4852, (operated by this ATR of Regional Express Américas) suffered a tail strike during a hard landing on runway 10 at Manizales-La Nubia Airport, Colombia. Over the runway threshold the aircraft suddenly sank and the rear fuselage impacted the runway. The aircraft bounced and eventually made a 'normal' landing, before a roll out and taxi to the parking position. Onboard were five crew members and 49 passengers. Here is a surveillance camera recording on YouTube: [www.youtube.com/watch?v=2c8431Gr\\_xM](http://www.youtube.com/watch?v=2c8431Gr_xM)

09sep19 HB-ZWR Bell 505 **65125** dam

A Bell 505 JetRanger X of Fuchs Helikopter (owned by Loxia Swiss) rolled over after landing in snow on the Vorab glacier above Laax, Graubünden, and received substantial damage. One of the five occupants was injured.

09sep19 N19TV Bell 206B-3 **2716** dam

A Bell JetRanger III of Abbett Farms impacted a truck and a trailer during an emergency autorotation while performing a crop-dusting flight north-west of Walkerton, St. Joseph County (IN), in the 68000 block of Poplar Road. The helicopter sustained substantial damage during the subsequent rollover and the sole pilot onboard received minor injuries.

11sep19 D-FIDI Ce208 **208-00301** w/o

Big shock for German operator GoJump after one of their Cessna Caravans crashed during the approach to Gransee Airfield, Germany, seventy kilometres north of Berlin. It had dropped fourteen parachutists in northern Brandenburg and was on the way back when the accident happened. Sadly the 31-year-old pilot was killed.

11sep19 N24DR CV440F **393** w/o

The Toledo Lucas County Port Authority confirmed that two people were killed when a private Convair crashed just one kilometre short of Toledo Express Airport's runway 25 (OH). It had left Millington-Memphis Airport (TN) earlier, and it crashed on top of two semis at Bubba's Auto and Diesel near the airport. Police on the scene said the Convair was fully engulfed in flames when they arrived on the scene. Airport police said there was no mayday call from the crew and the first call they got was for the crash itself. So, the reason for the crash remains unknown for now.

11sep19 BAe125-700 w/o

Technically speaking not a write-off, but since this drug runner's cabin was set on fire we highly doubt it will ever fly again. Especially given its location, in the middle of a soy bean field at Chencoh, Hopelchén, Mexico.

12sep19 N100CK Bell 206B-3 **4644** dam

An Akuas Heli Bell JetRanger III experienced a dynamic rollover on open field terrain west of Hill City, Pennington County (SD). The helicopter sustained substantial damage and the two occupants onboard received minor injuries.

13sep19 P2-TAH BK117C-1 **7504** w/o

Tribal Aurora Helicopters' BK117 had gone missing in Papua New Guinea with two persons onboard. The wreckage of the helicopter was seen floating in the sea after a search and



Puma XW231 was built in 1972. In 2013 the helicopter was converted to Puma HC2. Part of the Benson pool (at RAF Benson), it is being used by 28sq, 33sq and 230sq. (RAF Fairford, 1 January 1980, David Alders)

rescue operation. The engineer in the helicopter survived the crash, but the pilot is missing and presumed dead. It was flying between Buka and Tokua but never arrived at its destination.

15sep19 HK-5229 PA-31-350 **31-7405212** w/o

Shortly after take-off from Popayán-Guillermo León Valencia Airport, while climbing, the twin engine Piper Navajo Chief-tain of TransPacíficos went out of control and crashed onto a house located near the airport. Seven occupants were killed while two others were seriously injured as well as five people on the ground.

15sep19 HC-CKU AS350B3 w/o

The Ecureuil of Avioandes crashed with two persons onboard near Cuambo, Imbabura Province, Ecuador. Both persons were killed as a result, and local DGAC (Dirección General de Aviación Civil) personnel retrieved the bodies and commenced the investigating into the cause of the accident.

16sep19 PT-MHC Ce208B **208B-0543** w/o

TwoFlex Táxi Aéreo Inteligente's Cessna Grand Caravan crashed near Eduardo Gomes International Airport in Manaus, shortly after take-off in rainy conditions. The Cessna was lost and its ten occupants received injuries. It was bound for Maués, 276 kilometres from Manaus. The Fire Department reported that the site is difficult to access. A Brazilian Air Force helicopter was dispatched to rescue the victims.

18sep19 PK-CDC DHC-6-400 **950** w/o

A Carpediem Aviation de Havilland Twin Otter, performing a freight flight from Timika to Ilaga (Indonesia) with one passenger, three crew and 1,700 kilos of rice, was enroute about fifteen minutes prior to landing in Ilaga (estimated at 11:09hrs local time) when radio contact with the aircraft was lost at 10:54. Search flights were dispatched. The local police station at Ilaga reported the weather enroute was "good enough" for the flight. The aircraft had departed Timika in clear skies, and the weather at Ilaga was good. The search for the aircraft had to be stopped due to thick fog which always sets in around noon. Flights between Timika and Ilaga usually take between thirty to forty minutes depending on weather.

The following day the SAR team reported the aircraft had not yet been found. The primary focus was a location thirty miles from Timika at a heading off 055, that area was searched twice without success. The search was expanded to the last known radar position of the aircraft, which was S4.1801 E137.4067 (true track 55 degrees 37.5 miles from Timika).

20 September the SAR team reported they are now searching for the missing Twotter with seven aircraft; four from Susi Air, two Carpediem Twin Otters and one CN235 of the Indonesian Air Force. The search is made difficult by poor weather conditions. Mountain tops rising up to 14,200ft are within the search area. So far no signal has been received from any ELT (Emergency Locator Transmitter), hence the SAR still do not rule out an emergency landing, and still hopes to find survivors.

On 22 September the SAR team reported that a chopper found a wreckage at a mountain ridge about ten kilometres from Mamontoga Village, an Indonesian Air Force CN235 also located the wreckage.

Two days later the SAR team released a photo of the crash site stating the wreckage is at position S4.124197 E137.488433 at 13,543ft. It hit a wall about eighty to ninety degrees steep. The following day they were able to reach the crash site and evacuated all four bodies, taking them to Timika. The next missions are dedicated to find and recover the black boxes. A sad end to this tragic crash, which most likely will enter the books as a CFIT accident, or Controlled Flight Into Terrain.

18sep19 E.26-05/79-52 T-35C **123** w/o

The Ejército del Aire lost an Enaer T-35C Pillán after it crashed in the Mar Menor when it was about to land at Murcia-San Javier around noon. Unfortunately, both the instructor as well as his student died on the scene.

19sep19 FB18 F-16BM **6J-18** w/o

Both pilots of this Belgian Air Force Viper ejected safely, although one ended up entangled in high tension power cables for nearly two hours. The F-16 (on a routine navigation flight out of Florennes AB) suffered an inflight engine fire and ended up crashing in a residential area at Guernic, Pluvigner, Morbihan, France. It clipped a house (which got

severely damaged) with its wing before crashing into a corn-field. Luckily nobody on the ground was injured.

20sep19 N895SF Ce208B 208B-0095 dam

Upon landing at Pepperell Airport (MA), after a skydive run, the nose of the private Cessna Grand Caravan hit the runway, which caused the Cessna to veer off the runway and crash into some bushes. The two occupants survived the crash.

22sep19 N77KZ DHC-2 950 dam

The private Beaver impacted a bank during an attempted take-off from a lake in Mountain Village (AK). The aircraft sustained substantial damage and there were no reported injuries.

23sep19 VT-UTC AS350B3e 7585 dam

UTair India's Ecureuil suffered a lot of damage after a failed take-off attempt from the Kadernath helipad, Uttarakhand, injuring all six onboard.

23sep19 5H-AAM Ce208B 208B-2430? w/o

The Auric Air Cessna Grand Caravan departed Seronera Air-strip, Tanzania, in the early morning on a short flight to Grumeti Game Reserve-Kirawira B Aerodrome, about forty kilometres to the north-west. Shortly after take-off however, the airplane went out of control, struck a concrete wall and crashed upside down. The pilot and the sole passenger were killed.

24sep19 1917 Ce208 20800267 w/o

An instructor pilot and his student were killed during a crash of a KASET Cessna Caravan, of the Bureau of Royal Rainmaking & Agricultural Aviation. It dived into the ground during a training flight and left Surasi military camp, in Muang district (9th Infantry Division), early in the morning. Thirty minutes later, the aircraft was lost in the Sai Yok district. Authorities are trying to determine the cause of the crash, which could be an engine problem.

24sep19 N108LS Ce337G 33701488 dam

The ADS South Cessna Super Skymaster went off the runway at Northeast Florida Regional Airport (FL) and sustained substantial damage. Both occupants onboard received minor injuries.

24sep19 C-GEB. Bell 206B-3 w/o

E&B Helicopters lost one of its nine Bell 206s after it impacted the roof of a house at the Tyee Spit, Campbell River (B.C.) and crashed for unknown reasons. There was a post impact fire as it came down close to a carving shed on the Wei Wai Kum First Nation reserve, and the fire consumed the chopper and sadly the pilot died too.

24sep19 YVO134 Ce208B 208B-0905 dam

A Cessna Grand Caravan of the Gobernación del Estado Bolívar was substantially damaged when it flipped over on landing at San Salvador de Paúl Airstrip, Venezuela. The airplane came to rest inverted. Seven occupants were injured.

25sep19 MiG-21UM w/o

The MiG-21 of the Bharatiya Vayu Sena (India Air Force), with two pilots onboard, crashed around 10:00 hrs local time near Gwalior. The Bison was on a routine training mission and originating from Gwalior-Maharajpur Air Force Station (AFS). It came down about six miles from the base during its landing attempt. Luckily, both pilots ejected safely and were picked up by rescue helicopter. Possibly, the Bison belonged to the TACDE (Tactics & Combat Development Establishment) at Gwalior which operated at least in the past (2003 time-frame) with the MiG-21U and MiG-21UM.

26sep19 UH-60A w/o

One soldier is dead and three others are injured following a United States Army Black Hawk crash early Thursday morning in the training area at Fort Polk (LA). The crash occurred just after midnight as a four-person crew in a UH-60 (from 1st Battalion, 5th Aviation Regiment), were conducting a medical evacuation mission of a soldier at the base's Joint Readiness Training Center. The helicopter crashed en route to the soldier who was in need of medical transport. The soldier was not involved in the crash. Emergency services responded and the three injured crew members now are in stable condition. One was taken to Bayne-Jones Army Community Hospital on base and the other two were taken to Rapides Regional Medical Center in Alexandria (LA). Fort Polk is in central Louisiana and has about 8,000 active-duty personnel. It also has an average daily rotational population of about 5,700 soldiers, primarily through the Joint Readiness Training Center, which accommodates large-scale exercises for brigade combat teams on a rotational basis.

26sep19 N4143N PA-34-220T 3449133 dam

A private Piper Seneca V encountered a hard landing at Bellingham International Airport (WA), resulting in the collapse of the left main landing gear and substantial damage to the aircraft. It had left Seattle-Boeing Field International Airport (WA) earlier in the day. The three occupants were not injured.

26sep19 ZP-BAE Ce402B 402B0310 w/o

A technical malfunction was reason enough for the pilot of this Aerotax Cessna 402 to crash-land in a field at Coronel Oviedo, Paraguay. All four occupants survived the crash. It was flying between Ciudad del Este-Guarani International Airport and Asunción-Silvio Pettirossi International Airport when the incident took place.

27sep19 HAL Chetak w/o

The Indian Army lost a HAL Chetak (Indian licence buil Alouette III) under unknown circumstances at Bhutan. Both pilots (one Bhutanes and one Indian) died in the crash.

Credits: Aviation Herald, B3A, ASN, Leo Hoogerbrugge, CNN Philippines, B3A, TASS

# Aviation Day

## Saturday 30 November 2019

For details about the Aviation Day 2019: [www.scramble.nl/aviation-day](http://www.scramble.nl/aviation-day)

Reservations Air Fete tables: [airfete@scramble.nl](mailto:airfete@scramble.nl)

# Military news & updates



Chased by Italian AF F-2000A MM7347/36-53 of 36° Stormo/12° Gruppo, the first Italian built F-35A for the Netherlands Air Force (F-009) took off for the first time on 9 September 2019 from FACO Cameri plant. The F-35A is expected to arrive at Leeuwarden on 31 October 2019. (Paolo Rollino)

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

## Europe

### Netherlands

Koninklijke Luchtmacht (AF)

#### F-16AM

J-642 Volkel ex 312sq **6D-74** sep19  
 Sadly, another F-16AM was withdrawn from use last August. J-881 will follow in November 2019.

#### F-16BM

J-882 312sq ex 313sq **6E-23** sep19

#### F-35A

F-009 Lockheed Martin f/f 09sep19 **AN-09** sep19  
 On 12 September 2019, a roll-out ceremony took place at the Amari factory in Italy. F-35A F-009 is the first aircraft that will be based in the Netherlands. The aircraft will be delivered to Leeuwarden airbase on 31 October 2019.

#### KC-30M

T-054 **1830** sep19  
 This KC-30M was spotted in full RNLAf c/s but the new military registration was taped over. Early reports mentioned that the serial range for the KC-30Ms would be M-xxx, with the first one M-001. However, pictures on the internet show this aircraft with serial T-054 before it was taped over. This serial has also been confirmed by sources with the RNLAf.

#### SA316B

A-247 to Malta as ? **1247** sep19  
 A-292 to Malta as ? **1292** sep19  
 Both Alouettes were stored at Gilze-Rijen Airbase since they were withdrawn from use. We can now mention that both

Alouettes arrived in Malta and will be used as a spare source for the remaining Alouette IIIs of the Air Wing of the Armed forces of Malta.

### Belgium

Luchtcomponent/Composante Air/Air Component [AF]

#### F-16AM

FA81	10w	ex	<b>6H-81</b> aug19
FA91	2w	ex 10w	<b>6H-91</b> aug19
FA127	10w	ex 2w	<b>6H-127</b> aug19

F-16AM FA81 was stored at EBBL since 2012 but was seen flying again last August!

#### F-16BM

FB18	10w	w/o 19sep19	<b>6J-18</b>
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F-16BM FB18 suffered an engine failure during flight and crashed near Lorient, Pluvigner, Morbihan (France). The crew ejected safely. 10 Wing at Kleine Brogel has now only five active dual aircraft in their inventory.

### Austria

On 28 August 2019, the Österreichische Luftstreitkräfte unveiled its first-ever special painted EF2000 Eurofighter (7L-WB) at the official press conference of AirPower 2019 at Zeltweg. The tail and the external fuel tanks represent the Austrian Eurofighter fleet, which has been in service since July 2007.

Österreichische Luftstreitkräfte (AF)

#### EF2000

7L-WB	ÜbwGesch	special livery	<b>142/AS002</b> sep19
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### Bosnia and Herzegovina

#### Zračne snage Vojske Federacije BiH (AF)

Bosnia and Herzegovina ordered two Bell UH-1H Huey II helicopters. The gap-filler emergency purchase was already approved by the government in December 2017. From the bids of Airbus and Bell the Huey-II was chosen over the more

expensive H145. The two Huey-II's will be delivered by the USA under the Foreign Military Sales program. Both helicopters are reported to be ex-US Army examples upgraded to Huey-II. The total costs for Bosnia and Herzegovina will be around US\$ 5 million.

The order of two Huey-II's will not solve the helicopter problem. It was reported that last year the only around 16% of the helicopter fleet was operable. According to our database the 'active' helicopter fleet consists out of eight Gazelles, three Mi-8T, five Mi-17 and between nine and twelve UH-1H. A project to overhaul 4 helicopters was started back in December 2013, but again and again the tenders were cancelled due to complaints from participants. As a result of the last tender in 2017, the offer from Helisotas (Lithuania) was approved, but again the order was scrapped over a complaint from Russian Helicopters. Since then the active number of Hips was reduced to just two. The military plan of 2015 advised a procurement of as many as fifteen light helicopters and eight medium transport helicopters, but a lack of money has since significantly delayed the modernisation.

## Finland

Ilmavoimat (AF)

### F-18C

HN-421 HävLLv 31 ex HävLLv 11 **1412/FNC021** sep19

## Germany

Luftwaffe (AF)

Exercise Cobra Warrior took place at Royal Air Force base Waddington. The exercise rehearsed scenarios to develop tactics for complex conflict situations. The exercise was hosted by the Royal Air Force and saw participants from the countries of Germany, Israel and Italy. The German Air Force Eurofighters trained for the first time side by side with Italian and RAF Eurofighters.

TLG73 was sent to Waddington with the following ten Eurofighters: 30+47, 30+50, 30+51, 30+56, 30+64, 30+65, 30+73, 30+74, 30+88 and 31+22. Support was provided with A310 and A400 aircraft.

### A400M

54+31 LTG62 d/d: 08aug19 **092** aug19



The first flight of the prototype M345HET for Aeronautica Militare (Italy Air Force). It is pictured here backtracking and waiting for take off from runway 36 at Venegono airport. (CSX55233, 13 August 2019, Fabrizio Capenti)

### EF2000

31+50	TLG31	ex EADS	<b>GS0110</b> sep19
31+51	TLG31	ex EADS	<b>GS0111</b> sep19
31+52	TLG31	ex EADS	<b>GS0112</b> sep19

### Global 6000

14+05	FBS BMVg	f/n: 14aug19	<b>9859</b> aug19
14+06	FBS BMVg	f/n: 24sep19	<b>9863</b> sep19

Three new Globals will be added to the FBS BMVg VIP fleet at Köln. Two aircraft were already seen flying in full Bundeswehr markings.

### H135T3

D-HABS	IHAz	ex Airbus Heli.	<b>1275</b> aug19
D-HABT	IHAz	ex Airbus Heli.	<b>1270</b> aug19
D-HABU	IHAz	ex Airbus Heli.	<b>1268</b> aug19

We forget to add the last three H135s for the Internationale Hubschrauberausbildungszentrum (IHAz) to our database. All five (leased) H135s are now active at Bückeburg.

### H145M

D-HADL	Airbus Heli.	to become 77+02	<b>20274</b> jul19
D-HCBQ	Airbus Heli.	to become 77+01	<b>?</b> jul19

Last December we already mentioned on Scramble Facebook (SFN) that the Bundeswehr ordered seven H145M LUH SAR aircraft to replace the ageing UH-1D helicopters for SAR duties. Two of these ordered helicopters were spotted at the Airbus Helicopter factory Donauwörth. The military serial was taped over but the first '7' was visible so the new serials will probably indeed 77+01 till 77+07.

All seven helicopters will be delivered 2022.

### Tornado IDS

44+90	TLG33	ex TLG51	<b>481/GS143/4190</b> sep19
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### Tornado IDS(T)

43+29	TLG51	ex TLG33	<b>076/GT018/4029</b> sep19
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### Heeresflieger (AR)

#### NH90-TTH

79+14	THR30		<b>TGEE14/GEAF21</b> aug19
79+32	THR10	ex Airbus heli.	<b>TGEE32</b> aug19

## Italy

LIPS = Istrana (TV)  
 LIRE = Pratica di Mare (RM)  
 LIRV = Viterbo (VT)



Back in business since some weeks and preparing for the Hahnweide Oldtimer Meeting - the "Tango Tango" (D-IMTT), the Me262 from Messerschmitt Stiftung. (Manching, 12 September 2019, Josef Gietl)

KARW = Marine Corps Air Station Beaufort (SC) (USA)

KNHK = Naval Air Station Patuxent River (MD) (USA)

Aeronautica Militare (AF)

On 13 September 2019, Aeronautica Militare F-2000A MM7316 was noted with code 51-01 and 51° Stormo markings during the 30 years of operations with the Alenia AMX festivities at Istrana (TV). The 51° Stormo is not equipped with the F-2000A, but a QRA (Quick Reaction Alert) cell is permanently based at Istrana (TV) since January 2017 to defend the northern part of Italy. These F-2000As are temporarily detached and are coming from the other F-2000 bases; Gioia del Colle, Trapani or Grosseto. There are long time rumours, that the 22° Gruppo, which flew with the classical Lockheed F-104 Starfighter and was disbanded on 25 February 1999, will reform on short term. Istrana (TV) was once home to the 22° Gruppo. Possibly on 1 October 2019, a ceremony will be held for the reconstitution of the 22° Gruppo. Still, no official decision has been made yet; therefore the F-2000A was given the code just for the event.

On 13 September 2019, the Aeronautica Militare celebrated on Istrana (TV) the 30th anniversary of its AMX fleet and the 80th anniversary of the 51° Stormo. Istrana (TV) is home to the last unit which operate the ground-attack and reconnaissance aircraft. The AMX is jointly developed by Brazil and Italy. The AMX (designated A-11 from 2006) is nicknamed 'Ghibli' within the AMI and A-1 by the Força Aerea Brasileira (FAB). The Italian name 'Ghibli' is taken from the hot dry wind in the Libyan desert.

Six prototypes were manufactured (one prototype MMX594 was lost in an accident), 136 examples (110 single and 26 twin-seat, the twin-seat called the AMX-T) were ordered by the Aeronautica Militare and 56 were ordered by the FAB. On 19 April 1989, the first AMX was officially delivered to the Aeronautica Militare.

The Italian AMXs saw combat during the Allied Force in Serbia and Kosovo, operated over Afghanistan, supported Operation Inherent Resolve over Iraq and Syria and during the Air War over Libya. In 2005, the Aeronautica Militare launched an upgrade programme (ACOL Aggiornamento Capacità Operative e Logistiche - Operational and Logistical Capability Upgrade) for 55 of its AMXs adding a new laser Inertial Navigation System, new cockpit displays and allowing the

aircraft to drop Joint Direct Attack Munition (JDAM) guided bombs. As part of the celebrations held at Istrana (TV), the Aeronautica Militare unveiled four special colors: one AMX is dedicated to the 30th Anniversary and three aircraft with special tails. These special tails sport the colors and markings of each AMX Gruppo, which operated the AMX.

AMX ACOL MM7194/- in full special 30th Anniversary livery.

AMX ACOL MM7180/51-53 with 14° Gruppo markings on the left side and 103° Gruppo markings on the right side, with the 14° Gruppo belonging to the 2° Stormo at Rivolto and 103° Gruppo belonging to the 51° Stormo at Istrana.

AMX ACOL MM7114/- with 13° Gruppo markings on the left side and 28° Gruppo markings on the right side, with the 13° Gruppo belonging to the 32° Stormo at Amendola and the 28° Gruppo of the 3° Stormo at Verona-Villafranca.

AMX-T ACOL MM55044/51-82 with 101° Gruppo markings on the left side and 132° Gruppo markings on the right side, with the 101° Gruppo OCU belonging to the 32° Stormo at Amendola and and 132° Gruppo belonging to the 51° Stormo at Istrana, the only remaining active AMX unit.

#### AMX ACOL

MM7114/-	special livery	ex 51-27/GEA 51° St	<b>IX026</b> sep19
MM7179/51-64	pres LIPS	ex std LIPS	<b>IX091</b> sep19
MM7180/51-53	special livery	GEA 51° Stormo	<b>IX092</b> sep19
MM7194/-	special livery	ex 51-67/GEA 51° St	<b>IX106</b> sep19

Already on 30 December 2013, AMX ACOL MM7179 was noted stored at Istrana (TV). The forward fuselage is now used for display purposes with its cockpit instruments complete.

#### AMX-T ACOL

MM55044/51-82	special livery	GEA 51° Stormo	<b>IT019</b> sep19
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#### F-2000A

MM7316/51-01	51° Stormo	ex 37-07/18° Gruppo	<b>IS048</b> sep19
MM7354/37-54	18° Gruppo	ex CSX7354/-	<b>IS080</b> sep19

#### P180RM

CSX62164/-	std Piaggio	ex MM62164/71° Gruppo	<b>1030</b> sep19
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#### TF-2000A

MM55169/-	Leonardo	ex CSX55169/-	<b>IT014</b> sep19
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Aviazione dell' Esercito (AR)

#### A129CBT

MM81434/E.I.964	std 3° Rgt Sost.	ex 48° Gruppo	<b>29066</b> sep19
MM81434/E.I.964	pres Volandia	ex std 3° Rgt Sost.	<b>29066</b> sep19

**CH-47C**  
MM81441/E.I.836 std LIRV ex E.I.836/11° Gruppo **M037** jul19

**UH-90A**  
MM81560/E.I.243 1° Gruppo ex CSX81560/E.I.243 **ITAR44** jul19  
Marina Militare (NY)

**AB212ASW**  
MM81083/7-38 Leonardo ex Grupelicot 2 **5148** jul19

**F-35B**  
MM7451/4-01 TDY KARW ex TDY KNHK **BL-1** sep19  
MM7452/4-02 TDY KARW ex -/FACO Cameri **BL-2** sep19  
MM7453/- FACO Cameri new **BL-3** sep19

Polizia dello Stato (PO)

**AB206B-3**  
PS-65 to Egypt ex std LIRE **8696** jun19  
Guardia di Finanza (PO)

**AB412HP**  
MM81443/GF-201 std LIRE ex Centro Aviazione **25701** sep19  
On 11 September 2019, AB412HP MM81443 made its last flight at Pratica di Mare (RM), knocking over 4.000 flight hours. It is destined for the local Museo del Servizio Aereo Guardia di Finanza.

**AW109N**  
MM81702/GF-314 SA Venezia ex Centro Aviazione **22527** sep19

**NH500MD**  
MM81139/GdiF-119 SA Venezia ex Centro Aviazione **118** sep19

## Malta

LMML = Luqa

Armed Forces of Malta (AF)

**Bulldog T1**  
AS0022 to G-CLJC ex std LMML **358** sep19  
AS0023 to G-CLJD ex std LMML **363** sep19

## Norway

Norske Luftforsvaret (AF)

On 12 September 2019, another three F-35A Lightning II aircraft were delivered to the RNOAF (Royal Norwegian Air Force). The aircraft arrived at Ørland Main Air Station using call-sign NOW332A-C and are inducted with 332 skv.

The current number of F-35As delivered to 332 skv is fifteen with another seven aircraft operated by 62nd Fighter Squadron 'Spikes' (56th FW) at Luke AFB (AZ).

**F-35A-3I**  
5291 332 skv d/d 12sep19 **AM-20** sep19  
5292 332 skv d/d 12sep19 **AM-21** sep19

5293 332 skv d/d 12sep19 **AM-22** sep19

## Portugal

Reportedly, the following changes in the Portuguese Order of Battle are imminent: Esq552 will move their newly acquired AW119Kx Koala helicopters from BA11 Beja to BA1 Sintra to be based there permanently. They will be joined by the Merlins of Esq751, moving in from BA6 Montijo. Overseas detachments of Esq751 remain unchanged. To make space for these incoming units at Sintra, Esq101 will move with its Epsilons to Beja.

## Serbia

Ratno Vazduhoplovstvo i Protivvazdusna Odbrana (DF)

Great new from Serbia this month! The MiG-21s are still active and will stay in operation until 2025. We assume this will only be the MiG-21UM models, as Serbia is only licensed to extend the service live of the UM. All single seat MiG-21bis models are likely having their service live expired and are now stored/withdrawn from use.

Serbia is to receive the four Mi-35M's on order before the end of the year. All four were presented to Minister of Defense Alexander Vulin during a visit to the Rostvertol helicopter factory in Rostov-on-Don (Russia) in August. The dark grey helicopters were coded 101 to 104 on the engine intakes, the last three of the Serbian serials. As the commander of the 714. phe (anti-armor helicopter squadron) was among the delegation, we expect the Mi-35M's to be based with this unit at Ladjevci.

On 6 July the name of air base Batajnica was formally revealed as Military airbase "Colonel-pilot Milenko Pavlovic". We will keep using the well known name Batajnica.

### Mi-35M

35101	Rostvertol, o/o	aug19
35102	Rostvertol, o/o	aug19
35103	Rostvertol, o/o	aug19
35104	Rostvertol, o/o	aug19

Ministarstvo Unutrasnjih Poslova (PO)

It was confirmed all three H145M's have been delivered to the Ministry of Interior helicopter unit. The third helicopter (YU-ICE) arrived on Monday 29 July. The forth H145M (YU-MUP) will arrive during the first months of 2020.

## Spain

Ejército del Aire (AF)

**CASA 101EB**  
E.25-61/54-22 741 Esc ex Grupo 54/CLAEX **063** aug19



The Aeronautica Militare celebrated the thirtieth anniversary of its AMX fleet and the 80th anniversary of the 51° Stormo with some very nice special coloured birds. AMX ACOL MM7180/51-53 with the old 14° Gruppo markings on the left side is one of the rare species. (Istrana, 11 september 2019, Daniele Mattiuzzo)



Jetze de Vries visited Szolnok on 15 August 2019 and captured AS350B2 102 of the Hungarian Air Force, while it was preparing for the National Flypast on 20 August. The helicopter is seen here flying over the Tisza river, just outside Szolnok.

Still sporting CLAEX marks, this Aviojet was transferred to 741 Esc at Salamanca/Matacan Airbase.

#### CN235-100MPA

D.4-02/37-02 SAR Pool ex uncodcd **C-040** jul18

The pool of eight CN235-100MPA aircraft are distributed over three SAR units based at Mallorca/Son San Juan Airbase (801 Esc/Ala 49), Gran Canaria/Gando Airbase (802 Esc/Ala 46) and Madrid/Getafe Airbase (803 Esc/Ala 48), respectively. Although these three units report to the local wings as indicated, the aircraft are maintained and distributed by Ala 37 based at Valladolid/Villanubla Airbase. This explains the new 37-xx codes they apparently are now given. Apart from new codes the aircraft also receive a new livery without the yellow strip on the rear. The Spanish flag in the tail is replaced by the St. Andrew's Cross and Ejército del Aire titles are applied over the right forward door.

#### Sweden

##### Försvarsmaktens Helikopterflottilj (JF)

The last Försvarsmaktens Helikopterflottilj (Swedish Armed Forces Helicopter Wing, SAFHW) NH90, locally designated as Hkp14, was already handed over at the Airbus Helicopters facility at Marseille/Marignane (France) in July 2019. After the hand-over, the Hkp flew to Luleå (Sweden) for final configuration conversion to Hkp14F (the naval version).

The SAFHW operates two models of the Hkp14, the Hkp14E and Hkp14F from Luleå/Kallax air base with 1.Hkpskv and both the Hkp14E and Hkp14F from Ronneby air base with 3.Hkpskv. The first NH90s delivered to Sweden were still model A and B. These were finally converted via model C and D to the current E and F versions.

The SAFHW is now equipped with nine tactical transport helicopters (Hkp14E) and nine Anti-Surface/Submarine Warfare (ASuW/ASW) helicopters (Hkp14F). Both variants have Search and Rescue capabilities. The Foxtrot model is equipped with a dipping sonar and a tactical radar for submarine hunting and can be armed too.

#### Hkp14F

146058/58 3.Hkpskv ex Airbus, c/n checked **1012** aug19

146059/59 3.Hkpskv ex Airbus, c/n checked **1249** aug19  
Flygvapnet (AF)

#### JAS39C

39246/246 F17 ex F21 **39-246** aug19  
39270/270 F17 ex F7 **39-270** aug19  
39282/282 F17 ex F7 **39-282** aug19

#### Switzerland

Schweizer Luftwaffe (AF)

#### F-5E

J-3052 std RUAG ex i/a Meiringen **L1052** jun19  
J-3076 std RUAG ex FIS13 badge **L1076** jun19

#### Africa

##### Algeria

Al-Qouwwat Al-Jawwiya Al Djazairiya (AF)

#### MiG-17F

204 wfu f/n DB, photo

#### MiG-21bis

FA-34 wfu f/n DB, photo  
FA-42 wfu f/n DB, photo  
FA-71 wfu f/n DB, photo

#### MiG-21MF

FD-25 wfu f/n DB, photo  
FD-76 wfu f/n DB, photo

#### MiG-21UM

... wfu f/n DB, photo **516999374**  
FE-07 wfu f/n DB, photo  
FE-90 wfu f/n DB, photo

#### MiG-23BN

FM-34 wfu f/n DB, photo

#### MiG-23MF

FP-23 wfu f/n DB, photo  
FP-47 wfu c/n update **0390220115**  
FP-96 wfu f/n DB, photo

#### MiG-23UM

FT-20 wfu f/n DB, photo

## Angola

Força Aérea Nacional de Angola (AF)

### IAR823

I-104 wfu f/n DB, photo 80s

## Central African Republic

Escadrille Centrafricaine (AF)

FEFF = Bangui

### Mi-24V

TL-KND/01y ex std FEFF overhaul in Russia aug19

## Egypt

al Quwwat Al Jawwiya II Misriya (AF)

### Mi-17V-5

3928 f/n DB, photo

## Kenya

Kenya Air Force (AF)

On 13 September 2019, MD Helicopters, Inc. (MDHI, Mesa, AZ) has announced that they were awarded through the US Army Contracting Command-Redstone Arsenal for the delivery of six MD530F Cayuse Warriors. The helicopters are ordered for the Kenya Defence Forces (KDF) via MD Helicopters' in a five-year USD 1,4 billion indefinite delivery/indefinite quantity contract.

The delivery of the six Cayuse Warriors will be complete by late 2019. The helicopters are powered by the Rolls-Royce 250-C30 650shp turbine engine, as well as an advanced, all-digital glass cockpit, 62mm ballistically tolerant crashworthy fuel system and tactical communication systems. The MD530Fs will be delivered with a FN Herstal Weapons Management System a FN Herstal .50 caliber HMP 400 Machine Gun Pods and M260 7-shot rocket pods.

Transition training will take place at the MD Helicopters headquarters in Mesa, AZ with Outside Continental United States (OCONUS) operations, including field service support, armament, and gunnery training, scheduled to occur at Nanyuki-Laikipia Air Base, (Kenya).

Already back in May 2017, the US Defense Security

Cooperation Agency has confirmed that Kenya will purchase twelve weaponised helicopters from the US government. At that time it was reported that the deal purchase will, however, be completed if the US Congress approves the deal. Kenya requested for the helicopters so it could conduct scout and attack rotary wing aircraft operations in support of the African Union Mission in Somalia (AMISOM) against the Al Shabaab militants.

The KDF currently operates an ageing fleet of some thirty H500E, H500MD and H500MG from Mombasa, Moi Air Base with the 50th Air Cavalry Battalion of the Kenyan Army. We assess that eventually the H500MDs will be replaced by the MD530Fs and that these six new helicopters will be transferred from Nanyuki to Mombasa. The Kenyan request in combination with the DSCA approval of twelve helicopters indicates that another six helicopters are probably in option.

On a photo published on the website of MD Helicopters a MD530 is visible with 545 on the nose, this one will fit perfectly in the sequence with the delivered H500s.

## Madagascar

Armée de l'Air Malgache (AF)

### AS350B2

5R-MOP ex ZS-RWC serial confirmation 3897 jun19

## Nigeria

Nigerian Air Force [AF]

EDLN = Mönchengladbach, Germany

### ATR42-500MP

NAF930 107th AMG o/h EDLN 693 sep19

On 16 September 2019, this Nigerian Air Force ATR42-500MP arrived from Alger-Houari Boumediene (Algeria) for maintenance by Rheinland Air Service (RAS) at Mönchengladbach (Germany).

## Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

### Mi-8AMT

ST-PRZ Gvmt type corr. not a Mi-8P



Guardia di Finanza Sezione Aerea di Venezia has AW109N MM81702/GF-314 on strength. It previously served with the Centro Aviazione at Pratica di Mare. The hangar at Venezia-Tessera performs a perfect backdrop for this Nexus helicopter. (Venezia-Tessera, 10 september 2019, Daniele Mattiuzzo)



Marco Moormann sent us this photo, taken on 20 September 2019, of this soon to be delivered CN235 for the Air Force of Madagascar. ZU-S00 (c/n 009) is former Botswana Air Force and will become the second CASA in the fleet.

## Asia

### Afghanistan

Afghan Air Force (AF)

#### UH-60A+

23665	BEST	c/n update	<b>70-358</b>	aug19
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### Bangladesh

Bangladesh Biman Bahini (AF)

#### Mi-171Sh

7669	Ulan Ude	f/n		jun19
7681	Ulan Ude	f/n		sep19

Two of five on order were seen in Russia and are due for delivery later this year.

### China

People's Liberation Army Air Force (AF)

#### CJ-6A

4314/34	AU FBTB/1st Regiment	<b>6732001</b>	photo	
4331/31	AU FBTB/3rd Regiment		mar18	
4335/35	AU FBTB/3rd Regiment		mar18	
4536/56	AU FBTB/3rd Regiment		mar18	
4041/01	AU FBTB/4th Regiment		photo	
4045/05	AU FBTB/4th Regiment		2017	
4047/07	AU FBTB/4th Regiment		photo	
4048/08	AU FBTB/4th Regiment		2017	
4248/28	AU FBTB/4th Regiment	<b>6732016</b>	photo	
4859/89	AU FITB/1st Regiment		jun18	
4957/97	AU FITB/1st Regiment		jun18	
4361/31	AU FITB/2nd Regiment		mar18	
4362/32	AU FITB/2nd Regiment		mar18	

4331 was noted active on the flight line together with the Flight Instructor Training Base/2nd Reg aircraft (4x6x).

4335 and 4536 were noted active on the flight line together with the Flight Basic Training Base/4th Reg aircraft (4x4x).

Note that only a few years ago the 1st Regiment was only flying JL-8 from Changchun-Dafangshen. With CJ-6A and JJ-7A added now also pilots from other countries get their trainer Instruction courses here.

#### H-6K

55232	CTC/Transport & SAR Brigade		sep19
41071	108th Regiment	<b>02473</b>	jul19
41172	108th Regiment	<b>02474</b>	jul19

#### H-6N

55031	CTC/Transport & SAR Brigade	sep19
55032	CTC/Transport & SAR Brigade	sep19
55033	CTC/Transport & SAR Brigade	sep19
55034	CTC/Transport & SAR Brigade	sep19

The CTC H-6Ns were noted during the flypast rehearsals for the celebration of 70 years People's Republic of China. The suggestion that these operate for the CTC/Transport & SAR Brigade is derived from its serial, but might be used for the flypast only.

#### J-7E

74231	132nd Brigade	aug19
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This aircraft is shown on a flight line with more J-7Es within the unit. Two years ago this unit still operated the old version J-7II.

#### J-8F

72204	106th Brigade	aug19
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#### J-10A

61232	2nd Brigade	photo
61237	2nd Brigade	photo
61597	8th Brigade	jul19
61793	8th Brigade	jul19

#### J-10C

61031	2nd Brigade	photo
61130	2nd Brigade	photo
74623	131st Brigade	aug19
74720	131st Brigade	aug19
74722	131st Brigade	aug19
78081	177th Brigade	sep19

131st Brigade with their relatively new J-10C fighters participated in the Falcon Strike 2019 exercise together with the Royal Thai Air Force at Udon Thani in Thailand.

#### J-10S

61334	2nd Brigade	photo
63971	26th Brigade	aug19
74820	131st Brigade	aug19

#### J-11A

61151	4th Brigade	sep19
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#### J-11B

61228	1st Brigade	<b>0710</b>	aug19
70002	89th Brigade	<b>0202</b>	aug19

#### J-16

61047	3rd Brigade	sep19
61188	7th Brigade	sep19

61280	7th Brigade	sep19
61281	7th Brigade	sep19
70191	98th Brigade	sep19
<b>JH-7A</b>		
64029	31st Brigade	aug19
73270	126th Brigade	jul19
72216	110th Brigade	sep19
<b>JL-8</b>		
4156/16	AU FITB/1st Regiment	0432007 may19
4159/19	AU FITB/1st Regiment	sep18
4250/20	AU FITB/1st Regiment	sep18
4251/21	AU FITB/1st Regiment	sep18
4252/22	AU FITB/1st Regiment	sep18
4253/23	AU FITB/1st Regiment	sep18
4256/26	AU FITB/1st Regiment	sep18
4176/16	AU FITB/3rd Regiment	mar18
4271/21	AU FITB/3rd Regiment	mar18
<b>JL-9</b>		
1016	Harbin FA/1st Brigade	aug19
The picture seems to show this aircraft prior to delivery from the factory. We know the 1st Brigade as flying with Y-5 and CJ-6 where the 3rd Brigade of this Flying Academy has been flying JL-9 for some years now.		
<b>JL-10</b>		
2510/50	Shijiazhuang FA/1st Brigade	jul19
<b>JL-10A</b>		
2212/22	Shijiazhuang FA/1st Brigade	jul19
2610/60	Shijiazhuang FA/1st Brigade	jul19
2619/69	Shijiazhuang FA/1st Brigade	aug19
The JL-10A is a further development of the JL-10 with a fire control radar in the nose eliminating the pitot tube on the nose.		
<b>KJ-500</b>		
30075	26th Div/76th Regiment	photo
30079	26th Div/76th Regiment	sep19
30170	26th Div/76th Regiment	sep19
<b>Su-27SK</b>		
62278	16th Brigade	photo
<b>Su-30MKK</b>		
69260	85th Brigade	photo
69264	85th Brigade	photo
<b>Y-8F-100</b>		
B-4150	Aerial Survey Regiment	jul19
B-4153	Aerial Survey Regiment	aug19
<b>Y-9</b>		
10256	4th Div/10th Reg Medivac configuration	jul19
10654	4th Div/11th Reg	aug19
10655	4th Div/11th Reg	aug19
10656	4th Div/11th Reg	aug19
55742	CTC/Transport & SAR Brigade	jul19

The 11th Regiment used to fly Y-7s which are now being replaced by the Y-9.

#### Z-8K

55415 CTC/Transport & SAR Brigade sep19

#### Nanyuan Airport

With the opening of the new Beijing-Daxing airport on 25 September it is expected that Nanyuan will close down. All commercial flights will be relocated to Daxing and military operations are believed to shift to a new airbase adjacent to the new Daxing airport. Established in 1910 in the Qing dynasty Nanyuan was the first airport in today's China and its location only 13 km from the Tianmeng square now means urban build-up all around the airport. At Nanyuan the 102nd Survey Brigade was based.

People's Liberation Army (AR)

#### Mi-17

LH953720	161st Brigade	photo
LH953721	161st Brigade	photo
LH953729	161st Brigade	photo
LH953730	161st Brigade	photo

#### Mi-17V-5

LH992725	72nd Brigade	photo
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#### Mi-171E

LH972723	77th Brigade	aug19
LH972736	77th Brigade	aug19

#### Z-8B

LH952809	82nd Brigade	jul19
LH982830	121st Brigade	sep19
LH982831	121st Brigade	sep19

#### Z-8G

LH911822	Xinjiang Brigade	photo
LH982838	121st Brigade	sep19
LH982839	121st Brigade	aug19

#### Z-9A

LH905925/25	Training Regiment	jul19
LH905950/50	Training Regiment	<b>Z9-0033</b> jul19

#### Z-9WZ

LH951907	81st Brigade	sep19
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#### Z-10

LH951110	81st Brigade	sep19
LH951135	81st Brigade	jul19
LH952116	82nd Brigade	sep19
LH972152	77th Brigade	jul19

#### Z-19

LH951505	81sq Brigade	photo
LH951519	81sq Brigade	photo
LH952502	82nd Brigade	photo
LH952515	82nd Brigade	photo



The largest airplane in service with SMURD/Romanian Ministry of Internal Affairs is Cessna 560 1122. It is seen here arriving after a flying day at Bucharest-Baneasa during BIAS 2019. Other types in service with SMURD are EC135 helicopters. (24 August 2019, Jonathan Verschuuren)



The Turkish Gendarmerie S-70A-28D Atelik Kanatlar (Steel Wings) helicopter demonstration at Sivrihisar Hava Gösterileri (Sivrihisar Air Show) brought two Black Hawks to the show; J-1902 and J-1914. (Sivrihisar, 14 September 2019, Ahmet Ozkan)

LH952522	82nd Brigade	photo
LH953522	161st Brigade	photo
LH961591	78th Brigade	photo
LH962558	79th Brigade	photo

#### Z-20

LH953206	161st Brigade	sep19
LH982212	121st Brigade	sep19

Another 'first' over Beijing the last couple of days was the first Z-20 flying for the 121sq Air Assault Brigade.

People's Liberation Army Navy (NY)

#### JL-9H

81577	Naval Aviation Training Base/2nd Reg	aug19
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#### J-11BH

81185/15	8th Div/22nd Reg	aug19
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#### J-11BSH

81084/04	8th Div/22nd Reg	aug19
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#### J-15

19	Carrie Air Wing ex 119	<b>0210</b>	sep19
23	Carrie Air Wing ex 123	<b>0214</b>	sep19
24	Carrie Air Wing	<b>0401</b>	sep19

Preparations for the 70 years People's Republic China parade showed that the J-15s have lost their single digit prefix "1". Also with 24 being the first of a new batch it can be concluded new aircraft are being delivered just ahead of the commissioning of the second Aircraft Carrier.

#### KJ-500H

81611	1st Division	jun19
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#### Y7G

81531	3rd Brigade	sep19
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#### Y-8Q/KQ-200

.../85	Beijing	sep19
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#### Z-9C

84502/52	Naval Aviation University	<b>Z9-0774</b>	apr19
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#### Z-9D

9736	2nd Div/5th Reg	<b>Z9-0398</b>	apr19
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#### Z-18F

333	Carrier Air Wing	photo
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### Cambodia

Force Aérienne Royale Cambodge (AF)

#### AS350

XU-081		sep18
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### India

Bharatiya Vayu Sena (AF)

On 10 September 2019, 17 Squadron 'Golden Arrows' was officially resurrected at Ambala Air Force Station (state of Haryana, India). Air Chief Marshal Birender Singh Dhanoa, Chairman Chiefs of Staff Committee and Chief of the Air Staff, presented a memento to Group Captain Harkirat Singh SC to commemorate the occasion. The ceremony was attended by various dignitaries from Indian Air Force and Indian Army.

The unit was originally formed at Ambala AFS on 1 October 1951 and was then equipped with Harvard IIB training aircraft. By November 1955, the squadron converted fully to DeHavilland Vampire and by 1957, the Hawker Hunter was inducted into service. In 1975, the squadron converted to the MiG-21M. With deliveries starting in September 2019, the unit will be equipped with the Dassault Rafale.

#### AH-64E(I)

ZV4801	125HU	ex Boeing Company	sep19
ZV4802	125HU	ex Boeing Company	sep19
ZV4803	125HU	ex Boeing Company	sep19
ZV4804	125HU	ex Boeing Company	sep19
ZV4805	125HU	ex Boeing Company	sep19
ZV4806	125HU	ex Boeing Company	sep19
ZV4807	125HU	ex Boeing Company	sep19
ZV4808	125HU	ex Boeing Company	sep19
ZV4809	Boeing	f/n, test registration N4809B	may19

#### ERJ145SM

KW355	200sq	d/d 11sep19, ex DRDO	sep19
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This ERJ145SM is the second one to be delivered from DRDO to 200sq. It is either KW3554, delivered on 3 July 2015 to DRDO, or KW3555, delivered on 16 August 2012 to DRDO. It takes quite a few years before this aircraft is handed over to the operational unit.

#### LUH prot

ZX4640	HAL	<b>PT-3</b>	sep19
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This is the third prototype of the Light Utility Helicopter (LUH). Late August 2019 the helicopter finished its hot and high trial flights in the Himalaya mountains.

#### MiG-21Bison

CU2770	26sq	confirmed with unit	sep19
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#### MiG-21U

U2164	26sq	f/n	sep19
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## Bharatiya Thatrakshak (CG)

**Do228-201**  
CG782 CGAS743 ex CGAS750 sep19

## Indonesia

Tentara Nasional Indonesia - Angkatan Udara (AF)

**AS202**  
LM-2017 pres Surakarta ex SkaDik 101, l/n mar13 197 sep19  
Another Bravo turned up as monument. This one is at the Universitas Sebelas Maret (UNS) in Surakarta, at the artificial lake (Danau), S7.56182, E 110.85773. It was inaugurated on 20 September.

Polisi Udara (PO)

**Bell 429**  
P-3203 Polisi Udara ex C-GJYN 57358 sep19  
The third was inaugurated 11 September at Pondok Cabe.

## Laos

Laos People's Liberation Army Air Force (AF)

**LE500**  
732 mar18

## Nepal

Nepal Army Air Wing (AF)

**Bell 407GXP**  
NA-061 ex N726MT **54726**  
The last couple of years the Nepal Army Air Wing has been very active getting new helicopters and about as many different helicopter types and suppliers! After receiving the HAL Dhruv, Mil Mi-17V-5, Airbus Helicopters H125 and Leonardo AW139 the latest type to be acquired is the Bell 407GXP. The helicopter is believed to have been delivered factory fresh in February this year.

The American test registration was cancelled on 19 February 2019.

**AW139**  
.. ex I-EASH **3182018jul19**

This second AW139 for the Air Wing made its pre-delivery test flight from Varese-Venegono airport in white/red c/s. The helicopter is believed to become civilian registered after delivery which would suit its VVIP rol, where the first AW139 which was delivered late last year is flying around in its characteristic Nepalese green c/s.

## Pakistan

Pakistan Fiza'ya (AF)

Pakistan has struck a deal with Egypt to obtain 36 Mirage 5s. these will need to be refurbished before being put into service. As you may be aware, the former French, Australian, Lebanese and - some of the - Libyan Mirages are in active use. Furthermore, former Spanish Mirages IIIs were acquired for spares. The Egyptians themselves sourced Mirages in Zaire and the UAE, apart from the originally delivered 54 Mirage 5SDE/SSE, six Mirage 5SDD duals, and six Mirage 5SDR reconnaissance aircraft. So we wonder what potpourri the Pakistani are getting!

**AW139**  
18-013 84(CS)sq? f/n, serial confirmed **31831** sep19

**F-7PG**  
02-831 23(AS)sq f/n dbase sep19  
First confirmed sighting at Masroor Defence Day airshow.

**F-16A ADF**  
14-738 19(MR)sq f/n dbase, ex JOR 227 **61-313** sep19  
Known delivery, but never reported. Painted as 14738. Also note that 19 squadron used to be an Operational Conversion Unit but after its move from Mushaf to Bholari it seems to have been retasked as a multi-role unit.

**JF-17 (Block-II)**  
17-246 16(MR)sq reportedly in op. Swift Retort feb19  
18-254 f/n in fcs, serial confirmed sep19  
19-258 PAC Kamra f/n jul19  
... PAC Kamra o/o, primer 2P60 sep19  
... PAC Kamra o/o, primer 2P62 sep19

**JF-17B**  
603 PAC Kamra f/n in Pakistan sep19  
... PAC Kamra o/o, canopy only! BC010006 sep19  
... PAC Kamra o/o, primer BC010007 sep19

Number six-o-three was seen with CAC in China as '03' before and was recently captured in Pakistan, grey and with 603 visible on the nose. The production of the duals started in earnest with the seventh seen under construction; albeit with the canopy of BC010006! Anyway, it looks like the next thirteen will all be duals. We do not know if these already encompass the 601 to 603. Lastly, the final Block II run should be another ten. After that, the Block III AESA-radar equipped and slightly longer range Block-III should be in production, of which 28 are requested. In total, that would constitute 163 airframes.



The Antonov 26 remains a widely used transport platform within the Russian Air Force. Seen here is An-26 03rd/RF-36033 departing its home base Chkalovskiy on 20 August 2019. This particular Antonov was built on 19 October 1978 and has been in the Russian armed services ever since.



KC-30A, EC332/MRTT038, freshly painted in the Republic of Singapore Air Force colours, pictured while departing Manchester on 6 September 2019 for Madrid. It is destined to become serial RSAF 765. (John Wildman)

#### K-8P

06-09-820 1(FCU)sq c/n update L8P3200168 nov18

#### Mirage 5DR

04-106 15(TA)sq Fiscal year confirmed sep19

As expected, this former Libyan recce-bird is Fiscal year 2004.

### Philippines

#### Coast Guard (CG)

In June the Coast Guard received some serious upgrades for their fleet. From the Police two BN-2A Islanders and two Bo 105's were received. As a result the Coast Guard now operates four Islanders and four Bo105s.

### Thailand

#### Royal Thai Air Force (AF)

#### SSJ100-95LR

L18-1/59/60206 602sq ex 603sq code 60317 **95093** sep19

L18-2/59/60207 602sq ex 603sq code 60318 **95095** sep19

L18-3/61/60208 602sq ex 603sq code 60319 **95132** sep19

Around 16/17 September the aircraft were transferred to the new (VIP) squadron. 60207 is not yet painted on the aircraft as it is unserviceable for the time being.

#### T-50TH

On 10 sep19 a Korean Air B747-400 visited U-Tapao for the second time. Although it has not been noted what cargo it transported, suggestion is that also on this flight two T-50THs were delivered. To the Air Force.

#### Royal Thai Army (AR)

#### MD530G

The Army has requested the USA to obtain eight MD530G helicopters using the Foreign Military Sales (FMS) program. The helicopters will be used for border patrol and initially were ordered from MD Helicopters, which contract has now been cancelled

#### Police (PO)

#### Beech 350

35184 o/o ex N1184G **FL-1184**

35186 o/o ex N1186K **FL-1186**

Both aircraft passed Ostend (B) on their way to the Thai Police still with their American test serial applied. As usual, the serial is based on the c/n and the number of aircraft types the Police has received by now.

#### AW189

... o/o ex I-RAIU **49056**

... o/o ex I-RAIP **49058**

... o/o ex I-RAIW **49059**

... o/o ex I-EASN **49060**

On 20 September the four helicopters were disembarked in the Laem Chabang Port on its way to the Police.

### Vietnam

A high ranking American official, General Charles Q. Brown mentioned during a media roundtable at Pacific Air Forces (PACAF) headquarters, that Vietnam is looking to acquire a fleet of Beechcraft T-6 Texan IIs, as a basic propeller training aircraft. If such a contract will be signed, this would be a departure from its usual aircraft supplier, Russia. The United States Air Force is already working with Vietnam on site surveys for their location. The general also mentioned, that the relationship between the former enemies is warming. Both nations were locked in a bitter war fifty years ago. Already on 12 February 2019, United States Navy Admiral Philip S. Davidson at a hearing in the US Senate Military Commission provided information about Vietnam's intention to order T-6s. The Vietnamese military pilots are currently trained on the ageing Russian built Yakovlev Yak-52 propeller aircraft. A more logical buy to replace those should be the successor of that aircraft, the Yak-152 instead. Like many air forces, Vietnam is still actively looking for a 4th generation light fighter fleet to replace their already retired MiG-21s. The 4th gen aircraft could lead to the retirement of the Sukhoi Su-22 fleet of the Không quân Nhân dân Việt Nam (VPAF, Vietnam People's Air Force). The present VPAF Yak-52 fleet is assigned to the 920th Air Training Regiment based at Cam Ranh (Vietnam).

### Latin America

#### Argentina

#### Fuerza Aérea Argentina (AF)

SABE = Buenos Aires/Aeroparque Jorge Newbery, BA

SACA = Córdoba/Area Material, CB

SADM = Morón, BA

SADP = El Palomar, BA

Sad moment on 16 August 2019, prior to its scheduled withdrawal in September, the last operational F28 TC-53 was grounded. During a routine inspection a fissure was found in the wingroot and that meant the end of its useful live. We salute the eight different airframes used since T-01 was delivered back in 1970 by this short overview:

s/n	subtype	d/d	previous id	c/n	fate/last loc
T-02	F28-4000	aug98	T-02, T-50	11203	wfu SADP
T-03	F28-1000VIP	08dec70	T-01, T-02, T-04	11028	pres SADM
T-50	F28-1000	22dec77	T-02, T-03, T-04	11048	std SADP
TC-51	F28-1000C	13jan75		11076	w/o 16aug89
TC-52	F28-1000C	30jan75		11074	std SADP

TC-53	F28-1000C	06may75	11020	std	SABE
TC-54	F28-1000C	23jul75	11018	std	SACA
TC-55	F28-1000C	05oct75	11024	std	SACA

#### IA-63 Pampa III

A-703 G6C del 13sep19 sep19

This delivery is the first of three planned in 2019, it joins three others delivered to Tandil in 2018.

#### Bolivia

Fuerza Aérea Boliviana (AF)

#### CeTU206G

FAB-413 GAT72 f/n, grey c/s jul19

#### Ce210L

FAB-411 nn f/n, grey c/s mar19

#### Brazil

Força Aérea Brasileira (AF)

#### KC-390

2853 1°GTT del 04sep19 39000004 sep19

Comando da Força Aeronaval (NY)

SBTA = Taubaté/Base de Aviação

In March 2019 a contract was signed with Helibras, part of Airbus Helicopters, for three twin engine H135M multi-purpose helicopters. After testing the H145M, that machine was deemed to bulky and the H135M fitted the bill better. They replace the AS355F2 (UH-13) in the support role for the yearly Antarctic operations ('OPERANTAR'). It is expected that deliveries will be in time for the 2020 tour, OPERANTAR XXXIX, that is slated to start in October 2020.

We have not reported on the AH-11B 'Wild Lynx' program for a while. The two first ones, N-4001 and N-4004, were transported to Brazil on 22 January and taken up in March by HA-1. Of these, N-4004 is now deployed to Lebanon in support of UNIFIL. Three others were being worked on already in 2018 and should emerge soon. These are N-4003 (ZH964), N-4005 (ZH966), and N-4010 (ZH961). Planning called for N-4012 (ZH972) to start its upgrade in 2019, with N-4006 (ZH967) and N-4009 (ZH970) being the last two to be upgraded in 2020-21.

The Navy has implemented a name change for its three

regional units from late June onward. These general purpose squadrons used to have a single digit designation that has changed into a two-digit number corresponding to the military region. This reflagging operation basically makes them detachments of the 1st general purpose squadron (HU-1), 1° Esquadrão de Helicópteros de Emprego Geral do XXX, with the last part denoting the part of the country (between brackets below), as follows:

New	Old	Base
HU-51 (do Sul)	HU-5	Ilha do Terraplano de Leste
HU-61 (do Oeste)	HU-4	Ladário/Base Fluvial
HU-91 (do Noroeste)	HU-3	Manaus/Ponta Pelada (SBMN)

#### IH-6B (Bell 206B-3)

N-5044 pres SBTA ex HI-1 aug18

Just over a year ago, the navy donated this Jet Ranger III to the army historic collection kept by the Centro de Instrução de Aviação do Exército (CIAvEx) at Taubaté, SP. It amassed 6.638 hours until it was withdrawn from use in 2012.

#### UH-17 (H135M)

N-7091 HU-1 f/n, Antarctic c/s aug19

#### Chile

Fuerza Aérea de Chile (AF)

The Escuadrilla Alta Acrobacia 'Halcones' is in the process of receiving seven Game Composites GB1 Gamebird acrobatic aircraft. The first three arrived in the first week of September, in time for some testing and a possible participation in the yearly parade on 19 September. Unfortunately, one of them crashed on Saturday 7 September.

#### GB1

20	EAA Halcones	ex N259GC	0005	sep19
21	EAA Halcones	ex N963GC	0006	sep19
22	EAA Halcones	ex N898GC	0007	sep19

Servicio de Aviación de la Armada de Chile (NY)

The Navy acquired two second-hand Bell 206B-3 as a stop gap measure before the five new light helicopters arrive, that are being procured under project 'Gaviota' (Seagull). That tender started by freeing budget in 2018 and in case you are not following Scramble Facebook News, contenders are Airbus with the H125M, Bell Helicopter Textron with the 407GXP



Brazil got its first UH-17 this August. The H135M replaced the AS355 that previously were tasked with the Antarctic support role. (Itajubá, August 2019, Helibras)



This photo marks the third time we show you a Bangladesh Navy Dornier 228. This time it is 314-01/ S3-VHQ coming in at Oberpfaffenhofen runway 22 for maintenance with Dornier/RUAG on 26 May 2019. (Josef Gietl)

and Leonardo with the AW119Kx. The tender deadline has passed in August and a decision is being expected later this year.

Another small change is that the Bolkows are now known as BO-05, instead of UH-05, and the AS332 are HH-32. The Cougars remain to be referred to as SH-32.

**Bell 206B-3**  
30 UH-1 f/n aug19

## Colombia

Fuerza Aérea Colombiana (AF)

### Kfir COD

FAC3003		w/o 27sep13	<b>B09</b>
FAC3004	to FAC3009	reconstructed	<b>B10</b>
FAC3005		w/o 30sep10	<b>B07</b>
FAC3006		w/o 18feb14	<b>B06</b>
FAC3007		ex ISR 307	
FAC3008	based on	ex ISR 310	
FAC3009	based on	ex FAC3004	<b>B10</b>

The identities of the last pair of dual Kfirs, which were delivered in June 2017, caused some headaches, as not enough dual Kfirs were available in Israel to source these two for Colombia. FAC3008 appears to be based on the former 310, which was preserved in the museum in Hatzerim, Israel, and has been replaced in the museum by 303 (as "301"). It was revealed that FAC3009 has been reconstructed largely from the unfortunate FAC3004, which left the runway at Cartagena (Colombia) during a post-delivery test-flight on 20 July 2009, destroying the nose section of the aircraft. As the aircraft was piloted by an IAI pilot, IAI was held to replace the aircraft. Both Colombian Mirage 5CODMs FAC3001 and FAC3002 have been shipped to Israel to aid in the restoration of these "incomplete" dual Kfirs late 2014. The word "composites" seems applicable here to describe their identities!

**Y-12E**  
FAC1105 HK-5037 wfu **017** feb19  
The surviving SATENA Y-12 has been retired as it ran out of hours and no maintenance contract was closed in time.

## Costa Rica

Servicio de Vigilancia Aérea (PO)

### UH-1ST

MSP-025 till 028 are the serials of the newly delivered UH-1STs. MSP023 has been reportedly previously but appears incorrect.

## Cuba

Defensa Anti-Aérea y Fuerza Aérea Revolucionaria (AF)

### MiG-21bis

614 w/o 26feb19

### MiG-29UB

902 ex V-VS 2004  
We have learned about a third MiG-29UB delivered to Cuba, as a replacement for 901, which was damaged beyond repair in a 1994 belly landing and subsequently displayed in Havana's now-closed aviation museum. However, the former V-VS aircraft with serial 902 spent many years in conservation at San Antonio de los Baños, to save airframe hours. The entire Cuban MiG-29 fleet was retired early 2017. With the MiG-23's retirement, just around one dozen MiG-21s are left to defend Cuban airspace.

## Nicaragua

Fuerza Aérea - Ejército de Nicaragua (AF)

### C-47D

418 pres Condega w/o 08apr79 jan17  
Hans Hoogers provided us with the serial of this unknown C-47, which made an emergency landing after being shot at and was left abandoned, with the cockpit teared off. The C-47 was put on blocks, a makeshift cockpit was installed, and the aircraft is still in reasonably good shape. The location is known as the Parque Mirador del Avion, at N13.35977, W86.39975.

### Mi-24D

...	to Peru	as 645	<b>04115</b>	1992
...	to Peru	as 646	<b>04251</b>	1992
...	to Peru	as 652	<b>M340144</b>	1992
355	Managua	to Peru?		1991
356	to Peru	as 654	<b>13207</b>	1992
357	pres Managua	ex V-VS 28 ye	<b>04229</b>	jan16
361	pres Managua			jul13
362	to Peru			1992

### Mi-25

337	to Peru	as 647	<b>410440</b>	1992
339	to Peru	as 648	<b>410454</b>	1992
340	to Peru	as 650	<b>410455</b>	1992

Refer to last month's article about Peruvian Mi-25s for more information about their sale to Peru. We have strong indications only six Mi-25s were delivered factory fresh, with the remainder coming from operational Soviet-units in the early eighties, the Mi-24Ds. Above are the ones known to have survived the Nicaraguan conflict, which ended in February 1990.

## Peru

Fuerza Aérea del Perú (AF)

### Hunter F52

630 (to 145?)	Grupo 6	w/o 01sep60	
638	pres Lima	as 634	<b>41H-670691</b> sep19

Hunter 638 was checked in the Parque del Aire recently. It used to be marked "137" when it was still preserved at Las

Palmas, and that could well be right. The sixteen single seat aircraft were reregistered from 6\_\_ to serials in the 1\_\_ series, likely not in serial order and certainly not by simply changing the '6' into an '1'! With regard to crashes, there were six in total and research on them is still in progress, one crash occurred 8 November 1963.

#### Fuerza Aviación Naval del Perú (NY)

The navy is trying to acquire a second-hand An-32B. One of their two existing airframes, AT530, was damaged in an accident on 4 October 2017 when it overran the runway at Mazamari. It breached through a wall and slammed into a house. At first, the damage seemed superficial and mainly to the nose and thus repairable, but we must now conclude that this is not the case!

#### LA-250

AB580	w/o 23jan97	ex N1402J	<b>19</b>
AB581	w/o 27apr95	ex N8551R	<b>128</b>

Both Lake Sea Wolves were operated by the Coast Guard, the Dirección General de Capitanías y Guardacostas del Perú (DICAPI) and constitute updates to their previous identities.

#### Uruguay

##### Fuerza Aérea Uruguaya (AF)

Various offers, rumours and plans for new aircraft surfaced over the past months. First, there is the 1000th PC-7 MkII said to be one of two destined for Uruguay. Mid-2018, the Canadian government proposed the AT-6 and PC-7 MkII, both equipped with a PT-6 engine. Possibly under favourable financing / credit conditions. In fact, Uruguay has been contracting Pilatus for parts for its existing PC-7 fleet. This may well be included in some sort of barter arrangement. Nothing confirmed yet though. Noteworthy is also that Uruguay inquired the price of two factory fresh PC-7 MkIIs in 2017, so this idea has been on the table twice now...

Next up is the second hand Bell 212 to be used for UN peacekeeping missions. There were funds available in the USA and it should be a matter of time before it arrives. That could be part of the problem, as transport and insurance will probably need to be paid by Uruguay.

Last and least concrete, is the offer from Antonov Ukraine. They proposed their An-178 as replacement for the C-130Bs, one of which is under maintenance. The Uruguayan air force has cargo requirements in support of their UN peacekeeping and Antarctic missions. Because the answer always is "yes, we would like that, but cannot pay for it" the Ukrainians offer a ten year loan and include maintenance in the deal.



PC-21 2201 (sn 177) from the Royal Saudi Air Force was captured by Stephan Widmer at Stans-Buochs on 18 September 2019. This particular PC-21 was probably involved in a ground incident in 2017 and has returned to Stans for some rework.

#### Aviación Naval Uruguaya (NY)

The Navy is expecting its two AB412s later this year, or early 2020. In order to be able to train pilots for them and provide some continuity by less expensive flight hours, they are negotiating the acquisition of an "OH-58" in Canada.

#### Venezuela

##### Aviación Militar Nacional Bolivariana (AF)

The legacy of the late Tony Beales left a handwritten production list of Ce150/152/172 that was shared among Air Britain members. This treasure trove is a tribute to the meticulous way Tony did his research and we found some updates on fates of the Venezuelans.

#### Ce150D

YV-E-MR-34	to YV-138E	27feb07	<b>60112</b>
YV-E-MR-36	to YV-136E	27feb07	<b>60141</b>
YV-O-SAR-5	to YV-135E	23feb07	<b>60131</b>
YV-O-SA-7	to YV-137E	27feb07	<b>60739</b>
YV-E-MR-40	to YV-145E	27feb07	<b>60744</b>

#### Middle East

##### Qatar

##### Qatar Emiri Air Force (AF)

BAE Systems recently announced substantial progress on the contract for the provision of the 24 Typhoon fighter aircraft and nine Hawk Advanced Jet Trainers for Qatar. The company says its mobilisation of resources includes over 50 BAE Systems employees now based in Qatar, with an active recruitment and development programme aiming to create careers for over 300 employees in Qatar by 2022. The first aircraft should have been delivered before then, as we reported last month. The first Qatari students have started their training in the UK, with 65 students taking English language training at the Royal Air Force Cosford. The first of these students have now transferred into technical training and will eventually join the Royal Air Force and Qatar Amiri Air Force Typhoon Joint Squadron (12(B)sq) at RAF Coningsby. 12 squadron will enable UK and Qatari personnel (pilots and ground crew) to train alongside one another and to gain mutual valuable experience operating the aircraft.

In similar fashion, Boeing was awarded \$500 million to begin air and ground training of Qatari personnel on the F-15QA combat aircraft late August 2019. Qatar Emiri Air Force (QEAF) pilots and maintainers will be trained on the F-15QA in St Louis, Missouri, through to 2021, after which the training will relocate to Qatar and run through to August 2026. Boeing



Maciej Swiderski managed to catch this Qatar Rafale EQ QA214 during a test flight from Bordeaux-Mérignac (France) on 5 September 2019.

expects to begin delivering the QEAf's 36 F-15QAs from early 2020 through to early 2023. Qatar has options for a further 36 aircraft as well.

The F-15QA is the Qatari-specific variant of the Advanced Eagle. As with the F-15SA for Saudi Arabia and F-15EX for the US Air Force, it improves on earlier models of the F-15 Eagle in that it features two additional underwing weapons stations (increasing the number from nine to eleven); a large-area display cockpit; fly-by-wire controls; the advanced Raytheon AN/APG-82(V)1 or AN/APG-63(V)3 active electronically scanned array radar; General Electric GE F-110-129 engines; digital joint helmet-mounted cueing systems in both cockpits; the digital electronic warfare system as well as other enhancements. Work to build the infrastructure to accommodate the F-15QA Eagles began in late 2017.

#### AH-64E

QA110	Boeing Mesa	19-0001	QT001	apr19
QA111	Boeing Mesa	19-0002	QT002	oct18
QA112	delivered	19-0003	QT003	mar19
QA113	delivered	19-0004	QT004	mar19
QA114	Boeing Mesa	19-0005	QT005	apr19
QA115	Boeing	19-0006	QT006	
QA116	Boeing	19-0007	QT007	
QA117	Boeing Mesa	19-0008	QT008	may19
QA118	Boeing Mesa	19-0009	QT009	apr19
QA119	Boeing Mesa	19-0010	QT010	apr19
QA120	Boeing Mesa	19-0011	QT011	apr19
QA121	Boeing Mesa	19-0012	QT012	sep19
QA122	Boeing Mesa	19-0013	QT013	sep19
QA123	Boeing Mesa	19-0014	QT014	may19
QA124	Boeing Mesa	19-0015	QT015	sep19
QA125	Boeing	19-0016	QT016	
QA126	Boeing	19-0017	QT017	
QA127	Boeing	19-0018	QT018	
QA128	Boeing	19-0019	QT019	
QA129	Boeing	19-0020	QT020	
QA130	Boeing	19-0021	QT021	
QA131	Boeing	19-0022	QT022	
QA132	Boeing	19-0023	QT023	
QA133	Boeing	19-0024	QT024	

This is the entire serial batch of the initial order of 24 Boeing Apache Guardians for Qatar, which we have been able to complete by combining various sources. The third column is the Fiscal Year serial. As we reported before, serial presentation QAF-005 in the tail boom has been seen but this must have been an error. On the pictures of the only two confirmed deliveries so far, QA112 and QA113, it can be seen a "hyphen" is used in the serial presentation, like QA-112 and QA-113. We choose not to use the hyphen for standardisation purposes in our database, however. Almost certainly more

Guardians have been delivered by now, most likely courtesy of air transport on their own C-17A aircraft.

#### DHC-6-400

(A7-)MAQ/C-FVGY SF Skydiving Team del, ex Viking Air **963** sep19  
 (A7-)MAR/C-FVGV SF Skydiving Team del, ex Viking Air **966** sep19  
 Twin Otter C-FVGV left its birthplace Victoria (B.C.), Canada, for the first leg on the way to Qatar on 26 August 2019, almost two weeks after C-FVGY. That aircraft was seen by chance a in hangar at Istanbul Sabiha Gokcen (Turkey) 6 September 2019. A second example, presumably C-FVGV, hangered as well, was not identified. What the aircraft are still doing there is not clear. It could well be over flight and routing troubles to get to Qatar.

#### Rafale DQ

QA201	Dassault	Istres for test	DQ01	jan17
QA202	Al Adiyat		DQ02	jul19
QA203	Al Adiyat		DQ03	jul19
QA204	Al Adiyat		DQ04	jun19
QA205	Dassault	f/n, f/f 16sep19	DQ05	sep19
QA206	Dassault	on order	DQ06	
QA207	Dassault	on order	DQ07	
QA208	Dassault		DQ08	may19
QA209	Dassault	on order	DQ09	

#### Rafale EQ

QA210	Al Adiyat	del, ex Dassault	EQ01	sep19
QA211	Al Adiyat		EQ02	jun19
QA212	Dassault	f/n, f/f 17sep19	EQ03	sep19
QA213	Dassault		EQ04	dec18
QA214	Dassault	f/n, f/f 05sep19	EQ05	sep19
QA215	Dassault	on order	EQ06	
QA216	Al Adiyat		EQ07	jun19
QA217	Al Adiyat		EQ08	jul19
QA218	Al Adiyat		EQ09	jun19
QA219	Al Adiyat		EQ10	jul19
QA220	Al Adiyat		EQ11	jun19
QA222	Al Adiyat	del, ex Dassault	EQ13	sep19
QA223	Al Adiyat	del, ex Dassault	EQ14	sep19
QA224	Al Adiyat	del, ex Dassault	EQ15	sep19
QA225	Al Adiyat	del, ex Dassault	EQ16	sep19
QA226	Dassault	on order	EQ17	
QA227	Dassault	on order	EQ18	
QA228	Dassault	on order	EQ19	
QA229	Dassault	on order	EQ20	
QA230	Dassault	on order	EQ21	
QA231	Dassault	on order	EQ22	
QA232	Dassault	on order	EQ23	
QA233	Dassault	on order	EQ24	
QA234	Dassault	on order	EQ25	
QA235	Dassault	on order	EQ26	
QA236	Dassault	on order	EQ27	

The third batch of five new Qatar Rafale aircraft left

Bordeaux/Mérignac (France) on 3 September 2019. Almost half of the aircraft (15) have been delivered so far. All 36 Qatar Rafale on order are listed above, as we are now sure of the country code construction number (or series number) tie up. DefenseAero published this list first and it matched our assessment and expectation. However, also a not well known "real" individual sequential Dassault Rafale construction number (c/n) exists. In the left main gear bay, on the frame of the fuselage next to the forward door, two plates are mounted. The rear plate carries this c/n number as well as the series number punched on. Unfortunately, the forward door enclosing this bay is usually closed when the aircraft is parked on the ground. Almost the only way is to take a tele-picture from the small gap next to the undercarriage. The aircraft labelled "on order" have not been noted yet.

## Saudi Arabia

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

### F-15SA

12-1004	del, ex Boeing Palmdale via EGUL as Retro61	23sep19
12-1029	del, ex Boeing via EGUL as Retro62	23sep19
12-1042	del, ex Boeing via EGUL as Retro63	23sep19
12-1079	del, ex Boeing via EGUL as Retro64	23sep19

Once again four new Saudi Advanced Strike Eagles passed through RAF Lakenheath (United Kingdom). 12-1004 was one of the four developmental aircraft that was with the USAF at Palmdale (CA).

## North America

### Canada

Royal Canadian Air Force (AF)

Late July, the next step in the CF-188 replacement saw the issuing of the Requests for Proposal (RfP). Until Spring 2020, Airbus, Boeing, Lockheed, and SAAB have time to submit their initial proposals. Early September, Airbus withdrew its EF2000 Typhoon from the contest, citing NORAD security requirements and recent changes to industrial specifications as the main reasons. To upgrade the Typhoon to these standards would make the Airbus bid no longer competitive. This leaves just the Gripen E, F/A-18E/F and F-35 in the contest. Dassault pulled the Rafale out during the Rfi (Request for Information) phase a few years ago, citing similar reasons.

Meanwhile, the RCAF sent a contingent of CF-188s to Romania again, to support NATO's Black Sea border. As in previous years, the deployment takes place at Mihail Kogalniceanu

and lasts from 1 September till 31 December. 401 squadron is the parent unit and sent five CF-188s: 188734/YO-B, 188744, 188751/YO-C, 188753/YO-M, and 188766/YO-Q.

In addition to Scramble 470 page 86, the upgrade programme of the CH-149 Cormorant helicopter involves the procurement of at least two additional airframes. A study to see if it would be feasible to refurbish some VH-71 Kestrels that were acquired by IMP in 2011 has been concluded, however, the choice has been made to buy some new helicopters and keep using the Kestrels for spares reclamation. The Kestrels were left over from the failed US101 presidential helicopter programme which was terminated in 2009. The upgrade will bring the CH-149 to the same standard as the Norwegian AW101, the Mk612 version.

Fifteen of the RCAF's retired CH-124 Sea King have been bought by Rotor Maxx Support (RMS) from Parksville (B.C.). The company already operates eight civil S-61 and the Sea Kings will allow the company to expand its fleet.

### CC-295 (C295SAR)

(295502) f/f 05sep19 as EC-004 **185**

The second C295SAR made its first flight at Seville (Spain), still in primer, without serials and roundels.

## United States

United States Air Force (AF)

The US Air Force is considering redirecting funding from the B-1B Lancer programme and acquiring more next-generation B-21 Raider bombers as General David Goldfein, the commander of the USAF, said on 17 September 2019. Goldfein said that the USAF flew the B-1 in the least optimal configuration for all these years, and the result of that is the USAF put stresses on the aircraft that was not anticipated. As a result, the B-1 sees significant structural issues during depot maintenance. The USAF is now considering retiring a number of the legacy platforms that would be too costly to repair, and spending more money on other programmes like the B-21. Currently, the USAF is anticipating on the purchase of 100 Raiders of which the prototype will first fly in December 2021. Fielding of the new stealth bomber is expected from the mid-2020s. Currently, some twenty B-1Bs are stored at the 309th AMARG at Davis Monthan (AZ), this number can increase according to Goldfein's statement.

F-16C Fighting Falcons assigned to the 121st Fighter Squadron, 113th Wing, District of Columbia Air National Guard, are deployed to the Baza Lotnictwa Taktycznego (32nd Tactical



Two former Royal Netherlands Air Force SA316B Alouette 3 helicopters arrived in Malta. The duo (serials A-247 and A-292) arrived on 19 September 2019 in Malta by cargo vessel and were seen on 20 September by Shaun Psaila on flatbed trailers. The airframes will be delivered to the Air Wing of the Armed Forces of Malta (AFM). Most probably they will only be used for spare parts, but there is a small chance one will be up in the air.



Most Nigerian Air Force photos in Europe are related to Alpha Jets on their way for maintenance or B737 BBJs and Falcons of the Government. Thanks to Bill de Koning we can provide this stunningly camouflaged ATR42-500MP NAF930 for a change. It arrived at Mönchengladbach on 16 September 2019 for maintenance purposes.

Air Base), Lask (Poland). Normally the squadron, named "Capitol Guardians" is based at Joint Base Andrews AFB, NAF Washington (Camp Springs, MD). The 121st is participating in a bilateral training exercise with the Siły Powietrzne RP (SP, Polish Air Force) during Aviation Rotation 19.4 in support of Operation Atlantic Resolve. Also, in support of Aviation Rotation 19.4, KC-135R Stratotankers assigned to the 108th Air Refueling Squadron, 126th Air Refueling Wing, Illinois Air National Guard, are temporarily based at the 33rd Air Base (33.BLTr), Powidz (Poland). During the rotation, USAF and the SP will conduct training focused on maintaining joint readiness while building interoperability capabilities.

The US Air Force will receive its first MH-139 helicopter for flight test in December 2019 as the commander of the Air Force Global Strike Command (AFGSC) said. With this delivery, the USAF marks the next phase of the USD 2,4 billion programme in which manufacturer team Boeing and Leonardo build the helicopter. The USAF decided to acquire 84 MH-139s (the military variant of the well-known civilian AW139) that will replace some sixty Bell UH-1N Hueys at nuclear missile fields across the US and for other transport and VIP missions. The first operational MH-139 are expected in fiscal year 2021 at Malmstrom AFB (MO). The first unit will be the 40th Helicopter Squadron 'Pathfinders'. This unit, with tail code "MM", is part of the 582nd Helicopter Group. The final MH-139s within the operational USAF inventory will arrive through fiscal year 2027. The reason this goes so quickly is that the MH-139 requires less strenuous testing because it is based on a proven commercial product, all that is needed is to ensure the helicopter can meet its military mission requirements.

On 19 September 2019, the first two Air National Guard F-35As were delivered to Burlington ANGB (VT). Lt. Col. Nathan Graber, a pilot assigned to the 134th Fighter Squadron, 158th Fighter Wing, Vermont Air National Guard, and Lt. Col. Anthony Marek, a pilot and commander of the 134th FS, have landed the first two F-35As (serials 17-5265 and 17-5266) at Burlington. The 158th FW is the first Air National Guard unit to receive the stealth fighter, and will be the fourth operational F-35A wing in the US Air Force (following the 33rd FW (Eglin AFB, FL), 388th FW, 419th FW (both at Hill AFB, NV)). The 158th will receive a total of twenty aircraft over the following months.

The US Forces Korea (USFK) will receive some sixty F-35A Lightning IIs from early 2020. The Lockheed Martin build aircraft will initially be based at the current F-16 town Osan

air base in South Korea's Pyeongtaek, Gyeonggi Province, with the second base in Gunsan in South Korea's North Jeolla Province. The US Air Force F-35As will replace the Pacific Air Command (PACAF) F-16CM and F-16DMs. That Air Order of battle looks as follows right now:

#### 8th Figher Wing at Gunsan air base, tailcode "WP"

35th FS "Pantons"

80th FS "Juvats"

#### 51st Fighter Wing at Osan air base, tailcode "OS"

36th FS "Flying Fiends"

Back in July 2019, Gen. Charles Brown, the commander of the US Pacific Air Forces, said some 220 F-35s will eventually be deployed for US troops and allies in the region by 2025. Separately, the Republic of South Korean Air Force (RoKAF) bought forty F-35As that all will be delivered by 2021. Some ten are already in country. Of course, North Korea and China are not pleased with the F-35 in their back yards and especially North Korea has responded extremely sensitively to the RoKAF procurement. The additional massive stealth fighter development by the USAF will not help in this opinion.

#### A-10C

78-0586/FT	75th FS	ex 184th FS	<b>A10-0206</b>	jan19
79-0153/DP	47th FG	ex 924th FG	<b>A10-0417</b>	aug19
80-0166/FT	75th FS	ex 74th FS	<b>A10-0516</b>	aug19

#### B-52G

59-2579	LV Air Mus	ex Washington, UT	<b>464342</b>	sep19
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#### B-52H

60-0022	OC-ALC	ex 96th BS	<b>464387</b>	jul19
61-0011	OC-ALC	ex 93rd BS	<b>464438</b>	jul19

#### C-5M

86-0011	Robins AFB ALC	ex 22nd AS	<b>500-97</b>	apr19
86-0013	Robins AFB ALC	ex 9th AS	<b>500-99</b>	apr19
86-0015	433rd AW	ex 22nd AS	<b>500-101</b>	aug19
86-0023	60th AMW	ex 68th AS	<b>500-109</b>	aug19

#### C-17A

02-1107	156th AS	ex 62nd AW	<b>50115/F114/P107</b>	sep19
07-7180	Robins AFB ALC	ex 437th AW	<b>50198/F197/P180</b>	apr19

#### C-20B

86-0206	to NASA as N520NA ex 309th AMARG		<b>478</b>	jan18
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#### C-40B

01-0015	1st AS	ex 65th AS	<b>32916/979</b>	sep19
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#### KC-46A

16-46017	22nd ARW	new delivery	<b>34108/1117</b>	aug19
17-46029	133rd ARS	new delivery	<b>34110/1137</b>	aug19

17-46034	133rd ARS	new delivery	aug19	60-0342	22nd ARW	ex 6th AMW	<b>18117/T0456</b>	aug19
18-46039	22nd ARW	new delivery	aug19	<b>F-15C</b>				
18-46042	22nd ARW	new delivery	aug19	78-0504	Robins AFB ALC	ex 194th FS	<b>488/C037</b>	apr19
<b>AC-130U</b>				<b>F-15D</b>				
89-0513	309th AMARG	ex 4th SOS	<b>382-5232</b>	81-0062	Robins AFB ALC	ex 114th FS	<b>747/D035</b>	apr19
<b>C-130A</b>				<b>F-15E</b>				
57-0477	scrapped	ex Savannah IAP	<b>182-3184</b>	86-0186/SJ	333rd FS	ex 40th FLTS	<b>1015/E004</b>	aug19
<b>C-130E</b>				88-1683/SJ	333rd FS	ex 335th FS	<b>1092/E067</b>	sep19
64-0521	Martin State Airport	ex Kirtland AFB	<b>382-4005</b>	90-0257/WA	17th WPS	ex 57th WPSS	<b>1196/E159</b>	aug19
<b>C-130H</b>				91-0318/LN	492nd FS	ex 494th FS	<b>1225/E183</b>	aug19
74-1660	Ft. Detrick	ex 164th AS	<b>382-4592</b>	<b>F-16C</b>				
87-9285	164th AS	ex 328th AS	<b>382-5126</b>	86-0306/VT	121st FS	ex 134th FS	<b>5C-412</b>	sep19
87-9287	164th AS	ex 758th AS	<b>382-5128</b>	86-0315/ED	121st FS	ex 416th FLTS	<b>5C-421</b>	aug19
91-9144	357th AS	ex 328th AS	<b>382-5297</b>	<b>F-16CM</b>				
94-6704	Tuscon AZ	Fuselage only	<b>382-5394</b>	90-0707/WA 07	64th AGRS	ex 16th WPS	<b>1C-315</b>	aug19
96-7323	130th AS	ex 731st AS	<b>382-5432</b>	90-0744/HO	8th FS	ex 466th FS	<b>1C-352</b>	aug19
96-7324	130th AS	ex 731st AS	<b>382-5433</b>	<b>F-16DM</b>				
<b>C-130J</b>				89-2172/HO	8th FS	ex 80th FS	<b>1D-47</b>	aug19
16-5851	41st AS	new delivery	aug19	<b>F-35A</b>				
<b>HC-130J</b>				13-5079/LF	308th FS	ex 34th FS	<b>AF-85</b>	sep19
16-5862	130th RQS	ex 120th RW	<b>382-5862</b>	17-5246/WA	6th WPS	ex unknown	<b>AF-188</b>	aug19
17-5878/LI	102nd RQS	new delivery	<b>382-5878</b>	17-5249/OT	422nd TES	new delivery	<b>AF-191</b>	aug19
<b>KC-135R</b>				17-5261/HL	421st FS	new delivery	<b>AF-203</b>	jul19
57-1432	106th ARS	ex 191st ARS	<b>17503/T0112</b>	17-5262/HL	421st FS	new delivery	<b>AF-204</b>	jul19
57-1439	22nd ARW	ex 6th AMW	<b>17510/T0119</b>	17-5265/VT	134th FS	new delivery	<b>AF-207</b>	sep19
58-0076	OC-ALC	ex 74th ARS	<b>17821/T0291</b>	17-5266/VT	134th FS	new delivery	<b>AF-208</b>	sep19
59-1448	Tinker AFB ALC	ex 153rd ARS	<b>17936/T0351</b>	17-5267/OT	422nd TES	new delivery	<b>AF-209</b>	aug19
59-1470	6th AMW	ex 92nd ARW	<b>17958/T0373</b>	<b>F-117A</b>				
60-0360	92nd ARW	ex 909th ARS	<b>18135/T0474</b>	80-0785	scrapped 2017	ex std Tonopah, NV	<b>A4010</b>	
61-0315	22nd ARW	ex 6th AMW	<b>18222/T0537</b>	<b>UH-1N</b>				
62-3507	912th ARS	ex 909th ARS	<b>18490/T0558</b>	69-6605/MT	54th HS	ex 91st MW	<b>31011</b>	aug19
62-3517	91st ARS	ex 92nd ARW	<b>18500/T0568</b>	69-6623/MT	54th HS	ex 91st MW	<b>31029</b>	aug19
62-3540	22nd ARW	ex 54th ARS	<b>18523/T0591</b>	69-6660/MT	54th HS	ex 91st MW	<b>31066</b>	jul19
62-3553	91st ARS	ex 92nd ARW	<b>18536/T0604</b>	<b>HH-60G</b>				
62-3559	92nd ARW	ex 22nd ARW	<b>18542/T0610</b>	01-26881	210th RQS	ex 66th RQS		aug19
62-3568	6th AMW	ex 92nd ARW	<b>18551/T0619</b>	05-27068	210th RQS	ex UH-60L		sep19
62-3573	22nd ARW	ex 91st ARS	<b>18556/T0624</b>	89-26198/-	55th RQS	ex 23rd Wing	<b>70-1421</b>	aug19
62-3575	92nd ARW	ex 6th AMW	<b>18558/T0626</b>	<b>MQ-9A</b>				
62-3575	92nd ARW	ex 6th AMW	<b>18558/T0626</b>	11-4150/CH	432nd Wing	f/n jul19		jul19
63-7978	92nd ARW	ex 909th ARS	<b>18595/T0634</b>	12-4208/OT	556th TES	f/n jul19		jul19
63-8020	22nd ARW	ex 97th AMW	<b>18637/T0676</b>	07-4027/ND	178th RS	ex 29th ATKS	<b>PB-027</b>	jul19
63-8883	91st ARS	ex 22nd ARW	<b>18731/T0714</b>	13-4245/ND	178th RS	f/n jul19	<b>PB-245?</b>	jul19
<b>KC-135T</b>								
59-1520/ZZ	909th ARS	ex no markings	<b>18008/T0423</b>					



AW101 ZZ107 was seen at Yeovil on 5 September 2019. It is destined for Norway, where it will receive serial 0276. (Martin Uleman)



Back in July 2018 Zambia ordered a Gulfstream 650, AF001. Jonathan Druion saw it at Lanseria on 13 March 2019 under nice conditions.

13-4246/ND	178th RS	f/n jul19	<b>PB-246?</b>	jul19
15-4285/CA	163rd AW	f/n aug19		aug19

#### T-38C

69-7081/CB	49th FTS	ex 50th FTS	<b>T6231</b>	sep19
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#### CV-22B

14-0074	21st SOS	ex 20th SOS	<b>D1055</b>	aug19
14-0075	21st SOS	ex 8th SOS		sep19

United States Navy unit news

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

#### Fleet Replacement Squadron

On 9 September 2019, Carrier Airborne Early Warning Squadron (VAW) 120 Greyhawks ('AD-xxx') took delivery of their first E-2D Advanced Hawkeye that is equipped with an air-to-air refueling probe. Approximately ten months ago, the Hawkeye Operational Test team of Air Test and Evaluation Squadron (VX) 1 at NAS Patuxent River (MD) completed aerial refuelling training, becoming the first E-2D fleet aviators to qualify for aerial refuelling (AR). On 9 September, the first A-R capable E-2D joined the "Greyhawks" Fleet Replacement/Readiness Squadron (FRS) at NAS Norfolk (VA). With the FRS, operational fleet aviators will be instructed how to operate with the new capability. The A-R Hawkeyes will extend the endurance of the fleet multipliers, increasing the battlespace awareness and integrated fire control, both from the air and the sea. The E-2D is a brand-new one, BuNo 169066 and will be painted in VAW-120 colours soon.

#### Carrier Air Wing 3, USS *Gerald R. Ford* (CVN-78), AC

Ike, with embarked Carrier Air Wing THREE, is underway conducting the Tailored Ship's Training Availability (TSTA) and Final Evaluation Problem (FEP) as part of the basic phase of the Optimized Fleet Response Plan. The wing looks as follows:

VFA-32	Swordsmen	F/A-18F	1xx
VFA-83	Rampagers	F/A-18E	2xx
VFA-131	Wildcats	F/A-18C	3xx
VFA-105	Gunslingers	F/A-18E	4xx
VAQ-130	Zappers	EA-18G	5xx
VAW-123	Screwtops	E-2C-NP	6xx
HSC-7	Dusty Dogs	MH-60S	61x
HSM-74	Swamp Foxes	MH-60R	7xx
VRC-40/Det.2	Rawhides	C-2A NP	xx

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

Electronic Attack Squadron (VAQ) 131 "Lancers" has changed assignments. The squadron, formerly known to operate with Carrier Air Wing EIGHT ('AJ') onboard the USS *George H.W. Bush* (CVN-77) with modex 'AJ-50x', swapped from Fleet Squadron to Joint (USN/USAF) Expeditionary Squadron (land-based) with code/modex 'NL-55x'. The squadron based at NAS Whidbey Island (WA) joined VAQ-132 *Scorpions* ('NL-

54x'), VAQ-134 *Garudas* ('NL-53x'), VAQ-135 *Black Ravens* ('NL-52x') and VAQ-138 *Yellowjackets* ('NL-51x').

We have no reports yet about the successor of VAQ-131 within CVW-8, anyone? As the code/modex combination 'NL-55x' is used now, it is assessed that another Fleet squadron changed wing.

Although still not confirmed by the US Navy, more news has become available to indicate Strike Fighter Squadron (VFA) 97 Warhawks will become next in line to transition to the F-35C at NAS Lemoore (CA). Scramble Facebook News already assessed this development late August 2019. We saw most VFA-97 F/A-18Es leaving the squadron for VFA-137 Kestrels, and that started a thinking process in the head of the Scramble US Navy editor. With the current delivery schedule we expect the Warhawks to receive their first F-35C from March 2020. As said, most of the F/A-18Es of VFA-97 went to VFA-137. In return VFA-97 received a couple of former VFA-137 F/A-18Es (most probably an older Block number) to keep the Warhawks pilots current. As the squadron has no operational task now, they have volunteered to act as an adversary unit for their fellow squadrons. This is a very first for the F/A-18E community as until now only legacy Hornets have fulfilled this job. Three Rhino's were noted during a recent 4Aviation trip to Lemoore in a "striking and stunning" adversary scheme!

#### Carrier Air Wing 11, USS *Theodore Roosevelt* (CVN-71), NH

Just recently, a very standard US Navy F/A-18F was seen at NAS Lemoore (CA), but that appearance was deceiving as the aircraft belonged to Strike Fighter Squadron (VFA) 146 *Blue Diamonds* ('NH-3xx'). Till now the squadron only has single seat F/A-18Es in its inventory. It is not known why the Lemoore based unit brought a single twin stick F/A-18F 166666/NH-357 to its work-up cycle towards the next cruise onboard a carrier. Looking at the divergent "high" modex "357", it looks as if this aircraft is a former VFA-122 bird.

#### United States Marine Corps (NY)

The US Marine Corps is planning for a "concept advancement contract" to multiple manufacturers between 2020 and 2023 with a full replacement of the Viper en Venom by the Attack Utility Replacement Aircraft (AURA) around 2030. On 16 September 2019 the USMC issued a Request for Information (RoI) to the industry with AURA programme specifications that takes advantage of all the work manufacturers are already doing for the US Army' Future Long Range Assault Aircraft (FRLAA) which aims to replace the Black Hawk. The RoI states AURA must meet a combat radius without refueling of 450 nautical miles (830 kilometres) and a cruise speed of 295 knots (540 km/h), both specs a little higher compared to the FRLAA, so the AURA can keep up with the MV-22B Osprey. The RoI further specifies for both an attack and utility variant

with much commonality, like the current AH-1Z and UH-1Y that shares more than 80% of parts in common. In December 2019, manufacturers are expected to push their candidates, with so far two main candidates, variants on the Bell V-280 Valor and the Sikorsky-Boeing SB-1 Defiant. The Naval Air Systems Command is the USMC/Navy agency in charge of the future acquisition.

During 2019, a major component of the US Marine Corps Marine Unmanned Aerial Vehicle Squadron (VMU) 1 Watchdogs ('WG-xx') accomplished 4,800+ flight hours of direct support reconnaissance with their General Atomics Aeronautical Systems, Inc. (GA-ASI) MQ-9A Reaper Unmanned Aircraft System (UAS) over a twelve month period. The MQ-9A has provided crucial support to USMC's forward operations on the battlefield, as well as serving as a proof of concept for the Deputy Commandant's Marine Aviation Plan. Building the USMC Group 5 UAS community, this initiative will help inform the Marine Air Ground Task Force (MAGTF) UAS Expeditionary (MUX) programme.

VMU-1 has been utilizing leased Reapers to fulfill an urgent needs request for persistent Intelligence, Surveillance, and Reconnaissance (ISR) in the Afghanistan theater since September 2018. The USMC transitions its Company Owned/ Company Operated (COCO) MQ-9A contract to a Government Owned/Government Operated (GOGO) contract during 2020. Hopefully that will lead to "Marines" marked MQ-9s with "WG" tailcodes. The COCO birds are usually unmarked. The GOGO will achieve Initial Operating Capability in 2020. VMU-1 will be the test bed and incubator to provide crucial information, lessons learned, requirements, and tactics, techniques, and procedures that will aid in the USMC efforts for a successful acquisition and fielding of MUX. VMU-1 is known to be the operator of the RQ-21A Blackjack operating out of MCAS Yuma (AZ).

United States Marine Corps unit news  
**Marine Force Atlantic (MARFORLANT)**

The second squadron within 2d Marine Air Wing swapped in the May-June 2019 timeframe to the AH-1Z Viper. The *Gun Runners* of Marine Light Attack Helicopter Squadron (HMLA) 269 ('HF-xx'), based at MCAS New River (McCutcheon Field) (NC) traded in - as the last active duty squadron of 2d MAW - their old AH-1Ws. The unit is now equipped with the AH-1Z as well as the UH-1Y Venom. HMLA-167 *Warriors* ('TV-xx'), also based at New River, already transitioned to the AH-1Z in November 2018.

United States Navy (NY)

- FRCE = Fleet Readiness Center East, Cherry Point (NC)
- FRCMA = Fleet Readiness Center Mid Atlantic, Oceana (VA)
- FRCSW = Fleet Readiness Center South West, North Island (CA)
- LMTAS = Lockheed Martin Tactical Aircraft Systems, Fort Worth (TX)

**C-40A**  
166695/695 VR-61 ex VR-56 **40574/3413** sep19

**C-130T-30**  
164598/AX-598 VR-53 ex RU-598/VR-55 **382-5263** aug19

**E-2C-2000**  
165819/NA-602 VAW-116 ex NE-600/VAW-113 **A190** sep19  
165823 nmks ex NG-603/VW-117 **A194** sep19  
165828/NA-601 VAW-116 ex FRCSW **A199** sep19  
166504/NH-604 VAW-115 ex NE-603/VAW-113 sep19  
166506/NA-603 VAW-116 ex NF-602/VAW-115 sep19

**E-2D**  
169066 VAW-120 del **AA32?** sep19  
169070/770 VAW-113 ex 770/VAW-120 **AA36?** sep19  
169071/661 VAW-113 ex 661/VAW-120 **AA37?** sep19  
169074/663 VAW-120 del **AA40?** aug19

**F/A-18A+**  
162862/AF-411 VFA-204 ex FRCSW **397/A331** sep19

**F/A-18C**  
163741/5 309th AMARG ex Blue Angels **812/C100** sep19  
164027/36 NAWDC ex FRCSW **913/C165** sep19  
164210/25 NAWDC ex AD-336/VFA-106 **973/C202** sep19  
164270/AD-314 309th AMARG ex AD-314/VFA-106 **1033/C248** jul19  
164277/24 NAWDC ex VE-200/VFA-115 **1040/C254** sep19  
164682/32 NAWDC ex RA-20/FRCSW **1115/C296** sep19

**F/A-18E**  
165783 VFA-192 ex NH-300/VFA-146 **1530/E026** sep19  
165863/NG-02 VFA-97 ex NE-305/VFA-192 **E039** sep19  
165867/NE-307 VFA-192 ex NE-312 **E043** sep19  
165897/NG-03 VFA-97 ex NE-200/VFA-137 **E052** sep19  
165898/NG-04 VFA-97 ex NE-201/VFA-137 **E053** sep19  
165901 nmks ex NE-202/VFA-137 **E056** sep19  
165906 nmks ex NE-207/VFA-137 **E061** sep19  
165907/NJ-210 VFA-122 ex NE-210/VFA-137 **E062** jul19  
166422/NJ VFA-122 ex NG-214/VFA-14 **E067** sep19  
166424/NH-301 VFA-146 ex NG-215/VFA-14 **E069** sep19  
166430/NH VFA-146 ex NH-201/VFA-147 **E075** sep19  
166433/NH VFA-146 ex NG-203/VFA-14 **E078** sep19  
166443/NH-307 VFA-146 ex NH-206/VFA-147 **E088** sep19  
166444/NH-310 VFA-146 ex NH-207/VFA-147 **E089** sep19  
166954 nmks ex NJ-212/VFA-122 **E196** sep19  
168469/NH-405 VFA-87 ex AJ-305 **E226** jun19  
168470/NH-407 VFA-87 ex AJ-307 **E227** sep19  
168875/NJ-227 VFA-122 ex NG-310/VFA-97 **E252** sep19  
168877/NE-200 VFA-113 CAG c/s **E254** sep19  
168878/NE-201 VFA-113 ex NA-301 **E255** sep19  
168882/NJ-305 VFA-122 ex NA-305/VFA-113 **E259** sep19  
168883/NE-206 VFA-113 ex NA-306 **E260** sep19  
168885/NE-210 VFA-113 ex NA-310 **E262** sep19  
168886/NA-311 VFA-137 ex NA-311/VFA-113 **E263** sep19  
169113/NE-212 VFA-113 ex NA-312 **E287** sep19  
169641/AJ-400 VFA-34 ex AD-151.VFA-106 **E303?** sep19  
169642/AJ-402 VFA-34 ex AD-152/VFA-106 **E304?** sep19  
169643/AJ-403 VFA-34 ex AD-153/VFA-106 **E305?** sep19  
169644/AJ-404 VFA-34 ex AD-155/VFA-106 **E306?** sep19  
169645/AJ-405 VFA-34 f/n **E307?** sep19  
169646/AJ-406 VFA-34 f/n **E308?** sep19  
169734/AD-140 VFA-106 f/n **E3..** sep19  
169735/AD-141 VFA-106 f/n **E3..** sep19

**F/A-18F**  
165888/NJ VFA-122 std Lemoore **F048** sep19  
165912/AD-204 VFA-106 ex NA-401/VFA-94 **F058** aug19  
165914/NJ-126 VFA-122 ex NA-402/VFA-94 **F060** sep19  
165916/NJ-112 VFA-122 ex NA-404/VFA-94 **F062** sep19  
165918/NJ-117 VFA-122 ex NA-406/VFA-94 **F064** sep19  
165919/NJ-113 VFA-122 ex NA-407/VFA-94 **F065** sep19  
165920/NJ-124 VFA-122 ex NA-410/VFA-94 **F066** sep19  
165929/NJ-123 VFA-106 ex NA-411/VFA-94 **F075** jul19  
166612/AD-266 VFA-106 ex AG-212/VFA-103 **F105** aug19  
166624/AJ-207 VFA-213 ex AB-102/VFA-11 **F117** sep19  
166636/AB-102 VFA-11 ex AB-210/VFA-211 **F129** sep19  
166666/NH-357 VFA-146 ex NE-166/VFA-2 **F144** sep19  
166672/AD-213 VFA-106 ex AJ-213/VFA-213 **F150** aug19  
166679/AB-110 VFA-11 ex AJ-202/VFA-213 **F157** aug19  
166844/NA-211 VFA-41 ex NG-101/VFA-41 **F192** sep19  
166848/NJ-130 VFA-122 ex NG-105/VFA-41 **F196** sep19  
166874/NE-115 VFA-2 ex NH-101/VFA-154 **F204** sep19  
166877/NG-101 VFA-41 ex NH-104/VFA-154 **F207** sep19  
166880/NA-210 VFA-94 ex NH-107/VFA-154 **F210** sep19  
166926/NA-207 VFA-94 ex NH-207 **F234** sep19  
166977/NA-206 VFA-94 ex NH-206 **F252** sep19  
166979/NA-205 VFA-94 ex NJ-172/VFA-122 **F254** sep19  
166981/NA-204 VFA-94 ex NG-111/VFA-41 **F256** sep19  
168491/NA-202 VFA-94 ex AD-263/VFA-106 **F265** sep19  
168928/NA-201 VFA-94 ex NH-201 **F274** sep19  
168929/NA-200 VFA-94 ex NJ-165/VFA-122 **F275** aug19  
169647/AD-252 VFA-106 f/n **F277** aug19  
169653/NH-101 VFA-154 ex AD-251/VFA-106 **F283** sep19

**EA-18G**  
166939/NJ-567 VAQ-129 ex NL-543/VAQ-132 **G24** sep19  
168264/NL-554 VAQ-131 ex NJ-560/VAQ-129 **G46** sep19  
168773/503 NAWDC ex AJ-501/VAQ-131 **G87** sep19  
168902/500 NAWDC ex NJ-505/VAQ-129 **G100** sep19







FAC1204	B727-2X3(F)	ESCTA 811
FAC1215	ERJ135BJ	ESCVE 821
FAC1216	Lj60	ESCVE 821
EJC1125	Beech 350i	BAAV 1
PNC-0227	C-26B	ARAVI
PNC-0250	Beech 1900D	ARAVI
84-0179	C-12T	OSCOM/WY ANG

Otherside

FAC4103, FAC4109	UH-60L Halcon	ESCOE 512
FAC4104	AH-60L Arpia II	ESCOE 512
FAC4121	UH-60L Halcon	ESCOE 512
FAC4125, FAC4132	AH-60L Arpia IV	ESCOM 511
FAC4129	AH-60L Arpia III	ESCOM 511
FAC4135	UH-60L Halcon	ESCOE 512
FAC4138	MH-60L Ángel	ESCOE 512
FAC4418	UH-1H-II	ESCAA 412
FAC5055	Ce208	ESCOE 512
FAC5071	Ce208B	ESCOE 512

Flying only

FAC1202	KC-767-200(ER)	ESCTA 811
FAC3051, FAC3052	Kfir COA	ESCOM 111
FAC3059, FAC3061	Kfir COA	ESCOM 111
60-0057/BD	B-52H	340th WPS

Chitose (Japan)

Air Show 04 August 2019

80-1112	B777-3SB(ER)	701 Hikotai
05-1084	C-130H	401 Hikotai
63-8539	F-2A	3 Hikotai
57-6907	RF-4E	501 Hikotai
82-8896	F-15J	nmk
82-8899	F-15J	201 Hikotai
76-8689	F-104J	Preserved
73450/IATH	AH-1S	1 Taisensha Herikopotatai
41903/NH	UH-1J	Hokubu Homen Herikopotatai
27-4488	CH-47J	Misawa Herikoputa Kuuyutai
48-4580, 78-4585	UH-60J	Chitose Kyunantai
8430	SH-60K	25 Kokutai
5094	P-3C	2 Kokutai
06-5635	T-4	201 Hikotai
26-5695/5, 36-5697/6	T-4	Blue Impulse
85-3253	U-4	nmk
42-3022	U-125A	Chitose Kyunantai
90-0808/WW, 92-3883/WW	F-16CM	35th FW

F-15J of 203 Hikotai:  
52-8848, 62-8873, 72-8880, 72-8881, 72-8882

Ronneby-Kallinge

Flygdag 2019 25 August 2019

Static:

30+54	EF2000(T)	TLG31
39247/247, 39254/254	JAS39C	F17
39284/284	JAS39C	F17
39829/829	JAS39D	F17
146056/56	Hkp14F	3.Hkpskv
152766/66	Hkp15B	3.Hkpskv
60105/105	Sk60A	FlygS F10 mks
84005/845	TP84	71 Airlift sq
100003/003	S100D	72 ASC sq
102002/022	S102B	73 SIGINT sq
141757/57	Hkp15A	2.Hkpskv camo
161228/03	Hkp16A	2.Hkpskv
39-9	JAS39E	Saab Aircraft
09208/08	Hkp9A	instructional
J-5011	F/A-18C	F1St 11 \$
06-6167	C-17A	436th AW
SE-BIL	P-51D	as/ex El Salvador FAS 405
SE-BIR	Spitfire F.XVI	as/ex RAF RW386/NG-D
SE-BYH	B17A	as/ex 17239/J blue
SE-CFP	C-47A	ex Swed AF 79007
SE-DXB	J29F	as/ex 29670/R yellow
SE-DXM	Hunter F58	as G red (ex J-4082)
SE-DXN	AJS37	as/ex 37098/52
SE-DXP	Sk35C	as/ex 35810/79
SE-FUB	Sk16A	as/ex 16028/28

SE-LDD	Sk50B	ex 50038
SE-LJN	Saab 340	instructional
SE-RMD	J32B	as/ex 32542/23

Knut Han Flykteknik hangar

03305/45	Hkp3C	instructional	
(06049)	Hkp6B	instructional	8210
SE-GBO	PA-31-310	instructional	

Flightlines

HN-438, HN-446	F-18C	HävLLv 11	
39210/210	JAS39C	F17	\$
39836/836	JAS39D	F17	
J-5017	F/A-18C	F1St 11	
SE-DXR	J35J	as/ex 35556/56	

JAS39C of F17:

39221/221, 39230/230, 39246/246, 39270/270, 39282/282, 39294/294

QRA-sheds

39208/208, 39264/264	JAS39C	F17
39287/287	JAS39C	F17

Flying

146058/58	Hkp14F	3.Hkpskv	1012
146059/59	Hkp14F	3.Hkpskv	1249
152763/63, 152768/68	Hkp15B	3.Hkpskv	
152770/70	Hkp15B	3.Hkpskv	
161238/13	Hkp16A	2.Hkpskv	
60125/125	Sk60A	FlygS	TEAM60 c/s
SE-IGL	Sk50B	as/ex 50053/53	
SE-KVU	Sk50B	as/ex 50018/18	
SE-KYA	Sk50C	as/ex 50080/80	
SE-MEF	Sk50C	as/ex 50083/83	
SE-JPT	Bell 429	Police	

Visitors

100008/008	TP100C	72 ASC sq
PI-01	PC-12/47E	TukiLLv
T-785	Falcon 900EX	LTDB

Elsewhere

32151/B ye	A32A	ex Swed AF	gate guard
35532/32	J35J	ex Swed AF	dump
35901/08	S35E	ex Swed AF	dump

Islamabad-Nur Khan (Pakistan)

Pakistan Defence Day 6 September 2019

14-736	F-16A ADF	19(OCU)sq
90-566	F-7P	18(OCU)sq
07-105	JF-17	16(MR)sq
17-240	JF-17	16(MR)sq
R09-001	Il-78MP	10(MRTT)sq
96-722	Mirage 5EF	27(TA)sq

Masroor (Pakistan)

Pakistan Defence Day 6 September 2019

18-013	AW139	84(CS)sq?
02-831	F-7PG	23(AS)sq
14-738	F-16A ADF	19(OCU)sq as '14738'
18-254	JF-17	nn
13-003	KE-03	4(EW)sq
79-436	Mirage 5PA2	8(TA)sq

Peshawar (Pakistan)

Pakistan Defence Day 6 September 2019

14-739	F-16A ADF	19(OCU)sq
01-815	F-7PG	17(AS)sq
15-216	JF-17	26(MR)sq
04-106	Mirage 5DR	15(TA)sq
96-758	Mirage 5EF	nm

Rawalpindi-Qasim (Pakistan)

Pakistan Defence Day 6 September 2019

2805	AS350B3	nm
704	Ce208B EX	nm
2441	IAR330Sm	28AAsq
81-5107	MFI-17	nm
58630	Mi-17-1V	nm bn/tan c/s
58641	Mi-171	nm bn/gn/tan c/s

705	SA315B	nm	flying	N15KK	AT-11	ex 42-37620
706	SA315B	nm		N696RE	AT-6C	ex 7696/SAAF, as/ex FX352
<u>Zeltweg (Austria)</u>				N6593D	T-6G	ex E.16-109, as/ex 49-3357
<u>Airpower</u>				OE-AFC	PA18-19	ex 2A-AO
06- 07 September 2019				OE-BXC	EC135P2+	Polizei
<u>Static:</u>				YU-YAE	G2A Galeb	ex 23177
BF-36	SAAB J105Ö	DTSta		<u>Red Bull aircraft:</u>		
3C-OB	OH-58B	MzHSSta		D-HSDM	Bo105CB-4	
3E-KA	Alouette 3	VeHSSta		D-HTDM	Bo105CBS-4	
3G-EN	PC-6/B2-H2	ILuTSta		D-HUDM	Bo105CBS-5	
3H-DC	DA40NG	Labt FlaFlz		N25Y	P-38L	ex 44-53254
3H-FH	PC-7	Labt FlaFlz		N69KL	Su-29	
5D-HZ	AB212	ITHSSSta		N991DM	Ce337D	
6M-BI	S70A-42	mTHSSta		N6123C	B-25J	ex 44-86893
7L-WO	EF2000	UbwGeschwader		N50429	PT-19A	ex 42-34539/39
224	Mi-171Sh	EVH		OE-ADM	T-34A	ex 55-0200
30+15	EF2000	TLG74		OE-AMM	PT-13D	ex 42-16869
31+45	EF2000	TLG31		OE-EAS "96995/RB-37"	F4U-4	ex 614/Honduras
44+64, 45+64	Tornado IDS	TLG33		OE-ESA	T-28B	ex 138179/MG
54+19	A400M	LTG62		OE-FAS	Alpha Jet A	ex 40+90
57+05	Do228NG	MFG3		OE-GNP	Ce560XL	
60+08	P-3C	MFG3		OE-IDM	Falcon 900EX	
76+02	H145M	HSG64		OE-LDM	DC-6B	ex GMB-110/Zambia
82+60	EC135T1	IHAZ		OE-XDM	TH-13T	ex 66-8075
83+11	Super Lynx Mk88	AMFG3		OE-XFB	EC135T2	
43	JAS39D	MH 59.Sz.D. REB.		OE-XSY	Sycamore Mk52	ex 78+17, as XG545
MM7303/4-2	F-2000A	4° Stormo		<u>Hangar (behind Red Bull ramp):</u>		
MM7339/4-61	F-2000A	4° Stormo		7L-WA, 7L-WC	EF2000	UbwGeschwader
MM7360/32-10	F-35A	13° Gruppo		7L-WI +1	EF2000	UbwGeschwader
MM55220/61-16	T-346A	212° Gruppo		<u>Hangar 2 (near flightlines):</u>		
MM81962/501	AW169	nb		3H-FF +3	PC-7	Labt FlaFlz
LX-N90454	E-3A	NAEW&CF		<u>Hangar 4 (near flightlines):</u>		
J-065	F-16BM	322sq		3E-KV	SA316B	VeHSSta
8309	Su-22M-4	21BLT		<u>Flightlines static side:</u>		
1303/SL	MiG-29UBS	TakKridl		BA-31, BG-37	SAAB J105Ö	DTSta
L9-63	PC-9M	152LEESK		GD-14, RC-23	SAAB J105Ö	DTSta
XX321/CI	Hawk T1A	100sq		RE-25, RI-29	SAAB J105Ö	DTSta
ZK026/FB	Hawk T2	25sq		7L-WB, 7L-WF	EF2000	UbwGeschwader
95-6709	C-130H	130th AS WV ANG		7L-WM, 7L-WN	EF2000	UbwGeschwader
169329/PD	P-8A	VP-9		FA89, FA101	F-16AM	2w
D-EDMA	Do27A-4	ex 56+88		31	JAS39C	MH59
D-ELLM	N1002	ex 88		509	F-16C	343mira
D-EOGE	FWP149D	ex 91+04		535	F-16C	340mira
D-FYII	LET C11	ex 1312, as 52 white		J-009	F-16AM	322sq
D-HDDL	EC135P2+	MFG5		L9-65	PC-9M	152LEESK
D-IFCC	CM170	ex 93+02		3819	Su-22M-4	21BLT
D-IFKG	DH89A Dominie	ex D-7/Belgium		ZK011/B	Hawk T2	4sq
G-CBOE	Hurricane XII	ex 5487/Canada, as AG244		D-FWMV	FW190A-8	replica
HA-ANI	An-2P			F-AYSB	CL-13B Sabre 6	ex 01+13, as 01675/FU-675
I-MJET	S211	ex 349/Singapore				



Austrians Eurofighter 7L-WB received special markings for this years Airpower at Zeltweg (6 September, Otger van der Kooij)

G-MXVI Spitfire LF.XVIe TE184/9N-B  
 HB-RVV Hunter T68 J-4206  
 OK-UTI SBLim-2 ex 266/Poland, as 2514  
 SE-DXR J35J ex 35556/56

MB339A/PAN of 313°Gruppo/Frecce Tricolori:

MM55053/0, MM54551/1, MM54518/2, MM54514/4  
 MM55059/5, MM55052/6, MM54510/7, MM54539/8  
 MM55054/9, MM55055/10, MM55058/11

SAR standby (east side):

5D-HH AB212 ITHSSta  
 3E-KZ SA316B VeHSSta  
 3E-LC SE3160 VeHSSta

Far side:

3E-KI, 3E-KK SE3160 VeHSSta  
 3E-KX SA316B VeHSSta  
 3C-OA, 3C-OC OH-58B MzHSSta  
 3C-OH, 3C-OI OH-58B MzHSSta  
 3G-ED, 3G-EE PC-6/B2-H2 ILuTSta  
 3H-DA, 3H-DB DA40NG Labt FlaFlz  
 3H-DD DA40NG Labt FlaFlz  
 3H-FA, 3H-FB PC-7 Labt FlaFlz  
 3H-FJ, 3H-FO PC-7 Labt FlaFlz  
 5D-HP, 5D-HR AB212 ITHSSta  
 5D-HS AB212 ITHSSta  
 6M-BA, 6M-BB S70A-42 mTHSSta  
 6M-BF S70A-42 mTHSSta  
 H24? A109BA 1w  
 0981 Mi-24V 221vrl  
 79+02, 79+14 NH90TTH THR30  
 0820 Mi-17 Vrtulnikovek  
 T-314 AS332M-1 LSt4  
 J-5017 FA-18C FIST17  
 OE-EMD PC-6/B2-H4 Red Bull  
 T7-FUN PC-7 ex A-909

PC-9M of EA/Wings of storm:

054, 057, 059, 064, 068, 069  
 C101EB of Ala79 Patrulla Aquila:  
 E.25-86/79-32/2, E.25-25/79-25/3, E.25-78/79-02/4  
 E.25-44/79-44/5, E.25-38/79-38/6, E.25-27/79-27/7  
 E.25-31/79-31/8, E.25-87/79-29

F-5E of Patrouille Suisse:

J-3081, J-3082, J-3084, J-3085, J-3087, J-3090, J-3091

L-39C of Breitling Team:

ES-YLN/1, ES-YLI/2, ES-YLX/3, ES-YLR/4, ES-TLF/5, ES-YLF/6

Museum:

(217) CM170 preserved, as 4D-YL  
 110 MiG-21bis preserved, outside  
 (76+91) SE3130 preserved, as 3D-XJ  
 (V-278) SA316B preserved, as 3E-KG  
 (35531) J35J preserved, cockpit only  
 29449/F yellow J29F preserved  
 29558/D red J29F preserved, on pole  
 08, 21 J35Ö Mk.II preserved  
 09, 14 J35Ö Mk.II preserved, outside  
 12 J35Ö Mk.II preserved, open side  
 GF-16 SAAB 105 preserved  
 2A-AM Zlin 126 preserved  
 3A-AA Yak-18 preserved  
 3A-BB G46-4B preserved  
 3A-BH L-19E preserved  
 3A-BM L-19E stored, dismantled  
 3B-HO OH-13H preserved  
 3C-JD AB206A preserved  
 3F-SO SAAB 91D preserved  
 3F-SR SAAB 91D stored, dismantled  
 3F-SW SAAB 91D preserved, outside  
 4C-AF Yak-11 preserved  
 4C-TE LT-6G preserved  
 4D-BW AB204B preserved  
 5C-YF Vampire T11 preserved  
 5S-TA SC7-3M preserved

Preserved on base

(35339) J35D preserved, as 25  
 3A-CO L-19E preserved

JASDF Misawa(Japan)

Air Show

8 September 2019

Static:

98-1210	C-2	nmk
97-3603	KC-767	404 Hikotai
34-3459, 34-3461	E-2C	601 Hikotai
13-8513, 13-8519	F-2A	3 Hikotai
63-8534	F-2A	3 Hikotai
83-8133	F-2B	3 Hikotai
37-8315	F-4EJ	301 Hikotai
57-6907	RF-4E	501 Hikotai
62-8873	F-15J	203 Hikotai
89-8710	F-35A	302 Hikotai
73483/IIATH	AH-1S	2 Taisensha Herikopotatai
81837/NEH	UH-1J	Tohoku Homen Herikopotatai
31299/IHB	OH-6D	102 Hikotai
27-4487	CH-47J	Misawa Herikoputa Kuuyutai
88-4608	UH-60J II	Koku Kyunandan
86-5610	T-4	302 Hikotai
85-3253	U-4	nmk
12-1160	YS-11FC	Hiko Tenkentai
JA8894	TBM-700	
80-0283/OS	A-10C	25th FS
163556	UC-12F	Misawa
16-5843/YJ	C-130J-30	36th AS
12-5763	MC-130J	353rd SOG
59-1459/ZZ	KC-135R	909th ARS
90-0808/WWW, 92-3894/WWW	F-16CM	13th FS
91-0357/WWW	F-16CM	13th FS "35FW"
13-0071	CV-22B	21st SOS
169137/NL-540	EA-18G	VAQ-132
169005/LC-005	P-8A	VP-8

T-4 of the Blue Impulse:

26-5692/1, 46-5731/4, 26-5690/5, 16-5666, 66-5746

Static-Hangar displays:

91-3471	E-2D	601 Hikotai
43-8525, 93-8550	F-2A	3 Hikotai
83-8112	F-2B	23 Hikotai
16-5655	T-4	Northern ADF HQ Flt
99-8713	F-35A	302 Hikotai
91-0399/WWW	F-16CM	14th FS

Flight Line:

03-8506, 13-8517	F-2A	3 Hikotai
43-8530, 13-8560	F-2A	3 Hikotai
89-8711	F-35A	302 Hikotai
79-0092/OS, 80-0245/OS	A-10C	25th FS
92-3895/WWW	F-16CM	13th FS
169142/NL-542	EA-18G	VAQ-132

MCAS Yokota (Japan)

Friendship Festival

14-15th September 2019

Static:

81-0967/OS	A-10C	25th FS
79-1946	KC-10A	60th AMW
86-0078	C-12J	459th AS
96-0109	UC-35A	AvnBn Japan
14-5807/YJ	C-130J-30	36th AS "374AW"
15-5817/YJ	C-130J-30	36th AS
12-5763	MC-130J	353rd SOG
59-1459/ZZ	KC-135R	909th ARS
82-0036/ZZ	F-15C	18th Wg
84-0025/ZZ	F-15C	18th Wg "18WG"
89-2055/WP	F-16CM	35th FS
92-3887/WWW	F-16CM	13th FS
169137/NL-540	EA-18G	VAQ-132
168400/SN-40	AH-1Z	HMLA-169
168407/SN-03	UH-1Y	HMLA-169
165244/YF-03	CH-53E	HMH-462
161996/YF-06	CH-53E	HMH-462
167025/TA-04	MH-60R	HSM-51
168439	P-8A	VP-5(NMKS)
69-6614	UH-1N	459th AS
13-0071	CV-22B	21st SOS
78-1026	C-1	402 Hikotai



Romanians An-30 1105 seen during its display at the BIAS at Bucharest. See last month's Scramble for the show report. (24 August 2019, Jonathan Verschuuren)

88-1207	C-2	403 Hikotai	338	Mi-24P	MH 86.HE
85-1086	C-130H	401 Hikotai	MM7164/51-40	AMX	51° Stormo
33-8523	F-2A	6 Hikotai	MM7194	AMX	51° Stormo \$
47-6905	RF-4E	501 Hikotai	06 blue	C-27J	Transporto Esk
12-8924	F-15J	201 Hikotai	43 blue	AS365N3+	Sraiglaspalu Esk
52930/XIIH	CH-47J	12th Heli Sqn	LX-N90443	E-3A	NAEW&CF
58-4594	UH-60J	Koku Kyunandan	J-063	F-16AM	313 Sqn
43117/XIIH	UH-60JA	12th Heli Sqn	J-642	F-16AM	313 Sqn \$
62-3024	U-125A	Koku Kyunandan	675	F-16AM	FLO
12-1160	YS-11FC	Hiko Tenkentai	691	F-16BM	FLO \$
JA3910	Beech A36		1117	M-28B 1TD	43.BLotM
JA3353	Ce172		2705	C-27J	Esc.902 Av.Tr.si Foto
N22905, N4972R	Ce172	Yokota Flying Club	711	IAR-99C	Esc.951 Av.Instr.Avans.
<u>Flying display:</u>			79	IAR330L	Esc.952 Elicoptere SOCAT
80-0245/OS	A-10C	25th FS	6807	MiG-21MF-75	Esc.861 Av.Lupta
08-3177/YJ	C-130J-30	36th AS	1962	C-27J	Dopravne kridlo
08-8604/YJ	C-130J-30	36th AS	7449	UH-60M	Vrtul'nikove kridlo
16-5838/YJ	C-130J-30	36th AS	0619	MiG-29AS	Takticke kridlo
90-0711/WP	F-16CM	80th FS	60-0041/BD	B-52H	93rd BS
13-0069	CV-22B	21th SOS	87-0027	C-5M	68th AS AFRC
69-6645	UH-1N	459th AS	62-3526	KC-135R	173rd ARS NE ANG
<u>Other noted:</u>			169243/QT-578	UH-1Y	HMLAT-303
86-0081	C-12J	459th AS	166774/QT-609	AH-1Z	HMLAT-303
99-0168	C-17A	176thWg AK ANG	<u>Flying:</u>		
15-5810/YJ	C-130J-30	36th AS	3H-FF	PC-7	Lehrabteilung
15-5813/YJ	C-130J-30	36th AS	0452	C295M	242.vlt
16-5833/YJ	C-130J-30	36th AS	0459	Enstrom 480	CLV LOM
14-0075	CV-22B	21st SOS	9242	JAS39C	211.vlt
69-6639	UH-1N	459th AS	6051, 6057, 6070	L-159A	212.vlt
N753CX	B757-2Y0C	ATI	2312	L-410UVP-E20M	242.tsl
N378AX	B767-33AER	Omni Air international	0711	Mi-2	CLV
C-130J-30 of 36th AS, coded YJ:			0828	Mil-17	CLV LOM
06-4633, 06-8610, 08-5692, 08-8605, 16-5841, 16-5843			9904	Mi-171sh	222.vrl
			3367	Mi-35	221.vrl
<u>Ostrava (Slovakia)</u>			0709, 0719	W-3A	243.vlt
Nato days		21-22 September 2019	012/F-RBAE, 033/F-RBAI	A400M	ET01.061
<u>Static:</u>			HW-341/1, HW-357/2	Hawk Mk51	HävLLv 41 \$
3H-FH	PC-7	Lehrabteilung	HW-348/3, HW-350/4	Hawk Mk51	HävLLv 41
AT19, AT25	Alpha Jet 1B+	ETO02.008	HW-321/21	Hawk Mk51	HävLLv 41
188766/YO-Q	CF188	401Sq	012	C295M	8.BLTr
0474	Enstrom 480	CLV LOM	725	IAR-99C	Esc.951
0475	L-39NG	Aero Vodochody	31	IAR330L	Esc.952 Elicoptere SOCAT
6067	L-159A	213.vlt	6824	MiG-21MF-75	Esc.861 Av.Lupta
9799	Mi-171Sh	222.vlt	J-5005, J-5006	F/A-18C	N/T
3368	Mi-35	221.vlt	ZK348/348, ZJ931/931	Typhoon FGR4	29Sq
0260	Yak-40	241.vlt	OK-UTI	SBLim-2	ex 266/Poland, as 2514
OK-BYR	Bell 412HP	Latecka Sluzba Policie	<u>PC-7 (NC) of Pilotenrekutenschule:</u>		
OK-BYG	EC135T2	Latecka Sluzba Policie	A-912, A-915, A-916, A-925, A-926, A-928, A-929, A-931, A-938, A-940		
54+16	A400M	LTG62	\$ special colours		
44+21	Tornado IDS	TLG51	<u>Credits:</u> Masanori Ogawa, Arie Hendriks, Ronny Janssen,		
82+59	EC135T2	IHAZ	Robert Reuver, Wim Sonneveld, MAR, Scramble Message		
83+11	S. Lynx Mk88A	MFG5	board		
43	JAS39D	MH 59.Sz.D. REB.			



In order to gain export orders for their ATAK T-129, TAI demonstrated their attack helicopter platform during the PAS 2019. P2 is prototype number 2. (Le Bourget, 17 June 2019, Rob Vogelaar)



No Paris Air Salon is complete without a Rafale solo display. During the 2019 edition Rafale C 129/4-GH displayed its capabilities. The unit markings in the tail belong to ETR03.004 from Saint Dizier. (17 June 2019, Rob Vogelaar)



The 109th Airlift wing, based at Stratton Air National Guard Base in Scotia, operates a number of LC-130Hs. Among them is 76-3301, showing off its eight-bladed NP2000 props on the static show of the Paris Air Salon. (Le Bourget, 17 June 2019, Rob Vogelaar)

# Triptease



Win Aviation is an Air Mobility Command approved vendor for airborne training airlift support. Herefore they use various types like Cessna Caravans, Twin Otters, Skyvans and four Sherpas. Among these four is C-23B N789WW. (Coolidge (AZ), 19 January 2019, Joost de Wit)

## Combined Trips

### Southern Arizona, USA

My annual spotting trip to the southwestern United States in November was cancelled due to health issues. Fortunately I got a new opportunity two months later. Because I wanted to avoid driving long distances and possible snow/icing conditions, I decided to abandon my initial plan which comprised of Las Vegas and northern Arizona. In stead, I went to Phoenix, a place known for its many airports in a relatively small area. Even in this dry desert region there are extended periods of cloudy conditions this time of the year, so I waited for a positive weather forecast before I booked my airline ticket. Thanks to Expedia this could be done just a few days in advance for a reasonable price of about €600 including luggage and meals.

Since I had already explored the Phoenix area in November 2017, this trip required very little preparation, whilst still offering plenty of new and interesting stuff to see. The main targets would be photographing military fighters at Luke AFB, bizjets at Scottsdale, a little bit of both at Mesa Gateway and several other bits and pieces at the various other airports. Most nights I would stay in a hotel on the south side of Phoenix, near Chandler. Because of its central location and quick access to the I-10 freeway, I could reach all airports in the Phoenix area within 75 minutes, even during rush hour.

As usual, writing down tail numbers was a secondary priority, so most logs below are not complete. Besides, all aircraft that I logged on my previous trips (November 2017 and January 2018) are omitted, unless noted at a different airport. Finally, all mm's mentioned in this article apply to a 1.5x crop camera.

On 18 January I flew with British Airways from Amsterdam via London to Phoenix-Sky Harbor. I spent the night at the Crowne Plaza near the airport, which was also included in my Expedia reservation. The next morning I went to the rental car center and picked up a Nissan Sentra from Avis. I rented a TravelTab as well, which is a small mobile device that includes a.o. a navigation system and a secure WiFi hotspot anywhere you go. This would be very helpful out in the field to check the weather, track aircraft movements on Flight-Aware, make/change last-minute hotel bookings, etc. The price for the TravelTab mentioned in my online reservation was significantly lower than the price that Avis was charging

me at the rental desk, so it took some arguing before I got the price I wanted. Then it was off to Home Depot to buy a 3-step ladder and a small step-stool and then to Target to buy some refreshments.

Coolidge (AZ)		19 January 2019
C-FKMX	AS350B3	Questral Helicopters
N1817Z	Beech 58P	Burnips Equipment
N789WW	C-23B	Win Aviation
N862MB/4	AS350B3	Med-Trans/Arizona Lifeline

Win Aviation operates both Sherpas and Skyvans (the latter were already logged on my previous visits) for skydive training at this quiet and remote airport. Based on photos I found on the web, military aircraft are occasionally using this airport for similar purposes as well, such as a German C-160 or a Mexican C-27. The red-and-blue Arizona Lifeline chopper has been based here since October last year.

Phoenix-Mesa Gateway (AZ)		19 January 2019
163631/B-231	T-45C	US Navy
167088/B-240	T-45C	US Navy
168024/YW-07	MV-22B	US Marine Corps
N129DG	Ce525B	Dutra Group
N147AZ/"223518"	DC-3C	CAF (Arizona Wing)
N202CF + N608CF	A119	Tri State Care Flight
N225AS	EMB500	JetSuite
N257JQ	ERJ145LR	Delta Connection
N508CF	A109E	Air Methods
N544AM	AS350B3	Air Methods/Native Air
N578FX	CL-350	Flexjet
N649JR	Ce510	Aphelion Management
N817BF	Ce525	Cooper Companies
N2828B	Ce750+	Berg Drywall

#### Hub traffic

Allegiant Air	A320 (3)
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For military spotters, a (weekend) visit to Mesa Gateway can be a hit or a miss. In January 2018 I logged about 30 military aircraft on a Saturday, but this year my visits resulted in only a fraction of that. Apparently the Osprey broke down as it remained parked on the apron at least until the end of the month.

On the airline side, the airport has recently become a little more interesting with new services from the Canadian carriers Swoop and Flair Air. California Pacific used to fly to the airport as well, but the company (temporarily?) ceased operations. Furthermore the main carrier Allegiant Air replaced most of their based A319s with larger A320s and Swift Air is still operating B737s for the U.S. government on a frequent basis.

Eloy (AZ) 20 January 2019  
 N223LH Beech A100 Skydive Arizona  
 N82LH DHC-6-200 Skydive Arizona

On this partly cloudy Sunday I explored the various small airports south of Phoenix. Nothing of interest was seen at Casa Grande, but at Eloy I caught another gem: a sixty-year-old Lockheed Lodestar. I logged this one on my previous visit when it was parked in a hangar for maintenance, but today it could be photographed out in the sun. The Dakota, which I caught flying on my previous visit, was now mothballed in a corner next to one of the hangars.

Marana-Pinal Airpark (AZ) 20 January 2019  
 B-2060, B-2065 B777-2J6 ex Air China  
 HC-CMO, HC-COF A319-112 ex TAME  
 N126DL B767-332 ex Delta Air Lines  
 N217RJ B747-236BF ex Air Atlanta Icelandic  
 N467CS, N495CS C212-200 Rampart Aviation  
 N497CA C212-200 Rampart Aviation  
 N594HA B767-332 ex Hawaiian Airlines  
 N600NC DHC-4 Rampart Aviation  
 N672BC ERJ190AR ex Delta Air Lines  
 N672US, N673US B747-451 ex Delta Air Lines  
 N24089 B737-242C ex Logistic Air

Without airside access, spotting conditions at this airline graveyard are far from ideal. A quick drive along the fence resulted in some tail numbers but not in any decent photo opportunities. Rampart Aviation is based here and conducts skydive training for the U.S. military.

Avra Valley-Marana Regional (AZ) 20 January 2019  
 N120SP Beech B60  
 N523MB Ce310J private  
 N985AB Beech C90B Safford Aviation Services  
 N1379G Ce340A  
 N18280 Beech 58P  
 N27563 PA-31

At the "other Marana" airport you will need airside access as well, but thanks to the friendly airport manager and FBO this was not a problem at all. Not much has changed since my previous visit in 2017. Two stored Skyhawks that I logged earlier are now parked at the main tie-down apron: 149550 (A-4C) and 147671 (A-4L). These can be photographed best in the (late) afternoon, although they could certainly use some new paint. The northwest storage corner is still cluttered with propliners, making it difficult to photograph any of them in a decent manner. There was supposed to be a skydiving exercise for the Navy Seals at this airport before and during my

trip, but the participating Navy Greyhound broke down and departed back to NAS North Island the day before my arrival. A replacement aircraft was not flown in because a Rampart Aviation C212 was going to take over its task. Unfortunately I did not see any indications of the skydiving exercise during this or my next visit the following day.

Tucson-Ryan Field (AZ) 20 January 2019  
 N310WW Ce310H  
 N765LT Ce340  
 N8449T PA-34-220T

After a scenic drive to though the Saguaro National Park (home to many distinctive large cacti) I ended up just west of Tucson. I logged a few twin props at this General Aviation airport before continuing to the International airport. According to FlightAware, Ryan Field is frequently visited by U.S. Army Lakotas from Silverbell AHP (but obviously not on this Sunday).

Tucson (AZ) 20 January 2019  
 HC-BVT B727-287 Ecuatoriana std  
 N421LA Ce421C  
 OB-1547 B727-22 Aero Peru wfu  
 VP-BGA B737-8Z0 Yakutia Air

A Ford Tri-Motor was operating sightseeing flights out of the Pima Community College apron on the west side of the field. While I generally don't care for airplanes older than WW2, this event gave me a good opportunity to photograph the stored Aero Peru B727.

Maricopa-Ak Chin Regional (AZ) 21 January 2019  
 N7441S TS601B KP Stunt Productions  
 Martin Luther King Jr. Day began cloudy, but blue skies were slowly approaching from the west. I started the day at this small airport southeast of the town of Maricopa. It is owned and operated by the Ak-Chin Indian Community. The AeroStar was parked at the small main apron. For photography, light is best in the morning, although I had to wait a while before the sun came out. Because of the public holiday, the terminal building was closed. Nevertheless I was able to open the gate next to the building with the help of the FAA A/FD guide and get airside access anyway. There is also a compound with about seventeen Huey fuselages which remained unidentified.

Gila Bend (AZ) 21 January 2019  
 56-0112, 56-0130 RF-101C USAF  
 N777FS PA-39

The small municipal airport of Gila Bend is located just east of



At the Gila Bend Helipad (AZ) Joost de Wit encountered this Air Methods and Tristate Care Flight A119 Koala N203CF. This helicopter has been flying around since 2003.



*Wheels Up is a charter company offering various membership options to fly around in business jets and bizprops. Among their fleet is this shown Cessna 750 N902UP. (Scottsdale (AZ), 23 January 2019, Joost de Wit)*

the town. Apart from the two gate guards (which are difficult to photograph in a decent manner) there is not much to see.

Gila Bend Helipad (AZ) 21 January 2019  
N203CF A119 Tri State Care Flight

On the west side of town (near the intersection of W. Pima Street and Gila Avenue) there is a helipad behind the Adelante Healthcare building where this beautiful red-and-white A119 could be photographed.

Casa Grande (AZ) 21 January 2019  
N134FA"CG021/MD-E" Beech B45  
N228QS CL-650 NetJets  
N501MT/"501" EMB-312F Valkyrie Aero

A brief visit to Casa Grande resulted in three nice aircraft. All were photographed from the airside patio just outside the terminal building, where the sun will be in your back all day.

Avra Valley-Marana Regional (AZ) 21 January 2019  
N119AB Beech 95-C55 Safford Aviation Services  
N888FG Ce550

Luke AFB (AZ) 22 January 2019  
MM7333/32-02 F-35A Italian AF  
5111, 5147 F-35A Royal Norwegian AF  
18-003, 18-004, 18-005 F-35A ROKAF  
18-002 F-35A Turkish AF  
09-5004/LF F-35A USAF  
10-5009/LF F-35A USAF  
11-5035/LF, 11-5037/LF F-35A USAF  
12-5042/LF, 12-5043/LF F-35A USAF  
12-5045/LF, 12-5050/LF F-35A USAF  
12-5055/LF F-35A USAF  
13-5065/LF, 13-5076/LF F-35A USAF  
14-5092/LF, 14-5095/LF F-35A USAF  
14-5103/LF, 14-5107/LF F-35A USAF  
15-5135/LF, 15-5161/LF F-35A USAF  
15-5164/LF, 15-5174/LF F-35A USAF  
15-5179/LF, 15-5185/LF F-35A USAF  
15-5189/LF, 15-5191/LF F-35A USAF  
83-1158/LF F-16C USAF  
84-1216/LF, 84-1284/LF F-16C USAF  
84-1294/LF, 84-1318/LF F-16C USAF  
84-1331/LF, 84-1387/LF F-16C USAF  
87-0358/LF, 90-0759/LF F-16CM USAF  
88-0163/LF, 89-2159/LF F-16DM USAF  
90-0778/LF F-16D USAF  
90-0793/LF F-16DM USAF  
93-0703/LF, 93-0704/LF F-16A USAF  
93-0708/LF, 93-0721 F-16A USAF  
93-0816/LF F-16A USAF  
93-0825/LF F-16B USAF

I spent two beautiful mornings at this busy superbase. Flying started before 8:00 AM and with most aircraft departing and arriving in groups of 2-4, there were hardly any quiet

moments. Only runway 3L-21R was in use because the other runway was closed for maintenance. In this situation Scramble AFG spot 1, on the south side of the base, was the place to be, regardless of the runway direction. There is an unpaved dirt road between the base perimeter and the farmlands that runs eastward from this spot. Near the end of this road you can stand relatively close to the taxiway (near the taxiway corner). The sun is in your back most of the day and you will need approximately 150-300 mm for the fighters (beware of heathaze though). A ladder is not necessary because you can stand on the black drain pipe that runs directly along the fence. Nearly all aircraft passed by this spot: either after landing on runway 21R or before taking off from runway 3L. To my surprise, I could conduct my hobby here the entire two mornings in peace & quiet since neither the farmer nor the base security bothered me at all.

When runway 3L is in use, it is also possible to photograph the aircraft in the approach near spot 1 of the AFG. Light is best from sunrise to mid-morning and you will need approximately 200-300 mm. I recommend choosing either a spot in the approach or along the taxiway. Frequently driving up and down the dirt road from one spot to the other and back might attract unwanted attention since the dirt road could be considered private property (although this is up for debate).

Goodyear (AZ) 22 January 2019  
AP-BNN A319-132 Shaheen Air International  
N11LX Sabre 60 Lockheed Martin  
N1839H PA-34-200T  
N414JC Ce414A private  
N581HA B767-33AER ex Hawaiian Airlines  
N587AE AS350B3 PHI Air Medical  
N590CL Falcon 900EX N-Jet/Celebrate Life  
N630TG PA-46R-350T  
N723AC B737-75C ex Xiamen Airlines  
N84CW G280 Costco Wholesale  
N962CE MD-83SF Everts Air Cargo

In the afternoon I remained in the western part of the Phoenix area. A brief visit to Buckeye airport did not result in any new aircraft. At Goodyear, things did not work out the way I hoped either. I was planning to photograph the stored airliners on the west side of the runway. However, the unpaved road along the fence was covered with green bushes that emerged from the ground due to the recent rainfall. I considered a drive along the stored aircraft in my sedan too risky; an SUV would be more suitable in this case. So I merely ended up with photographing a couple of bizjets at the main apron on the east side. The best spot is the Galaxy International parking lot, south of the Lux Air FBO (turn right at the end of Corsair Circle). The sun will be in your back for

most of the day. Especially during a NASCAR event (usually in November) a lot of bizjet traffic can be expected. Unfortunately I missed the beautiful Sabreliner as it was just being towed inside a hangar. Apparently it had arrived while I was on my way to/from Buckeye.

Scottsdale (AZ)

23 January 2019

C-FSJY	CL-605	Shaw
N65CA	Ce560 Ultra	Red Wing Aeroplane Co.
N66ZB	BAe125-800XP	American Capital Group
N90Z	Ce550	Northern Jet Management
N115LF	CL-300	Foster Friess Or Assigns
N133NM	Falcon 900EX	Regional Logistic Missions
N210PM	Ce510	Natron Wood Products
N247SS	Eclipse 500	OakRidge Homes
N270JH	CL-300	Executive Jet Management
N317TT	Lj35A	Aero Jet Services
N325PE	CL-350	Phillips Edison & Company
N325QS, N422QS	EMB505	NetJets
N347BD	Falcon 7X	Becton Dickinson
N360JE	Raytheon 4000	Talon Air/The Setai Avn
N390JV	Raytheon 390	Pinnacle Aviation
N402FB, N54FB	Beech 400A	Farm Bureau Fin. Svcs
N415HD	Raytheon 390	Jet Pros
N441MN	Ce441	
N4917A	PA-44-180	ATP Flight School
N501DB	Falcon 900C	Discount Tire
N5340G	Ce340A	
N534CC	Ce560XLS+	Kroger/Harris Teeter
N550LG	EMB550	WH Aviation Partners
N567MC	Ce560XL	Mach One Air Charters
N586AT	PC-12/47E	Avondale Toyota
N600VG	PA-46-600TP	Piper Aircraft
N603QS	Ce680A	NetJets
N604M	CL-604	McDonough
N605RT	CL-605	Landmark Avn/Ray Thurston
N612HT	Falcon 2000EX	Healthcare Trust of America
N702SJ	CL-850	MAC Air Group/Set Jet
N711SR	PC-12/47E	Roberts Resorts
N712AG	CL-605	Audax Group
N74706	R44	Universal Helicopters
N74GG	GIV-SP	ACI Jet
N74TD	Falcon 900B	Threshold Ventures
N769EB	PC-12/47	Vernon Aviation
N782BJ	CL-300	Landmark Aviation
N805JL	BAe125-800A	RDR Aviation
N806GJ	BAe125-800XP2	Critical Care Medflight
N808VS	R66	VS Helicopters
N830RR	PC-12/47E	Resolute Investments
N880WC	Ce525B	The Wolff Company
N888JS	Ce425	Aircraft Leasing of America
N899AK	Raytheon 4000	Tenacious Aviation Group
N902UP	Ce750	Gama Aviation/Wheels Up
N946JJ	PC-12/45	Better Equip. Leasing
N979AZ	Ce560XLS	JTA Consulting

I spent two other beautiful mornings at one of the busiest single-runway airports in the country. Traffic consists mainly of business aviation and flight training. With northerly winds, runway 3 was in use, which provides the best photo opportunities. I stayed at the abandoned taxiway near the runway threshold (7600 E Redfield Road) where all arriving and departing aircraft could be photographed on or just above the runway. Light is best from sunrise till late morning. The fence is relatively low, so I only used a small foldable stepstool in order to avoid unwanted attention from airport security (as I experienced during my trip in 2017).

Phoenix-Deer Valley (AZ)

23 January 2019

C-GNWM	Ce550	5th Avenue Investments
N5AF	Ce510	Cavu Charters
N7BX	Beech E55	Honeywell
N71SC	Ce208B	Westwind Aviation
N125HD	AS350B2	US Helicopters
N425WY	Ce550	skywerx Aviation
N450PH	Bell 407	PHI Air Medical
N45FG	Lj36	Jet Logistics

N553V	Lj35A	Lear 35 Partners
N576SC	Ce525A	James W. Fowler Comp.
N7441S	TS601B	KP Stunt Productions
N911CX	Beech C90	TriState CareFlight

Hub traffic

Plus AeroGuard Flight Training Center PA-44 (5)  
After Scottsdale I paid a brief visit to the other busy General Aviation airport on the north side of Phoenix. Driving along the hangars on the south side and a walk to the observation deck on top of the terminal resulted in the above aircraft. The observation deck can be reached by walking straight through the terminal building, going outside towards the main apron, turning right and then taking the stairs at the end.

Phoenix-Mesa Gateway (AZ) 23 January 2019

N24QA	Ce560 Encore+	Mid American Apartments
N59	Lj60	Federal Avn Administration
N212UT	S211	Avn Performance Solutions
N501CA	BAe125-800XP	ASI Group Ventures

Hub traffic

Plus ATP Flight School PA-44 (3)  
Traffic was very slow on this Wednesday afternoon with no sign of any military visitors. The FAA Learjet was performing calibration flights. After a couple of hours I decided to try my luck elsewhere.

Coolidge (AZ) 23 January 2019

N555EW	PC-12/45	Kent A. Lundine
N567WW	C-23C	Win Aviation

A late afternoon visit resulted in perfect light conditions on the stored C-130s and DC-7 (logged on my previous trip) and the aforementioned Arizona Lifeline helicopter. Unfortunately the DC-7 was blocked by the new Sherpa, so I was unable to photograph it the way I wanted.

Luke AFB (AZ) 24 January 2019

A35-005, A35-006	F-35A	Royal Australian AF
A35-007, A35-008	F-35A	Royal Australian AF
18-002, 18-006	F-35A	ROKAF
18-0001	F-35A	Turkish AF
10-5010/LF, 11-5038/LF	F-35A	USAF
11-5039/LF, 15-5169/LF	F-35A	USAF
15-5182/LF, 15-5193/LF	F-35A	USAF
61-0277	KC-135R	USAF
84-1308/LF	F-16C	USAF
84-1327/LF	F-16D	USAF
85-1439/LF	F-16C	USAF
93-0707/LF, 93-0722/LF	F-16A	USAF
93-0817/LF	F-16A	USAF

Goodyear (AZ) 24 January 2019

N615WA	PA-46-500TP	Meridian Partnership
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Glendale (AZ) 24 January 2019

N12LA	Beech E90	Central Virginia Aviation
N208BH	Lj60	Cirrus Aviation Service
N36TG	Beech C90	Delta Investment Group
N450MM	Ce560	Evolution Vertical
N4904P/"149069"	PA-23-250	
N52PD	Enstrom F-28F	Airwest Helicopters
N754TW	Beech C90	Air Dreams
N889CA	Lj45	MD45 Transport
N901CR	Ce560XL	CXLO Enterprises
N8502V	PA-34-200	Angel Aviation

Not much was going on at Goodyear, so I spent the remainder of the afternoon at the General Aviation airport of Glendale. All bizjets were parked on the apron between the Glendale Aero Services FBO building and the main terminal building. The sun will be in your back during the (late) afternoon.

Scottsdale (AZ) 25 January 2019

C-FASV	EMB545	Airsprint
C-FASW	Ce525A	Airsprint
C-GPPI	Global 5000	Skyservice Business Avn
N1AZ	GIV-SP	Delta Private Jets
N1CC	GIV-SP	Executive Jet Management
N9CN	Ce560 Encore	Jet Linx



By the time this Scramble reaches you this F/A-18A++ legacy Hornet is residing among many other Hornets at the AMARG. Joost de Wit encountered 162442/VW-01 on 25 January 2019 at Phoenix-Mesa Gateway still rocking the VFMA-314 Black Knights CAG colours. Since mid-June the unit is transiting towards the F-35C.

N23FR	CL-350	Flying Fox
N60SB	CL-300	Silicone Specialties
N86NP	CL-605	Nationwide
N100RC	Ce525C	Rydell
N114SN	IAI1125SPX	Smith & Howard
N177CN	Beech B200	Retinal Consultants of AZ
N196JH	Ce525B	Pinnacle Aviation
N200FT	Ce525A	Shufeldt Consulting
N219MA	MU-2B-40	JMC Air
N365AV, N611AV	CL-350	Pinnacle Aviation
N372FX	EMB505	Flight Options
N427QS	EMB505	NetJets
N441LT	Ce441	Gemini Air Group
N458WB	Raytheon 4000	Air Rights Aviation
N529FX	CL-300	Flexjet
N530DL	IAI1124	Leprino Aviation Co.
N552HV	Ce560 Encore	Lonestar Aviation
N556QS	Ce560XLS	NetJets
N567QS	Ce680A	NetJets
N581FX	CL-350	Flexjet
N600HR	Ce525	Sawyer Aviation
N636SD	EMB500	Baldwin & Baldwin
N781MM	EMB550	MGM Resorts International
N823SB	RC690A	San Bernardino County Sheriff
N825SA	CL-605	Rural Media Group
N844GT	PC-12/47E	Groendyke Transport
N844UP	Falcon 2000LXS	Union Pacific
N906CM	Falcon 900	Martin Aerospace
N914QS	Ce750	NetJets
N965M	PA-46-500TP	965M

Phoenix-Mesa Gateway (AZ)	25 January 2019	
162442/VW-01	F/A-18A++	US Marine Corps
163991/VW-22, 164043/VW-23	F/A-18D	US Marine Corps
N163M	Ce525C	J.I. Mark
N203CF, N604CF	A119	Tri State Care Flight
N249NV, N250NV	A320-214	Allegiant Air
N286SJ	ERJ145XR	Intel Air Shuttle Aircraft
N313XA	B737-484	Swift Air
N317NV	A319-111	Allegiant Air
N365LP	Lj45XR	Pinnacle Aviation
N447DB	Beech C90B	Guardian Flight
N508UP	Ce560XLS	Gama Aviation
N621QS	Ce680A	NetJets
N689ND, N785ND	PA-44-180	University of North Dakota
N75EB	Ce560XL	Robert Weed
N835AT	PA-44-180	ATP Flight School
N991NP	Ce525B	Northland Products
XA-UPZ	Ce525A	Aerotaxis Alfe

The VMFA-314 aircraft made a fuel stop on their way from

MCAS Miramar to Texas (and perhaps beyond).

Scottsdale (AZ)	26 January 2019	
C-FHRL	CL-605	Jetport/Fox Harbour
N7MR	Falcon 7X	SCB Falcon
N358P	Lj60XR	MAC Air Group
N525CD	Ce525	Sawyer Aviation
N601FM	Ce680A	Sprouts Farmers Market
N672SC	Lj40	Seneca Companies
N794SD	Beech C90GTx	Syracuse Diary
N800BD	CL-300	Discount Tire
N9943R	EMB505	Oskar Blues

Starting at sunrise, I spent about 1.5 hrs along the runway, but bizjet traffic was considerably less than on weekdays.

Phoenix-Deer Valley (AZ)	26 January 2019	
C-GFVG	Beech B60	
N117VK	PC-24	Falcon Aircraft Leasing
N216TM	Ce525B	Colorado Jets
N292ME	Lj35A	ASI
N323EZ	Ce525	JDP Equipment Rental
N525AC	Lj36A	AirCare1 International
N566GL	PC-12/47E	Western Aircraft
N700VM	TBM-700A	Eden Partners
N790CA	TBM-700C2	EDM Serv. Aircr. Leasing
N795JK	Ce550	5 Star Aviation

I paid another brief visit to the observation deck to log and photograph a few new bizzers.

Hidden Valley (AZ)	26 January 2019	
N750SD	PAC750XL	Skydive Milwaukee

Besides the well-know Skydive Arizona (at Eloy), I found out that there is another skydiving organization called Skydive Phoenix. On this Saturday I went to their home base, a small airport between Maricopa and Gila Bend south of SR-238. The PAC750XL with Skydive Milwaukee titles was conducting para drops, but photo opportunities were not ideal. According to their Facebook-page, Skydive Phoenix occasionally uses a Cessna Caravan as well.

Little did I know that less than a mile to the east, there is another small airport (Millar Airport) with several warbirds or preserved aircraft from the Vietnam War. Perhaps one for a next time...

Phoenix-Mesa Gateway (AZ)	26 January 2019	
C-FBVS	B737-8K5	Flair Air
N23ND	Beech C90GTi	University of North Dakota
N252NV, N260NV	A320-214	Allegiant Air
N686AT, N3117L	PA-44-180	ATP Flight School
N314BB	CeT310R	

N700WY	BAe125-900XP	Business Aviators
N787JS	Ce750	Executive Jet Management
N78900/"4077"	Bell 47D-1	
N909BK	EMB505	Beemok
N9943R	EMB505	Oskar Blues

A Saturday afternoon with zero military visitors... Fortunately the civil traffic was not too bad with a few departing bizjets and a Smartwings/Flair Air hybrid.

Tucson (AZ) 27 January 2019

N121FE	B767-352FER	FedEx
N1285Z	Beech 95-55	NextGen Flight Academy
N576QS	Ce560XLS	NetJets
N936AF	Ce421C	Davis Kitchens
XB-MLX	Ce414A	
XB-RJA	Ce340A	

With pretty much all airports in the Phoenix area ticked off and a partly cloudy to mostly cloudy weather forecast for the remaining period, I decided to spend the final days of my trip in the Tucson area. On this Sunday I made a scenic road trip to several small airports in the area between Tucson and the Mexican border. First of all I briefly visited the graveyards at Davis-Monthan (nothing new was logged), Tucson International and Ryan Field (nothing was logged here either). Then I took the I-19 highway southbound towards the border town of Nogales.

Nogales (AZ) 27 January 2019

N11TJ	Ce310R	
N51B	Beech 400A	Sky Quest
N2958U	PA-34-200T	
N41960	PA-34-200	Tiffin Aviation Services

Nogales airport is located northeast of the town along SR-82. The aprons and hangars are located on the northwest side of the runway. The many intimidating warning signs and patrolling CBP vehicles made me feel a little uncomfortable, but the folks at the Tiffin Aviation Services FBO were very friendly and allowed me airside access. Besides the usual general aviation traffic, the airport is frequently used by military and border patrol helicopters. Ameriflight is operating cargo flights from Phoenix with various aircraft types including their relatively rare Embraer 120. Flight schedules may vary, so it is best to check FlightAware.

Fort Huachuca-Sierra Vista (AZ) 27 January 2019

N257AS	EMB120ERF	Ameriflight
N932DM	EMB505	Tobin James Cellars

Just like last year there wasn't too much to see at this airport, so I quickly continued my trip eastward.

Douglas-Cochise College (AZ) 27 January 2019

N4815B	Ce310	Cochise College
N9430	Beech 95-B55	Cochise College

Near the small border towns of Bisbee and Douglas there are no less than four airports: Bisbee Municipal, Douglas-Cochise College, Douglas Municipal and Bisbee-Douglas International. Except at Cochise College there was nothing to log at any of them on this Sunday afternoon. The Cessna 310 is preserved near the main gate. Due to their remote location and limited amount of traffic, I wouldn't consider any of them worth a second visit.

St. David (AZ) 27 January 2019

N519MT/1	Bell 407	Med-Trans/Arizona Lifeline
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On my way back to Tucson I noticed this helicopter along the road SR-80, just south of the town of St. David at the intersection with E 1st Avenue. I returned the next day to photograph it in better light conditions. After some research on the internet I found out that there is an exact copy of this helicopter (except for the tail number of course) based at Douglas Municipal airport.

Benson (AZ) 27 January 2019

N388SP	Ce340	
N409JB	TS600	Penstar Partners

Around sunset I arrived at the airport of Benson. The stored

Dakota hasn't moved an inch compared to my visit last year.

Safford (AZ) 28 January 2019

N9QY	RC500S	Amelia Air
N920RC	Ce404	South Aero
N1165Z	RC500B	Ponderosa Aviation

On Monday morning the weather looked fine, so I decided to drive to Safford and photograph some bizprops. South Aero Inc. apparently took over Ameriflight's cargo service from Phoenix as the latter phased out their PA-31s.

After a quick look at the local hospital (no helicopter present) I drove to Willcox-Cochise County airport where I found an empty apron. According to FlightAware, a bizjet/bizprop visitor is not uncommon here and with its close proximity to the I-10 freeway (take exit 336 and turn north), it could be worth a brief detour. Light is probably best in the morning.

Tucson (AZ) 28 January 2019

1608, 1633	F-16C	Iraqi AF
J-004/AZ	F-16AM	Royal Netherlands AF
99-02055	AH-64D	Singapore AF
83-1174/AZ	F-16D	USAF
86-0214/AZ, 86-0256/AZ	F-16C	USAF
86-0285/AZ, 87-0299/AZ	F-16C	USAF
87-0317/AZ	F-16C	USAF
88-0447/AZ, 89-2012/AZ	F-16CM	USAF
89-2123/AZ, 90-0720/AZ	F-16CM	USAF
N25TN	RC695	Truly Nolen Pest Control
N54JC	CL-604	Jim Click
N63DB	Ce414A	Delta Properties
N110SY	ERJ175LR	United Express
N182SY	ERJ175LR	Alaska Skywest
N301NB	A319-114	Delta Air Lines
N429QX	DHC-8-400	Alaska Horizon
N441WN, N7823A	B737-7CT	Southwest Airlines
N495UA	A320-232	United Airlines
N744SK	CRJ701ER	American Eagle
N806UA	A319-131	United Airlines
N875CA	Lj60	Corwin Automotive Group
N926DH	MD-90-30	Delta Air Lines
N954AN, N965AN	B737-823	American Airlines
N987ST	Beech 350i	
XA-UCT	B737-322	Magni Charters

I spent the afternoon at spot 8 of the Scramble AFG. The sun was shining right until the Iraqi F-16s returned for landing... On the remaining three days the sun would only appear for some brief moments as it was mostly covered by thick high clouds.

Tucson (AZ) 29 January 2019

1622, 1636	F-16C	Iraqi AF
73-1584/DM	EC-130H	USAF
82-0056	C-130H	USAF
86-0241/AT	F-16C	USAF
N189SY	ERJ175LR	Alaska Skywest
N302NB	A319-114	Delta Air Lines
N31RM	TBM-900	
N420WN, N474WN	B737-7H4	Southwest Airlines
N479UA	A320-233	United Airlines
N505R	CL-650	Raytheon
N566SW	EMB120ER	Ameriflight
N707GB	Ce310R	
N726XJ, N793XJ	Ce750	XOJet
N732SK	CRJ701ER	American Eagle
N752SK	CRJ701ER	SkyWest Airlines
N764JR	Sh360-300	Air Cargo Carriers
N7856A	B737-7Q8	Southwest Airlines
N810NN	B737-823	American Airlines
N888HH	G450	Executive Jet Management
N895UA	A319-132	United Airlines
N952DN	MD-90-30	Delta Air Lines

The C-130s were performing several low approaches in the afternoon.

Tucson (AZ) 30 January 2019

C-FVMW	Falcon 2000LX	Blackcomb Aviation
N139FE	B767-300F	FedEx

N304QS	EMB-505	NetJets
N321SM	Ce525B	Alante Air Charter
N89WA	BAe125-800XP2	Pinnacle Aviation
N934SW	CRJ200LR	United Express
Chandler (AZ)		30 January 2019
N2TC	R66	Gust Rosenfeld
N388MJ	R22	
N54TF	R44	
N442HH	R44	
N443BB	EMB505	Head Inc.
N464HP	PA-46-500TP	Orion Integration Group
N523KC	R22	
N690AR	RC690A	Ponderosa Aviation
TI-BAR	R44	

**Hub traffic**

Quantum Helicopters R22 (13), R44(1), R66 (1)

On Wednesday morning I drove back towards Phoenix. Around lunchtime I visited Chandler airport. Airside access to the northern tie-down apron was denied due to ongoing construction works, which resulted in too much taxiing traffic. So then I went to the facilities of Quantum Helicopters located at the northeast corner of the field. Besides flight training the company also offers Robinson maintenance to other customers. I was permitted to photograph the flight training activities from the edge of the apron and meanwhile I took the opportunity to write down all the tail numbers inside the hangar. Photography from outside the fence is possible as well as long as you bring a ladder. The sun will be in your back from noon onwards.

Phoenix-Mesa Gateway (AZ)		30 January 2019
167108/QB	KC-130J	USMC
N47LM	Ce525B	Alante Air Charter
N61DT	Eclipse 500	Nat'l American University
N428QS	EMB-505	NetJets
N525CW	Ce525B	Hotel Alpha
N808LF	AS350B3	Air Methods/Life Net
N820UP	Beech 350i	Gama Aviation
N910SS	Ce525C	Badlands Aviation

Phoenix-Sky Harbor (AZ)		31 January 2019
G-CIVJ	B747-436	British Airways
N10SL	Global 5000	Skechers
N24ZD	IAI1125SPX	N-Jet
N153AE	AS350B3	PHI Air Medical
N157UW	A321-211	American Airlines
N175RD	Ce525B	Galtstream
N242CK	CL-601-3R	Kalitta Charters
N249TG	Ce208	Halden Transportation
N329CH	CL-300	MedImpact
N339NW	A320-211	Delta Air Lines
N341P, N384P	AS350B3	PHI Air Medical
N354DN, N365DN	A321-211	Delta Air Lines
N422UA	A320-211	United Airlines
N428PH	Bell 407	PHI Air Medical
N5254C	Ce525C	Midwest Jet Charter
N571PC	PC-12/45	Aerolynx
N686TW	Ce680A	Schubach Aviation
N709BR	CRJ200ER	SkyWest Airlines
N714AX	B767-223F	ATI Air Transport Int'l
N744SK, N755SK	CRJ701ER	American Eagle
N750WS	Ce750	Gateway Aviation
N767SK	CRJ701ER	SkyWest Airlines
N783NG	PC-12/47E	Cutter Flight Management
N797QS	CL-350	NetJets
N819AP	G200	Sky Partners
N855MW	BAe125-800SP	NXT Jet
N8564Z	B737-800	Southwest Airlines
N873NN, N896NN	B737-823	American Airlines
N938LR	CRJ900ER	American Eagle
N991AL	Lj35A	Reva
N7705A	B737-76N	Southwest Airlines
N36987	Beech B200	Pasquinelli Produce
PH-HXC	B737-8K2	Sun Country
XA-DLA	CL-300	Apoyo Logistico Aereo

I spent the final morning in the approach of runway 8 and

near the General Aviation apron on the south side. The Dutch registered Boeing 737 was during this period leased from Transavia by Sun Country.

Phoenix-Deer Valley (AZ)		31 January 2019
N58AH	S-58ET	
N73DP	Bell 206B-3	
N106KH	Beech 400A	Landmark Aviation
N1129G	Ce208B	Westwind Aviation
N207NX	PC-12/47E	Isaiah Aviation
N340DF	Ce340	
N359FB	AS350B3	Phoenix Police
N400CP	Ce560XLS	Jet Linx
N404BF	PC-12/45	Leading Edge Av.
N4391E	PA-46-310P	
N4917A	PA-44-180	ATP Flight School
N507BE	Beech 200	MP Leasing
N626MT	PC-12/47	Retamco
N640MY	PC-12/45	M&T Investments
N804TB	BAe125-800XP	Private Jets
N975QS	Ce750	NetJets
N977MS	Bell 407	Maricopa County Sheriff
N4282	AS350B3	Air Methods/Native Air

**Hub traffic**

AeroGuard Flight Training Center (f.k.a. TransPac) PA-44 (3)

This spotting trip was concluded with a few hours of relaxing at the observation deck of Deer Valley. Traffic seemed even busier than on my previous (short) visits, so it could be worthwhile to spend an entire day here on a future trip.

In the afternoon I returned the rental car at Sky Harbor. Once again I had to argue with Avis over the price of the aforementioned TravelTab. Fortunately I had plenty of spare time before my flight, so I was able to settle this before I left the rental car center. Paying close attention when picking up and returning the rental car saved me quite some money.

Although the cloudy weather spoiled the last few days of the trip, I was all in all very satisfied with the end result. Despite the fact that this was my third trip to the same area in less than 1.5 years, I still returned home with many new photos. A huge variety of airports and aircraft combined with lots of sunshine makes southern Arizona one of the premier spotting locations in the United States.

Credit: Joost de Wit

**Colombia trip 2019**

*Editors note: Also the F-AIR show was visited during the travel. Please see the Showreport section for the movements during the F-AIR show.*

Madrid Barajas		7 July 2019
CS-DGR	Ce650	Air Jet Sul n/t
CS-LTG	Ce680A	NetJets n/t
D-ALEQ	B757-2Q8F	European Air Transport
EC-JBE	EMB-120ER	Swift Air
EC-MTY	A330-223	Envelop Airlines
EC-NBO	A350-941	Envelop Airlines
EI-FJK	B737-8JP	Norwegian Air International
EI-STJ	B737-490(F)	ASL Airlines Ireland
G-EZBI, G-EZIV	A319-111	easyJet
HZ-ARG	B787-9	Saudi Arabian Airlines
LN-LNK	B787-9	Norwegian Air Shuttle
N223UA, N2332U	B777-222ER	United Airlines
SU-GED	B737-866	Egyptair
SX-DHN	A321-231	Aegean Airlines
T7-AAZ	Global 5000	Armar Capital n/t
TC-JVB	B737-8F2	THY Turkish Airlines
TC-NBP	A320-251N	Pegasus Airlines
VQ-BTU	A321-211	Aeroflot
XA-ADG	B787-9	AeroMexico
YU-API	A319-132	Air Serbia

**Hub traffic**

Air Nostrum ATR-72 (1), A330 (6), B737 (1), B787 (4)  
Iberia A321 (1), A330 (1)

Ryanair B737 (7)  
 After two years not visiting Colombia, I was delighted to go again to my second home country. The travel started with a B787 of Air Europa that transported me from Amsterdam to Madrid. In Madrid I had just an hour to change aircraft. However, they were waiting for a passenger from Barcelona and kept everyone for more than one and a half hours in a hot airplane. With a delay another B787 of Air Europa brought me to Bogotá. My family in law was waiting for me, and after a long travel by car, I arrived on my place for the next days.  
 Melgar 9 July 2019

**Maintenance tent left**

FAC4603/03G	TH-67A	EHFAA
5x	TH-67A	EHFAA

**Maintenance tent right**

FAC4618/18E	TH-67A	EHFAA
2x	TH-67A	EHFAA

**Left shed**

FAC4578/29B	TH-67A	ex EHFAA	wreck
FAC4579/31A	TH-67A	EHFAA	
FAC4581/40E	TH-67A	EHFAA	
FAC4614/14B	TH-67A	EHFAA	

**Right shed**

FAC4568/59C	TH-67A	EHFAA
FAC4574/65D	TH-67A	EHFAA
FAC4584/63B	TH-67A	EHFAA
FAC4589/05J	TH-67A	EHFAA
FAC4625/25D	TH-67A	EHFAA

**Hangar 1**

FAC4590/06F	TH-67A	EHFAA
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**In front of hangar 1**

FAC4242	MD500E	preserved
FAC4570/76E	TH-67A	EHFAA
"FAC447"	Bell 206B-3	preserved

**Small hangar left**

FAC4472	Bell 206B-3	EHFAA
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**Platform**

FAC4002	Bell 212 Rapaz	ESCOM 411	
FAC4004	Bell 212 Rapaz	ESCOM 313	
FAC4470, FAC4471	Bell 206B-3	EHFAA	
FAC4477, FAC4479	Bell 206B-3	EHFAA	
FAC4571/98B	TH-67A	EHFAA	
FAC4572/14J	TH-67A	EHFAA	
FAC4575/88G	TH-67A	EHFAA	
FAC4576/22A	TH-67A	EHFAA	
FAC4580/35A	TH-67A	ex EHFAA	stored

FAC4588/89C	TH-67A	EHFAA
FAC4591/09M	TH-67A	EHFAA
FAC4592/73I	TH-67A	EHFAA
FAC4593/74H	TH-67A	EHFAA
FAC4598/70A	TH-67A	EHFAA
FAC4600/58C	TH-67A	EHFAA
FAC4608/48F	TH-67A	EHFAA
FAC4613/88C	TH-67A	EHFAA
FAC4616/75C	TH-67A	EHFAA
FAC4617/43C	TH-67A	EHFAA
FAC4620/73B	TH-67A	EHFAA
FAC4621/57C	TH-67A	EHFAA
FAC4622/91D	TH-67A	EHFAA

**Dispersal area north side**

FAC4583/57A	TH-67A	EHFAA
FAC4624	TH-67A	EHFAA
FAC4606/38E	TH-67A	EHFAA

**Flying**

FAC4619/19D	TH-67A	EHFAA
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Today, I had not any plans for spotting. However, my family in law invited me to have Lechona in El Espinal. In this place you can find the best recipe of this dish. I found out that El Espinal is in the vicinity of Melgar Air Base. From the National route we made a short stop to spot helicopters at Melgar, after we finished spotting we enjoyed the Lechona with a good glass of Chicha.

Bogotá-El Dorado

10 July 2010

FAC1190/HK-5104	ATR-42-500	Satena
EC-MTU	A330-333	Wamos Air
ET-ARJ	B777-F60	Ethiopian Airlines Cargo
HK-4262, HK-4562	B727-2F9F	LAS
HK-4861, HK-5278	A320-214	Viva Air
HK-5239	B727-223F	AeroSucre
HK-5282, HK-5321-X	ATR-42-600	EasyFly
HK-5308, HK-5319-X	A320-214	Viva Air
HK-5320	A320-214	Viva Air
HP-1378CMP	B737-7V3	Wingo
HP-1569CMP	ERJ190-100AR	Copa Airlines
N420LA	B767-316FER	MAS Air
PR-ABB	B767-316FER	ABSA
XA-ACO	A320-214	Interjet

**Hub traffic**

Avianca	ATR-72 (1), A318 (2), A319 (3), A320 (18), A321 (8), B787 (1)
LATAM Colombia	A319 (3), A320 (7)

**CATAM (Air Force)**

FAC0001	B737-74V	GRUVE 82
FAC0006	Bell 412EP	GRUVE 82



Backbone of the transport fleet is the C-130 Hercules. Operating with ESCTA 811, among C-130B/H, CASA 295M and KC-767. FAC1005 is a C-130H and also wears the 100 years markings in the tail. (Medellin-Rionegro, 12 July 2019, Raymond van Dijkhuizen)

FAC1008	C-130B		std
FAC1041	F28-3000C	ESCVE 821	
FAC1203	B727		der

Around 18:00 hours the flight with all the 4Aviation people arrived. After that we met each other at the international arrival, before we checked in for the Avianca flight to Rio Negro. Directly after arrival in Rio Negro we got to a good hotel, where we stayed for the next three nights.

Rio Negro 10 July 2010

CC-CPL	A319-132	LATAM Colombia
N589EL, N591EL	A318-111	Avianca
N723AV	A319-115	Avianca
N744AV, N747AV	A321-211	Avianca
N805AV	A321-231	Avianca

#### Hub traffic

Viva Air A320 (2)

Bogotá-El Dorado 13 July 2019

CC-BBF	B787-8	LATAM
HK-5275	A320-214	Viva Air
N8001N	A319-115	American Airlines

#### Hub traffic

Avianca A318 (1), A320 (3)  
LATAM Colombia A320 (3)

14 July was a very quiet day, with only a visit planned at the Colombian Air Force museum. Before we visited the museum, we stopped first for some wreck and relics in Bogotá. After the museum some people visit the Parque Jaime Duque for a Dakota and Skymaster. We found out that the Air Force museum was missing some airplanes, these must now be in the new Museo Militar. This new museum is located just behind the Air Force museum. The rest of the day was spend at the international airport Bogotá-El Dorado.

Bogotá-Parque Salitre 14 July 2019

HK-3480 B727-2H3 preserved, Avianca c/s  
This B727 can be find in a Theme park and is painted in the latest colour scheme of Avianca.

#### Bogotá-Círculo de Suboficiales Fuerzas Militares 14 July 2019

FAC5061 Galiván 358M preserved

This Galiván is visible from Carrera 54C. It is parked in the middle of this military complex.

Bogotá-Collegio de la Salle 14 July 2019

(N75T) C-47A-15 preserved

The Dakota is preserved here for a long time, and is in use as a classroom. You can see it from road Calle 170 in the north of Bogotá.

Briceno-Museo Aeroespacial 14 July 2019

#### Preserved

FAC108	DHC-2	ex FAC
FAC206	Bell 47G-2	ex FAC
FAC220	UH-12B	ex FAC
FAC318	T-34B	ex FAC
FAC407	Junkers W34hi	ex FAC
FAC625	Ju-52-3/mde	ex FAC
FAC654	Howard 400	ex FAC
FAC667	C-47A	ex FAC
FAC690	DC-4-1009	ex FAC
"FAC772"	AT-6D-NT	ex FAC
FAC861	P-47D-40	ex FAC
FAC902	AT-11	ex FAC
FAC1010	C-130B	ex FAC
FAC1201	KC-137	ex FAC
FAC1240	C-26B	ex FAC
FAC2008	T-33A	ex FAC
FAC2023	Sabre 6	ex FAC
FAC2061	F-80C	ex FAC
FAC2164	OA-37B	ex FAC
FAC2112	T-37B	ex FAC
FAC2223	OV-10A	ex FAC
FAC2425	T-41D(F)	ex FAC
FAC2519	B-26C	ex FAC
FAC3027	Mirage 5COA	ex FAC

FAC4251	MD500E	ex FAC
FAC4272	UH-1B	ex FAC
FAC5062	Galiván 358M	ex FAC

The museum that was before located at the airport of Bogotá has relocated to this site. They have a very nice collection of aircraft, unfortunately all are still parked outside. The museum will build in the upcoming four years a building to put a part of the collection inside. Our group was told that they will grow to a collection of seventy aircraft.

Briceno-Museo Militar 14 July 2019

FAC204 Bell 47 preserved

Just a little more up on the road, you find the new Museo Militar and the naval museum which is still under construction. For the future the idea is that all military museums will integrate in one big museum park. The only aircraft you can find now in the Museo Militar is the Bell 47 that was before in the Museum in the city centre of Bogotá.

Briceno-Parque Jaime Duque 14 July 2019

HK-136 C-54A preserved

Near the Museo Aeroespacial on the opposite side of the road, you can find the Theme park Jaime Duque. In this park is a DC-4 in use as a weather vane and a Dakota. The DC-4 is the only one that is visible from the outside.

Bogotá-Centro Social de Agentes 14 July 2019

"PNC-023" PA-31-310 preserved

Before this Piper was visible from Carrera 68. Now it is visible from Carrera 69 near the gate of this complex. The serial changed during the relocation from PNC-020 to PNC-023 and the real ID is still unknown. The only thing that is known from this aircraft, is that the Piper was captured full of drugs a long time ago.

Bogotá-El Dorado 14 July 2019

EC-JLE	A340-642	Iberia	
EC-MTU	A330-223	Wamos	
HC-CSA	A319-115	Avianca Ecuador	
HK-3936	Beech 200		n/t
HK-4818, HK-5142	A320-214	Viva Air	
HK-4973	EMB-120	Sarpa	
HK-5002	Beech C90A	Medicalfly	n/t
HK-5201	RC690A		n/t
HK-5223, HK-5276	A320-214	Viva Air	
HK-5236	ATR-42-600	EasyFly	
HP-1556CMP	ERJ190AR	Copa Airlines	
N377AR	B737-86J	AeroMexico	
N568TA	A321-231	Avianca Peru	
N690SE	RC690B-GR	Skyline Enterprise	n/t
N777YY	Lj60	Aerotruss Serv. Comp.	n/t
N12754	B737-7V3	United Airlines	
XA-PGA	A320-251N	InterJet	
YV2629	CeS550		n/t

#### Hub traffic

Avianca ATR72 (1), A318 (2), A319 (3), A320 (12), A321 (3), A330 (1), B787 (2)  
LATAM A319 (3), A320 (5)  
Satena ATR-42 (2), ERJ145 (1), ERJ170 (1)

#### CATAM

FAC1001	C-130B	ESCTA 811	
FAC1005	C-130H	ESCTA 811	
FAC1008	C-130B		std
FAC1041	F-28-3000C	ESCVE 821	
FAC1204	B727-2X3F	ESCTA 811	
FAC1284	C295M	ESCTA 811	
FAC5078	Beech 350C	ESCTA 811	
01-0191	C-17A	436th AW/3rd AS	
N567CA	B757-223	National Airlines	

#### PNC area

PNC-0245 ATR-42-300 ARAVI

#### AerCaribe compound

HK-4832	An-32B	AerCaribe
HK-5026	B737-230AF	AerCaribe
HK-5139	B737-476SF	AerCaribe

HK-5192	B737-2X6CA	AerCaribe		
HK-5197	B737-476SF	AerCaribe		
HK-5228	B737-4B6SF	AerCaribe		
<b>CIAC platform</b>				
N627AC	B737-430	Gran Col. de Aviación		
<b>Cargo North (LAS compound)</b>				
HK-4261	B727-251AF	LAS Cargo		
HK-4401	B727-2X3F	LAS Cargo		
<b>Cargo South</b>				
HK-5293	B727-223F	AeroSucre		
N540LA	B767-316ERF	LATAM Cargo Colombia		
<b>Stored maintenance area</b>				
HK-4502	BAe4100		std	
HK-4765	BAe4100		std	
<b>Stored storage area south-east</b>				
HK-2404	Viscount		std	
HK-3441, HK-4403	RC690		std	
HK-4868X	BAe4100		std	
(FAC5600)	RC695A	stored		<b>96044</b>
Madrid				15 July 2019
<b>Instituto Militar Aeronautico gate</b>				
FAC720	AT-6D-NT	preserved		
FAC2010	T-33A	preserved		
<b>Entrance Air Base</b>				
FAC235	UH-12	preserved		
FAC2020	T-33A	preserved		
<b>Entrance to active area</b>				
FAC670	C-47	pres. as "FAC1693"		
<b>Platform</b>				
FAC1004	C-130H	maintenance		
FAC1686	AC-47T	maintenance		
FAC5068	Ce208B	maintenance		
<b>Big hangar (C-130 maintenance)</b>				
FAC1015	C-130H-1	maintenance		
<b>CIAC Hangar</b>				
FAC2263	AT-27	maintenance		
FAC2450	T-90C	stored, in parts		
FAC2465	T-90D	CIAC		
...	Blanik			
<b>Helicopter maintenance hangar</b>				
FAC0004	Bell 412	maintenance		
FAC4415	UH-1H-II	maintenance		<b>9499</b>
FAC4427	UH-1H-II	maintenance		
<b>CASA hangar</b>				
FAC1250	C212-300	maintenance		
FAC1258	C212M-300	maintenance		
<b>Dump north side</b>				
(FAC619)	OA-10A			
FAC4289	Bell 205A-1			
FAC4415	UH-1B			
(FAC5579)	C-45H			

Today we planned to visit Villavicencio. Due to some landslides the road from Bogotá to Villavicencio is closed for several months. As an alternative we visited Madrid Air Base. At this base, maintenance to a multitude of aircraft types is performed. Unfortunately some bureaucratic hassle in gaining permission to visit the site, resulted in a big loss of time. After our great visit we got back to the hotel. Some were visiting Bogotá-El Dorado again.

Bogotá-El Dorado 15 July 2019

HK-4634	Beech 1900D	TAC		
HK-4818, HK-5275	A320-214	Viva Air		
HK-5293, HK-5294	ATR-72-212A	EasyFly		
N568TA	A321-231	Avianca Peru		
YV3012	B737-401	Avior Airlines		

<b>Hub traffic</b>				
Avianca	A318 (3), A320 (10), A321 (2), B787 (2)			
LATAM	A319 (2), A320 (4)			

Satena	ATR-42 (1), ERJ145 (1)		
<b>CATAM</b>			
FAC0002	F-28-1000	GRUVE 82	
FAC1001	C-130B	ESCTA 811	
FAC1284	C295M	ESCTA 811	

<b>Cargo North (LAS Cargo area)</b>			
HK-5312-X	B737-33VF	LAS Cargo	

<b>Cargo South</b>			
HK-5216	B727-227F	AeroSucre	
HK-5239	B727-223F	AeroSucre	
N538LA	B767-316ERF	LATAM Cargo	

Guaymaral 16 July 2019

<b>Policia Nacional</b>			
"PNC-0137"	UH-1H-II	pres, nr entrance	

<b>Hangar 1</b>			
PNC-0104	H369D	ARAVI	
PNC-0232	PA-31-325	ARAVI	
PNC-0921	Bell 206L-3	ARAVI	<b>51159</b>
PNC-0925	Bell 407	ARAVI	<b>53995</b>
PNC-0926	Bell 407	ARAVI	<b>54136</b>
PNC-3019	Ce208B	ARAVI	<b>208B-0163</b>

<b>Hangar 2</b>			
PNC-0604	UH-60L	ARAVI	<b>70-2513</b>
PNC-0607	UH-60L	ARAVI	
PNC-0609	UH-60L	ARAVI	<b>70-3902</b>
PNC-0616	UH-60A	ARAVI	<b>70-265</b>
PNC-0617	UH-60A	ARAVI	<b>70-808</b>
PNC-0619	UH-60A	ARAVI	<b>70-286</b>
PNC-0620	UH-60A	ARAVI	

<b>Hangar 2A</b>			
EJC-5415	UH-1H-II	BAAV 5	

<b>Hangar 3</b>			
PNC-0706	UH-1H-II	ARAVI	<b>5437</b>
PNC-0707	UH-1H-II	ARAVI	<b>5456</b>
PNC-0709	UH-1H-II	ARAVI	
PNC-0723	UH-1H-II	ARAVI, ex 68-15276	
PNC-0737	UH-1H-II	ARAVI	<b>10703</b>
PNC-0740	UH-1H-II	ARAVI	

<b>Platform in front of Hangar 1</b>			
PNC-0216	Ce208B	ARAVI	
PNC-0233	PA-31-350	ARAVI	
PNC-0253	Ce208B	ARAVI	<b>208B-1097</b>
PNC-0930	Bell 407GX-P	ARAVI	

<b>Platform in front of Hangar 2</b>			
PNC-0600, PNC-0606	UH-60L	ARAVI	
PNC-0610	UH-60L	ARAVI	
PNC-0613	UH-60A	ARAVI	
PNC-0614	UH-60A	ARAVI	<b>70-308</b>
PNC-0801	Bell 412EP	ARAVI	

<b>Platform in front of Hangar 3</b>			
PNC-0488	Bell 212	ARAVI	<b>35073</b>
PNC-0490	Bell 212	ARAVI	<b>35075</b>
PNC-0495	Bell 212	ARAVI	<b>30968</b>
PNC-0704	UH-1H-II	ARAVI	<b>9422</b>
PNC-0736	UH-1H-II	ARAVI	<b>5699</b>
PNC-0737	UH-1H-II	ARAVI	
PNC-0738	UH-1H-II	ARAVI	<b>13544</b>

<b>Preserved/Stored</b>			
HK-3027	DC-9-15		i/a

<b>Helistar compound</b>			
HK-3723	Bell 212	Helicol	
HK-3731, HK-3732	Mi-8MVT-1	Helistar	
HK-3779, HK-4160	Mi-8MVT-1	Helistar	
HK-4842	Bell 412EP	Helistar	
HK-4997	BK117C2	Helistar	
HK-5133, HK-5180	AW139	Helistar	
OB2056P	Mi-8MVT-1	Helistar	
...	Mi-8	Helistar	

<b>Elsewhere</b>			
HK-433-P	Ce441		

HK-1934	H369D		
HK-3773	PA-31-350	Llanera de Aviación	
HK-4173-X	Beech 1900C		
HK-4249	AS350B2		
N3271R	Ce411A		
Bogotá-El Dorado 16 July 2019			
HK-5223, HK-5274	A320-214	Viva Air	
HP-1525CMP	B737-7V3	Wingo	
HP-1717CMP	B737-8V3	Copa Airlines	
N494TA	A320-233	Avianca Central America	
N568TA	A321-231	Avianca Central America	
N688TA	A320-214	Avianca Peru	
N845AM	B737-852	AeroMexico	
XA-ESP	BAe125-900XP	Aerolíneas Ejecutivas	
XA-JIL	A321-251N	Interjet	
XA-NBA	A320-214	Interjet	

**Hub traffic**

Avianca	ATR42 (3), ATR72 (7), A318 (4), A319 (5)		
	A320 (11), A321 (5)		
LATAM Colombia	A319 (1), A320 (6)		
Satena	ATR42 (3), ERJ170 (1)		

**CATAM**

FAC0002	F-28-1000	GRUVE 82	
FAC1208	B737-4S3F	ESCTA 811	
FAC2033	T-33A	preserved	
FAC4008	Bell 212 Rapaz	ESCOM 411	

**Army Compound**

EJC-1132	Ce208B	BAAV 1	
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**Navy compound**

ARC-508	PA-31-325	stored	
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**Policia National compound****Platform**

PNC-0201	DHC-6-300	ARAVI	
PNC-0204	Beech 350	ARAVI	
PNC-0206	Beech B200	ARAVI	
PNC-0208	Beech 300	ARAVI	
PNC-0221	C-26A		std
PNC-0229	C-26B		std
PNC-0239	Beech 200	ARAVI	
PNC-0242	ATR42-320	ARAVI	
PNC-0243	ATR42-300	ARAVI	287
PNC-0246	C-26B		std
PNC-0248	DHC-8-311	ARAVI	
PNC-0250	Beech 1900D	ARAVI	UE-124
PNC-0251	Beech 1900D	ARAVI	UE-498
PNC-0255	Beech 300	ARAVI	FA-69
PNC-0257	BT-67	ARAVI	9670
PNC-0258	BT-67	ARAVI	32529

**Hangar**

PNC-0202	DHC-6-300	ARAVI	
PNC-0222	C-26A		o/h
PNC-0236	Beech 200		o/h
PNC-0241	ATR42-310	ARAVI	011
PNC-0256	BT-67		o/h

**Cargo south**

HK-5216	B727-227F	AeroSucre	
N124FE	B767-3S2FER	FedEx	
N219CY	B767-383ERF	ABX	
N335QT	A330-243F	Avianca Cargo	
N540LA	B767-316ERF	LATAM Cargo Colombia	
N950AR	MD-11F	SkyLease	

For most of the 4Aviation group this was the last day. We started the day early with a visit to the Police unit in Guaymaral, just north of Bogotá. After the visit we decided to drive a bit around the airfield and this was a big success. After a nice lunch we drove back to Bogotá-El Dorado for a visit to the Police unit over there and did some spotting on the airport. After some hours we said goodbye to the travel group and with only three guys we extended our stay in Colombia.

Bogotá-Museo Militar 17 July 2019  
(FAC2171) OA-37B preserved

"FAC2015" UH-1H preserved  
After breakfast we decided to do some touristic things and pay a visit to Monsarate, this is a church high in the mountains, with a spectacular view over the city. After this we walked into the historic centre of Bogotá and payed also a visit to the Museo Militar that is still over here. We know that there was a Huey over here but to find here also a A-37 was a surprise. At the end of the day we walked back to the hotel and review our day.

The museum in the Candelaria area has two airframes. The OA-37B is probably the one that they had before and was missing for some years. The Huey is probably coming from Madrid Air Base and this airframe is still unknown.

Bogotá-El Dorado 18 July 2019

EC-JBA	A340-642	Iberia	
HK-4832	An-32B	AerCaribe	
HK-4854	BAe3200	FlexAir	
HP-1378CMP	B737-7V3	Wingo	
HP-1562CMP	ERJ190AR	Copa Airlines Colombia	
HP-1719CMP	B737-8V3	Copa Airlines	
N72LA	BAe125-850XP	Bank of Utah	
N120RL	Beech 200T	ISR Platforms	
N901AG	BAe125-900XP		
N930PT	BAe125-800XP		
XA-MAP	A321-251N	Interjet	
XA-VTA	A320-214	Interjet	
YV637T	Lj55C		

**Hub traffic**

Avianca	ATR72 (2), A318 (4), A319 (2), A320 (17), A321 (3), A330 (1), B787 (2)		
EasyFly	ATR42 (2), ATR72 (2)		
LATAM	A319 (6), A320 (6)		
Satena	ATR42 (4), ERJ145 (1)		
Viva Air	A320 (5)		

**CATAM**

FAC1001	C-130B	ESCTA 811	
FAC1005	C-130H	ESCTA 811	
FAC1041	F-28-3000C	ESCTA 821	
FAC1202	KC-767-200TT	ESCTA 811	
FAC1256	C212-300	CACOM 6	
FAC1280, FAC1284	C295M	ESCTA 811	
FAC1285	C295M	ESCTA 811	
FAC3102, FAC3114	A-29B	CACOM 211	
FAC3117, FAC3125	A-29B	CACOM 211	
FAC5759	Beech C90GTx		

**Army Compound**

EJC-1111	RC695A	BAAV 1	
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**PNC Compound**

PNC-0250	Beech 1900D	ARAVI	
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**Cargo South**

N331QT, N335QT	A330-243F	Avianca Cargo	
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In the morning I visited a factory that works for the military and the two other guys got to the airport. On this day many aircraft landed at the airport, for the upcoming military parade in Bogotá. However, it was hard to read some serials of them. When it got dark we went back to the hotel and were a bit disappointed we could not read most of the Tucanos.

19 July 2019

EC-KZI	A340-642	Iberia	
EC-MTU	A330-223	Wamos	
HC-CSB	A319-132	Avianca Ecuador	
HC-CTX	A320-214	Avianca Ecuador	
HI1040	G-IVSP		n/t
HK-2596	Beech C90	Rio Sur	n/t
HK-3554-G	Beech B200	Aeronautica Civil	
HK-4563	Beech 1900D	Searca	
HK-4767	Bell 412	HeliCol	
HK-4973	EMB120ER	Sarpa	
HK-5013	EMB120RT	Sarpa	
HK-5139, HK-5197	B737-476SF	AerCaribe	
HP-1520CMP	B737-7V3	Copa Airlines	

HP-1524CMP	B737-7V3	Wingo	EJC5433	UH-1H-II	BAAV 5
HP-1730CMP	B737-8V3	Copa Airlines	<b>Flight 2</b>	Kfir COA	ESCOM 111
N170AP	EMB500		FAC3047, FAC3048	Kfir COA	ESCOM 111
N491TA	A320-233	Avianca Peru	FAC3050, FAC3051	Kfir COA	ESCOM 111
N568TA	A321-231	Avianca Peru	FAC3059	Kfir	
N690SE	RC690B		2x		
N958AM	B737-852	AeroMexico	<b>Flight 3</b>	KC-767-200TT	ESCTA 811
N9012	A319-115	American Airlines	FAC1202	Kfir COA	ESCOM 111
TC-JNA	A330-203	THY Turkish Airlines	FAC3049, FAC3058		
XA-DBR	A321-251N	Interjet	<b>Flight 4</b>	Bell 206B-3	EHFAA
XA-NBA	A320-214	Interjet	FAC4470, FAC4471	Bell 206B-3	EHFAA
YV3419	Lj55		FAC4472, FAC4475	Bell 206B-3	EHFAA
			FAC4476, FAC4477	Bell 206B-3	EHFAA
			FAC4478, FAC4479	Bell 206B-3	EHFAA
			FAC4480, FAC4482	Bell 206B-3	EHFAA
<b>Hub traffic</b>			<b>Flight 5</b>	Bell 212 Rapaz	ESCOM 411
Avianca	A318 (6), A319 (5), A320 (22), A321 (5), A330 (4), ATR72 (6), B787 (4)		FAC4002	UH-1H-II	ESCOM 411
EasyFly	ATR42 (3), ATR72 (4)		FAC4420	Bell 212 Rapaz	ESCOM 411
LATAM	A319 (5), A320 (9)		FAC4021	UH-1H	ESCAA 412
Satena	ATR42 (5), ERJ145 (1), ERJ170 (1)		FAC4207	UH-1H-II	ESCAA 412
Viva Air	A320 (7)		FAC4418		
<b>CATAM</b>			<b>Flight 6</b>	AH-60L Arpia II	ESCOE 512
FAC1001	C-130B	ESCTA 811	FAC4104	UH-60L Halcon	ESCOE 512
FAC1204	B727-2X3F	ESCTA 811	FAC4109	AH-60L Arpia IV	ESCOM 511
FAC1202	KC-767-200TT	ESCTA 811	FAC4125	AH-60L Arpia III	ESCOM 511
FAC1208	B737-4S3SF	ESCTA 811	FAC4129	AH-60L Arpia III	ESCOM 511
FAC1282	C295M	ESCTA 811	FAC4134	MH-60L Angel	ESCOE 512
FAC2254, FAC2262	AT-27	ESCOM 212	EJC4138		
FAC3103, FAC3104	A-29B	ESCOM 211	<b>Flight 7</b>	C-130H	ESCTA 811
FAC3105, FAC3113	A-29B	ESCOM 211	FAC1005	C295M	ESCTA 811
FAC3114, FAC3125	A-29B	ESCOM 211	FAC1280, FAC1283		
FAC5076	Beech 350	ESCTA 811	<b>Flight 8</b>		
FAC5759	Beech C90GTX		24x	Tucano/Super Tucano	
76-0160	C-12C	US Embassy Bogota	<b>Flight 9</b>		
<b>Army Compound</b>			FAC1202	KC-767-200TT	ESCTA 811
EJC1123	C212-100CB	BAAV 1	FAC3049, FAC3058	Kfir COA	ESCOM 111
EJC3375	Mi-17-1V	BAAV 3	<b>Flight 10</b>	Kfir COA	ESCOM 111
<b>Navy Compound</b>			FAC3049, FAC3050	Kfir COA	ESCOM 111
ARC224	UH-1N	GATAF	FAC3058	Kfir	
ARC251	AS365N-3	GANCA	<b>Flight 11</b>	UH-1N	GATAF
ARC803	CN235-300MPA	GANCA	ARC224	AS365N-3	GANCA
<b>PNC Compound</b>			ARC251		
PNC-0242	ATR-42-320	ARAVI	<b>Flight 12</b>		
PNC-0245	ATR-42-300	ARAVI	ARC803	CN235-300MPA	GANCA
PNC-0259	DHC-8-311	ARAVI	<b>Flight 13</b>		
<b>AerCaribe compound</b>			PNC-0482, PNC-0483	Bell 212	ARAVI
EJC1146	An-32A	BAAV 1	PNC-0486, PNC-0488	Bell 212	ARAVI
HK-4832	An-32B	AerCaribe	PNC-0495, PNC-0497	Bell 212	ARAVI
HK-5197	B737-476SF	AerCaribe	PNC-0602, PNC-0610	UH-60L	ARAVI
HK-5228	B737-4B6SF	AerCaribe	PNC-0612, PNC-0613	UH-60A	ARAVI
<b>Cargo North (LAS compound)</b>			PNC-0614, PNC-0615	UH-60A	ARAVI
HK-4401	B727-2X3F	LAS Cargo	PNC-0617, PNC-0618	UH-60A	ARAVI
HK-4636	B727-2S2F	LAS Cargo	PNC-0801	Bell 412EP	ARAVI
<b>Cargo South</b>			PNC-0927, PNC-0928	Bell 407	ARAVI
CC-CZZ	B767-316ERF	LATAM Cargo	PNC-0929	Bell 407	ARAVI
HK-5192	B727-2X6C	AeroSucre	PNC-0930	Bell 407GX-P	ARAVI
HK-5239	B727-212F	AeroSucre	<b>Flight 14 &amp; 15</b>		
N226CY	B767-383ERF	ABX Air	FAC1202	KC-767-200TT	ESCTA 811
Today the rehearsal for the parade in Bogotá city took place and we decided to go to the airport. During the rehearsal, El Dorado was closed for traffic. Again, we waited until dark before we went back to the hotel and prepared our luggage ready for the next day.			2x	Kfir	
Bogotá-Carrera 60/Calle 42			Bogotá-El Dorado		20 July 2019
PNC-0742	UH-1H-II	ARAVI	CC-BBE	B787-8	LATAM
HK-2589-G	Bell 206B	Ministry of Transportation	D-AAHB	Global 5000	MHS Aviation
Bogotá-Independence day parade			EC-MPE	B787-8	Air Europa
<b>Flight 1</b>			EC-MTU	A330-223	Wamos Air
EJC2100	S-70i	BAAV 2	HC-CJV	A320-214	Avianca Ecuador
EJC2144	UH-60L	BAAV 2	HK-4453	ERJ190AR	Copa Airlines Colombia
EJC3375	Mi-17-1V	BAAV 3	HK-4756	Beech 400A	Searca
EJC3398	Mi-17-V5	BAAV 3	HK-5002	Beech C90A	MedicalFly
EJC5429	UH-1H-II	BAAV 5	HK-5139	B737-476SF	AerCaribe
			HK-5266	ATR42-500	EasyFly

HK-5293	ATR72-212A	EasyFly
HP-1378CMP	B737-7V3	Wingo
HP-1524CMP	B737-7V3	Wingo
HP-1567CMP	ERJ190AR	Copa Airlines
N342AM	B737-8Z9	AeroMexico
N479TA	A319-132	Avianca Central America
N685TA	A320-233	Avianca Central America
N24729	B737-724	United Airlines
XA-APO, XA-JOE	A320-251N	Interjet
YV3012	B737-401	Avior Airlines

**Hub traffic**

Avianca	A318 (2), A319 (1), A320 (18), A321 (4), A330 (2), ATR72 (3), B787 (3) A319 (1), A320 (5) ATR42 (3), ERJ145 (1) A320 (6)
LATAM Colombia	
Satena	
Viva Air	

**CATAM**

FAC1041	F-28-3000C	ESCVE 821
FAC1204	B727-2X3F	ESCTA 811
FAC1208	B737-4S3SF	ESCTA 811
FAC1254	C295M	ESCTA 811
FAC1952	IAI201	ESCOM 113
FAC5079	Ce208B	CACOM 2

**Army Compound**

EJC1135	Ce208B	BAAV 1
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**Cargo South**

LX-ECV	B747-4HQF	Cargolux
N335QT	A330-243F	Avianca Cargo
N950AR	MD-11F	SkyLease Cargo
XA-UYR	A300B4-605RF	AeroUnion

Colombia celebrates independence day on 20 July. In 2019 the bicentennial of the Colombian republic was celebrated. To celebrate 200 years of independence, there was a big military parade in Bogotá. Early morning we travelled by taxi to a spot close to our prepared vantage point. Unfortunately, due to road closures we needed to walk some distance. On the positive side, the closures reaped us two helicopters, that were at a small grass strip. The parade was excellent, still unfortunately we could not read the Tucanos again, as they were very high in the air. The eighth group flew "200" as a formation. At the end of the flypast we got back to the hotel, picked up our luggage and headed to the airport for the flight back to Europe.

Madrid-Barajas	21 July 2019
9H-PAL	Ce550B n/t
CC-CXG	B767-316ER LATAM
CP-2880	B767-33AER Boliviana de Aviacion

CS-LTD	Ce680A	NetJets Europe	n/t
CS-TQX	B777-2FBLR	Ceiba Intercontinental	
CS-TTL, CS-TTM	A319-111	TAP Air Portugal	
D-AAAX	CL-600	Air Independence	n/t
D-AEAN	A300B4-622RF	European Air Transport	
D-AIUB	A320-214	Lufthansa	
EC-LYL	Ce560XLS	Gestair Private Jets	n/t
EC-MFB	A340-313X	Plus Ultra Líneas Aéreas	
EI-FJZ, EI-FVI	B737-8JP	Norwegian Air International	
EI-IKU	A320-214	Alitalia	
EI-STD	B737-4Q8F	ASL Airlines Ireland a/w, n/t	
F-GRXK	A319-111	Air France	
G-CKWT	B787-9	Norwegian Air UK	
G-EZEN	A319-111	easyJet	
HB-JXF	A320-214	easyJet Switzerland	
HZ-ARB	B787-9	Saudi Arabian Airlines	
LV-FPU	A340-313X	Aerolíneas Argentinas	
N781AV	B787-8	Avianca	
N836AA	B787-9	American Airlines	
OE-IZQ	A320-214	easyJet Europe	
OE-LQC	A319-111	easyJet Europe	
OO-SNC	A320-214	Brussels Airlines	
PH-BGG	B737-7K2	KLM	
PH-BXE	B737-8K2	KLM	
PR-XTB	A350-941	LATAM	
SP-ESA	B737-8Q8	Enter Air	
SX-DNG	A321-231	Aegean Airlines	
TC-JIT	A330-223	THY Turkish Airlines	
TC-JNP	A330-343	THY Turkish Airlines	
XA-ADG	B787-9	AeroMexico	
YL-CSG	CS300	Air Baltic	
YR-BGJ	B737-82R	Tarom	

**Hub traffic**

Air Europa	A320 (2), A321 (1), A330 (2), ATR72 (1), B737 (7), B787 (6), ERJ190 (6) A320 (1), A330 (3), A340 (1) B737 (13) ATR72 (2) A330 (1), B747 (1)
Iberia	
Ryanair	
Swift Air	
Wamos	

With a small delay I arrived at Madrid-Barajas. The idea was to have a stop over here of two hours. Again, Air Europa had some issues with the B787. This added a two-and-a-half hour delay to my schedule. Without any service of Air Europa I arrived finally in Amsterdam. Conclusion: again a very successful trip.

Credit: Raymond van Dijkhuizen



SATENA is a semi military and civilian airline operating a number of Embraer 145/170 jetliners and ATR42 propliners. Among them is ATR42-600, HK-5114/FAC-1192 delivered to Colombia in June 2015. (Bogota-El Dorado, 16 July 2019, Raymond van Dijkhuizen)

# Centrum Leteckého Výcviku

A look at Czech pilot training



Manolito Jaarsma

With 2900 examples built, the Aero L-39 Albatross is a very successful design. Since 1972 most of these trainers have found their way to air forces all over the world. The Czech Air Force was the first, and still uses them in 2019. (Pardubice, 27 May 2019, all photos by the author)

LOM Praha is a civilian company, established in 2004, which is fully owned by the Czech Republic's Ministry of Defence. The company's headquarters is located in Prague and is divided into several divisions which are located throughout the country. LOM Praha offers the following services:

Location:	Service:
Brno	Development and production of simulated technologies through VR Group a subsidiary of LOM Praha
Pardubice	Centrum Leteckého Výcviku (CLV – Flight Training Center)
Prague Kbely	Overhaul and modernization of airframes
	Quality control centre
Prague Malešice	LOM Praha HQ
Přerov airport	Airfield flight training and maintenance
Stará	Dynamic component test site

Flight training on several aircraft types (see table below) is conducted at Pardubice airport and simulator training, offered through its VR Group, in Brno. Pardubice is a former Czech Air Force base which after Czechoslovakia split up in the Czech Republic and Slovakia on 1 January 1993 housed the Sukhoi Su-25 Frogfoot, Antonov An-26, Aero L-39 and Let L-410. Since then the Su-25s have been withdrawn from service. The L-410s transferred to the 24th Air Transportation Base at Prague-Kbely together with the An-26s which since then have been replaced by the Airbus D&S C295M. Czech Air Force operations at Pardubice were ceased on 30 October 2003. The CLV was activated in 2004 and assigned

Syllabus 1	Syllabus 2	Czech Air Force
Basic Flight Training	Advanced Flight Training	Conversion Training
Zlin 142C-AF	Fast jet: L-39C	JAS-39 Gripen or L-159 ALCA
	Transport: L-410UVP	L-410FG/UVP
	Helicopter: Enstrom 480, Mi-17	Mi-17Sh, Mi-24V/Mi-35. Mi-8P/PS

These are the three steps on the path to becoming an operational Czech military pilot. Obviously all cadets start their training on the piston engined Zlin 142C AF basic trainer. As soon as they have graduated, they pass on to the training for a more specific role.

the (basic) pilot training role. The division celebrated its 15th anniversary in 2019.

## Centrum Leteckého Výcviku

Within LOM Praha the Centrum Leteckého Výcviku (CLV) is responsible for the training of Czech Air Force pilots but it also offers its services to other countries. Customer can request for specific training for their pilots and receive a custom-made training by the CLV.

Since 2017 Mr. Jaroslav Špaček is the director of the flight training center and together with his five deputies (economics, flight training, logistics, safety and tactical training divisions) runs the daily operations of LOM Praha at Pardubice airport. Mr. Špaček is a former Czechoslovakian Air Force pilot who started his career in the Czechoslovak air force at the Air Force College at Košice in Slovakia.

He continued his career in the Czech Air Force and became the Chief of helicopter aviation General Staff in 2006. Two years later he joined LOM Praha s.p. as test pilot before being appointed as the CLV directory. Mr. Špaček accumulated 4.100 flight hours on military and civilian helicopters (Airbus helicopters EC-135, Bell 206, Bell 427, Enstrom 480, Mil Mi-2, Mi-4, Mi-17 and Mi-24 and Robinson Helicopter R-44). The CLV employs approximately 175 personnel whom are all civilian employees. All the instructor pilot (around 40 at present) and most of the technical staff served with the Czech Air Force. The pilots are licensed to fly both military and civilian aircraft.

New Czech Air Force pilots are selected during their two-year (basic) military training at the military academy. Students with the correct skills are assigned to the CLV and continue their career for another three years with the CLV. Basic pilot training is conducted on the Zlin Z-142C-AF before continuing to either the fast jet, transport or helicopter training.

The Czech Air Force decides the postings to the advanced flight training at the CLV based on their needs and the skills of the students. After graduation at Pardubice the conversion training on the operational aircraft types will take place at the 21st Tactical AFB Čáslav, 22nd Helicopter Base at Náměst nad Oslavou and the 24th Air Transport Base at Prague-Kbely.

Next to training of Czech Air Force pilots, LOM Praha also offer its training to other customers. The training is offered tailor-made on request of that customer. Simulator training is offered through its subsidiary VR Group on the Mi-2 and Mi-17 / Mi-171 full mission simulators. The latter is responsible for training pilots of the Polish armed forces pilots on the Mi-8 / Mi-17 to keep them current on for instance emergency procedures which can't be trained with the use of helicopters due to safety reasons. The CLV trained Nigerian Air Force pilots on the L-39C. Training within the CLV is not only focused on pilots but the company also offers training for flight engineers and maintainers.

#### Zlin 142C-AF:

The Zlin 142 is used for the initial flight screening program (IFSP). Students are screened for mental and physical attributes. The syllabus is divided in academic training which incorporates aviation rules and aircraft systems. Flying training is divided into basic flight skills, take-off and landing, navigation, standard and emergency procedures.

Besides the eight aircraft listed above, the CLV owns one more civilian registered aircraft which is used by the CLV staff, as well as a Zlin 43 for the same purposes.

#### L-39C Albatros:

Students selected for fast jets will continue their training on the L-39C, a version of the Albatross family which is dedicated to pilot training. The Czech Air Force operates the L-39ZA which can be equipped with a rocket rack, but this type will be withdrawn from service by the end of 2019. The syllabus offered by the CLV covers four phases.

New pilots start with the elementary phase to become acquainted with the flight characteristics of the aircraft. Phase II and III are focused on the advanced training and are concluded by phase IV, "combat limited". The L-39C is scheduled to be withdrawn from service by the end of 2021.

#### Let-410UVP/UVP-T Turbolet:

Two versions are assigned to the CLV, one Let-410UVP and one Let-410UVP-T. The latter distinguishes itself by the

larger cargo door compared to the business UVP version to accommodate paratrooper dropping capability. However, for training purposes there is almost no difference. A three-phase training program is conducted for Czech Air Force pilots divided into basic, advanced and tactical training. Other customers can request tailor-made training.

#### Enstrom 480B:

Six Enstrom 480B helicopters were purchased to replace the Mil Mi-2 in the helicopter basic training role. Four of the helicopters are assigned to the CLV with the other two operated by DSA a.s., a flight school and partner of the CLV based in Hradec Králové. The first Enstrom helicopter arrived at Pardubice on 21 June 2018 and made its first flight on 1 August 2018.

#### Mi-17 Hip:

Courses on the Mi-17 are split between basic training for new pilots who finished the Enstrom 480B syllabus as well as conversion training for pilots who have flown other helicopter types for instance the Mi-24/35 Hind within the Czech Air Force. Advanced training focuses on training with night vision goggles, SAR flights and use of the hoist.

#### Mi-2 Hoplite:

Six Mi-2s were assigned to the CLV and used for basic flight training. It has been replaced by the Enstrom 480B however one of the helicopters will remain in the inventory of the CLV to support its operations until 2021. Another one has been placed in front of the CLV building.

#### EV-97:

The CLV has one Evektor-Aerotechnik EV-97 aircraft in its inventory. This aircraft is used by the instructors for refresher training and is also used for company support.

#### Aircraft maintenance, repairs and overhaul

The CLV maintains its aircraft at Pardubice airport. Depot level maintenance and overhauls are performed by LOM Praha at its Prague-Kbely facility. Within the EU / NATO countries, LOM Praha is the only certified company by the Russian MVZ Mil and OAO Klimov design bureaus, the Interstate Aviation Committee MAK and domestic aviation authorities to perform maintenance, repairs and overhaul (MRO) on the Mi-2/8/17/34/35 helicopters. It is also certified by Aero Vodochody for MRO on the L-39 Albatros. Training of maintainers and engineers is conducted at Prague-Kbely.



Since 1946, the Czech Zlin factories have built a world wide reputation as builders of trainer and aerobatic aircraft. The original series of tail dragger Trener and Trener Masters were followed by the nose wheel equipped Zlin 42/142/242 series. Many of these aircraft have found their way to military and civilian flying schools all over the world. (Pardubice, 27 May 2019)



The Enstrom 480 is basically a turbine powered version of the original Enstrom 280 helicopter. It was originally designed for the US Army as the TH-28, but not ordered. However some foreign air forces decided to buy a number of this training helicopter. So now the 480 flies in countries like Japan, Thailand, and Venezuela. Czech Air Force 0459 is seen here at Pardubice on 27 May 2019.

### CLV future

Until 2018 all CLV aircraft wore the Czech Air Force roundel. As the CLV is a civilian company all new aircraft as well as current aircraft returned from depot level maintenance will receive the flag of the Czech Republic. Military registrations of the aircraft will not change.

The CLV is in the process of modernizing its current aircraft fleet. Its basic helicopter fleet was already renewed and its fast jet training aircraft will be replaced. The Czech MoD awarded a contract to Aero Vodochody to build four L-39NG (New Generation) trainer aircraft. The first aircraft is expected to be delivered by the end of 2020 with the remainder following in early 2021. The introduction of the new trainer will see the L-39Cs being withdrawn from service by the end of the same year.

Aero Vodochody's L-39NG is based on the successful L-39 Albatros aircraft of which more than 3,000 have been built. Several improvements to the airframe and its systems have been made. Compared to its predecessors the L-39NG has less

Inventory of the CLV LOM Pardubice, coming from our

Serial	constr.nr	last seen	remarks
Enstrom 480B-G			
0459	<b>5242</b>	jun19	d/d 14aug18
0460	<b>5243</b>	jun19	d/d 14aug18
0473	<b>5240</b>	jun19	d/d 21jun18
0474	<b>5241</b>	jun19	d/d 21jun18
EV-97 Eurostar			
2617	not yet known	jun19	
L-39C			
0103 (2)	<b>230103 (5303)</b>	jun19	
0113 (2)	<b>390113 (5304)</b>	jun19	
0115 (2)	<b>330115 (5305)</b>	jun19	
0440 (2)	<b>530440 (5306)</b>		w/o 12jul10
0441 (2)	<b>530441 (5331)</b>	may17	
0444 (2)	<b>530444 (5332)</b>	may19	
0445 (2)	<b>530445 (5333)</b>	jun19	
0448 (2)	<b>530448 (5337)</b>	jun19	
L-410UVP			
0731	<b>810731</b>	jun19	blue c/s
L-410UVP-T			
0928	<b>820928</b>	jun19	new camo

weight, less drag (wing tip tanks have been removed) and can fly up to 15,000 flight hours. The aircraft is NVG compatible including lighting, has a glass cockpit including integrated digital avionics and can carry more fuel, increasing its range or time in the air.

Delivery of the L-39NG will mark a leap forward for the CLV in delivering fast jet pilots to the Czech Air Force or other customers.

Currently unknown is the future of the Mi-17 Hip. The Czech Air Force has a requirement to replace its Mi-8 / Mi-17 transport and Mi-24 / Mi-35 combat helicopters. The United States Defense Security Cooperation Agency has approved the sale of twelve Bell UH-1Y Venom helicopters on 23 October 2017 followed by the same number of Sikorsky UH-60M Blackhawk and four Bell AH-1Z Viper helicopters on 3 May 2019.

The author would like to thank Mr. Jaroslav Špaček (CLV director) and Mr. Tomáš Kuba (Referent for foreign training) for their hospitality and support.

Serial	constr.nr	last seen	remarks
Mi-17			
0825	<b>108M25</b>	jun19	
0828	<b>108M28</b>	sep18	
0832	<b>108M32</b>	sep18	
0835	<b>108M35</b>	may13	
0836	<b>108M36</b>	jun19	
0837	<b>108M37</b>	jun19	
Mi-2			
0711	<b>5110711088</b>	jun19	
0718	<b>5110718098</b>	may18	reported stored may13
9427	<b>519427105</b>	may17	
9428	<b>519428105</b>	jun19	
Zlin 142C-AF			
0551	<b>0551</b>	may19	
0556	<b>0556</b>	jun19	
0557	<b>0557</b>	jun19	
0558	<b>0558</b>	jun19	
0559	<b>0559</b>	jun19	
0566	<b>0566</b>	jun19	
0567	<b>0567</b>	jun19	
0568	<b>0568</b>	jun19	
OK-PNE	<b>0401</b>	jun19	

## Oshkosh 2019



Otger van der Kooij

This year some twenty Mustangs attended to Oshkosh AirVenture. They include P-51Ds N5428Y/44-73264/CY-U and N6306T/44-74878/HI-G. The later served with Canada as Mustang IV 9259 for some ten years after the war, before being sold on the civil market in the USA. (Michel van de Mheen)

In 2019 was the 50 anniversary of the AirVenture at Oshkosh Wittman airfield held between 22 and 28 July. Oshkosh is not your regular airshow as most people will already know. It is the Experimental Aircraft Association fly-in convention. The program, which is handed out at the entrance, is not the flying display schedule, but the convention's 32-pages overview of all forums, lectures, briefings and workshops which are held during the week. Over 250 of these free events are held on a daily basis. A large amount of the event audience will arrive by air. According to the EAA website this year they brought 2758 "show planes" with them. These included 1057 home built, 939 vintage airplanes and 400 warbirds. Beside these aircraft there were over 12,000 sites for the aircraft camping. The airfield handled a staggering number of aircraft operations. For the eleven days of the convention 16,807 movements were recorded which average to approximately 127 takeoffs/landings per hour. Approximately 642,000 people visited this year's AirVenture.

As the AirVenture is held over eleven days, the aircraft on view change during this period, with aircraft coming and going. So if you have checked all the rows of T-34s on Tuesday you will see that several have gone or been added by Thursday.

The report below is that from Wednesday till Friday. During the weekdays in the mornings you will see numerous aircraft arriving and departing. Several aircraft types will leave for some fun / formation flying. They will leave the airfield together, disappear from sight and only come back an hour or so later. For example on Wednesday at 07:20 local time (the airfield opens to the general public at 07:00) five P-51 Mustangs were noted taking off together. The afternoons saw more flying displays, from Pitts special to the F-35. There were also mass launches of warbirds (up to 60 aircraft) which would provide several formation flypasts.

As there were so many aircraft we listed some aircraft in block per area or type. All info between brackets was not on the aircraft. Several museum aircraft were in the static, these are marked with a \*. I am sure not all aircraft of our interest are listed, there were just too many.

## Main Static / Exhibition area:

114145	CT-114	431sq
80-0230/IN	A-10C	163rd FS
86-0015	C-5M	22nd AS
17-46035	KC-46A	344th ARS
92-1094	LC-130H	139th AS
59-1461	KC-135R	129th ARS
78-0494/MA	F-15A	131st FS
87-0190/SJ	F-15E	307th FS
12-5043/LF	F-35A	61st FS
69-6660/MT	UH-1N	54th HS
03-6204/AP	T-6A	455th FTS
65-10429/BB	T-38A	1st RS, as 9RW
168929/NA-200	FA-18F	VFA-94
11-08092	CH-47F	B/2-238th AVN
17-03128	AH-64E	1-101st AVN
12-72240	UH-72A	D/1-376th AVN
N42RF	WP-3D	NOAA (ex 159773)
N179Z	C-23A	USDA FS (ex 84-0462)
N191Z	DHC-2	USDA FS
N507NA	Lancair 300	NASA
N816H	Beech 300C	USCBP

## C-GBPD/291 CL215-1A10

Most operational military and government aircraft in the public area were parked at the main static square, with a few between the exhibition buildings. The static grew during the week with aircraft added. At the beginning of the week a UPS B747-8F N616UP was the large aircraft in the static, but by the end of the week this was replaced by the Galaxy and United B787-8 N45905.

## Flightlines across the runway:

80-0177/IN	A-10C	163rd FS
81-0980	A-10C	354th FS
81-0981/DM	A-10C	354th FS
94-7310/5	C-130H	731st AS
78-0544/MA	F-15A	131st FS
88-1674/SJ	F-15E	333rd FS
09-4185/FF	F-22A	1st FW, as 10G
08-4156/FF	F-22A	94th FS
12-5042/LF	F-35A	61st FS
13-5071/LF	F-35A	62nd FS
14-5107/LF	F-35A	62nd FS
95-3007/EN	T-6A	459th FTS

(07-3882)/EN	T-6A	as 459FTS	C-FMKA	Harvard 2	3222/53/Canada
63-8154/TY	T-38A	2nd FTS	N36	AT-6D	44-81493
68-8186/TY	T-38A	2nd FTS	N36CA	Harvard 2A	(1522/Portugal), as 0674
64-13304/BB	T-38A	1st RS	N45WA	SNJ-4	(26991)/WA
65-10418/WM	T-38A	13th BS	N46SL	SNJ-4	(27129)
68-8179/WM	T-38A	13th BS	N66JB	T-6G	(49-2915), as 49-2821/VT-821
65-10459/EN	T-38C	90th FTS	N66TY	T-6G	(E.16.63/Spain), as 49-3038
66-8352/EN	T-38C	90th FTS	N87H	AT-6D	(41-34571)/87/HL-A
166926/NF-207	FA-18F	VFA-26	N95WM	Harvard 3	7549/South Africa
169208/NJ-562	EA-18G	VAQ-129	N101RF	SNJ-5C	90649/101
168939/NJ-567	EA-18G	VAQ-129	N166WR	T-6G	49-3297/WR
166260/E-260	T-6B	TAW-5	N214MB	SNJ-5B	(43732)/MB-214
165599/A-157	T-45C	TW-1	N257DB	T-6G	(51-14913/Japan), as 26507
165630/A-188	T-45C	TW-1	N269WB	SNJ-4	(26992)/WB-269
10-08085	CH-47F	B/2-238th AVN	N350HT	SNJ-5	(C.6-141/Spain), as 44-81723
			N415NJ	SNJ-2	2037/13, also marked 65-2026
			N465SH	Harvard 2A	7406/South Africa
			N515SA	Harvard 3	(7515/South Africa), as 28208
			N542PJ	T-6J	(1781/Portugal), as AA+682/4
			N601JF	AT-6C	(42-4072)/4
			N651SH	T-6G	C.6-168/421-59/Spain
			N747JE	T-6G	49-3292/TA-292
			N757LF	SNJ-5	84991/TA-757
			N763V	SNJ-4	(51381), marked as 88-13763
			N791MH	T-6G	(51-14791)/1
			N796WM	Harvard 3	(7002/South Africa)/94
			N916DC	SNJ-6	(112180)/916
			N918AT	T-6G	49-3359/TA-359
			N991GM	AT-6D	(42-85794)
			N1284	T-6G	(FAB-369/Bolivia), as 50-1284
			N2861G	SNJ-6	(112157), as 0256
			N3261G	SNJ-5	(43818)/602/39
			N3265G	SNJ-5B	91049/B-N-G, ex Mexico
			N3267G	SNJ-5	(51971)/2
			N3639F	SNJ-6	148112/39F
			N3771M	SNJ-5	85028
			N3931R	SNJ-5	84923/WB-77
			N4269Q	T-6G	(53-4558)
			N4708C	T-6F	(44-81870)/TA-870
			N4983N	AT-6D	44-81453/68
			N4996H	T-6G	49-3320/TA-320
			N5199V	SNJ-5	(43875)/9
			N5296V	T-6G	49-3057/TA-057
			N5451E	T-6G	(E.16-114/Spain), as 49-3382
			N5542V	T-6G	(49-3304), as 32669/TA-669
			N6423D	SNJ-4	(27823), as AT7358
			N6442D	SNJ-6	112239
			N7090C	SNJ-4	(27754)/370
			NX7431	Harvard 4	20431/Canada
			N7462C	AT-6F	(44-82489)/3
			N7572	Harvard 3	7572/South Africa
			N7693Z	AT-6C	7693/South Africa

These flightlines were clearly visible from the static side. Also here the situation changed during the week. For example the EN Talons and Navy T-6 hed left before the weekend, while more EA-18Gs and a Marines F-35C were said to have arrived just before the weekend. The Blue Angels made some flypasts on Monday, while The Thunderbirds did this on Thursday.

P-51 Mustangs:

(N959RT)	Spitfire LF IXc	(H-15/Netherlands), as MK959
N20TF	TP-51D	(FAB521/Bolivia), as 44-63187
N50FS	CA18 Mk22	(A68-187/Austra.), as 44-74839
NL51HY	P-51D	(45-11439)
NL51JC	P-51D	44-72339/9D-J
N51KB	P-51D	(44-74009), as 44-15267/G4-M
N51MX	P-51D	(401/EI Salvador), as 44-13464
NX51NA *	XP-51	(41-0038)
N51TC	P-51D	44-75009
NL51VL	P-51D	(406/EI Salvador), as 44-14237
NL51ZW	P-51D	(44-74453), as 44-72927
NL68JR	P-51D	(1912/Dominica), as 44-22051
N151AM	P-51D	44-73420
NL451MG	P-51D	(9270/Canada), as 44-14450
NL551E	P-51B	(43-12252), as 43-24823/B6-S
N551H	P-51H	(44-64314), as 44-64551
NL551J	P-51D	(44-74230), as 44-14937/B6-P
NL1751D	J26	26152/Sweden, as 44-63675
N5420V	P-51D	(44-74202), as 44-15660
N5427V	P-51D	(44-72942), as 44-14151
N5428V	P-51D	44-73264/CY-U
N6306T	P-51D	(9259/Canada), as 44-74878
NL6555B	P-51C	(43-24907)
NL61429	P-51C	(42-103645)/A4-2

Main attraction for a lot of people were the Mustangs. Parked amongst them was a single Spitfire. Along the edge of the area was the nose of TB-25N N9088Z/44-30733.

Harvards/Texans:

CF-VFG	Harvard 4	20404/Canada
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T-6G N66TY/49-3038/TA-038 seen here returning from a flight during the week. The aircraft went to Spain in the early 50's as E.16-63 and returned to the US in the 1980's. This explains the name Spanish Lady on the engine cowlings. (Otger van der Kooij)



The crew of former US Navy T-28C N9025Y/140475/D-716 is preparing for a Wednesday morning flight. They would do this together with a dozen other T-28s. (Otger van der Kooij)

N7976A	SNJ-6	(112336), as 3192/92
N8994	AT-16ND	(B-174/Netherl.) as 662814
N9805C	SNJ-5B	85036/JC
N29931	T-6G	49-3449/49
NX37642	Harvard 2A	(1551/Portugal)
N47217	Harvard 4	20217/Canada
N51979	SNJ-5	(51979)/79
N75342	AT-6D	42-44641/21-F
N77055	SNJ-5B	(90666)/1
N81854	T-6F	(44-81857)
N85593	T-6F	(44-81693)/93/UN-L

Over 65 Harvards and Texans were noted in all kinds of colours and markings. All were parked in the warbird area with the exception of N7976A (far side hangar), N4983N (homebuilt area) and NX37642 (parked near the Howard and WACO aircraft).

#### T-28 Trojans:

C-FRWG	T-28C	146240/NJ-093
C-GDKR	T-28B	138289
C-GKOL	T-28C	146260
N28TY	T-28B	138178/G-44
N28XC	T-28C	140514/2S-744
N28XT	T-28B	138339/TL-339
N28YM	T-28C	146287/WS-08
NX228TS	T-28B	138351/AA-576 (Philippines)
N238V	Fennec	(0591/Argentina), as 52-1238
NX272NA	T-28A	50-0272/TL-272
NX289RD	T-28C	140576/A-W
N300JH	T-28B	140009/300
NX462NA	T-28C	140570/E-462
N528TC	T-28C	146253/WS
N555PF	T-28B	138265/PF
NX757K	T-28C	140647/2S-153
N618TL	T-28A	49-1618/TL-618
NX632NA	T-28D	(227/Honduras), as 51-7632
NX828JC	T-28C	140012/JC-283
N5443U	T-28B	140047/TX-026
NX7160C	T-28C	146262/D-747
NX8009G	T-28D	52-1187 (Laos)
N8089H	T-28A	51-7695
N9025Y	T-28C	140475/D-716
NX9060F	T-28B	138164/TX-027
N9868A	Fennec	(CNA-EJ/Morocco), as 51-3513
N14142	Fennec	(103/France), as 51-3756/WC
N76912	T-28A	49-1525/TL-525
N28941	T-28C	140553/553

#### T-34 Mentors:

N2VY	T-34B	140733/2S-217
N4WL	T-34A	53-3366
N7CN	T-34B	140770/2S-770
N24EZ	T-34A	(184/Chili), as FM-154
N32EE	T-34A	(53-4092)/EE-32
N34B	T-34A	(52-7636), as 53-0017/LL-10
N34AF	T-34A	52-8278/278
N34AT	T-34A	(53-3378)
N34AX	T-34A	(177/Chili), as 168737/PW-737
NX34CC	T-34C	(TR-KFT/Gabon), as AD-462
N34CX	T-34A	(166/Chili)
N34MK	T-34A	53-3327
N34PA	T-34A	53-4168/2S-53
N34SY	T-34B	(140912), as 0246
N34SZ	T-34A	53-4120/AF-20
N44MT	T-34A	52-7630
N45MG	T-34A	53-4185/C
N53BR	T-34A	53-3391/LL-53
N54RF	T-34B	(53-3379), as 140140/140
N134AF	T-34B	(53-3339), as 54100/100
N134CD	T-34A	(55-0160)/0134
N134DH	T-34A	53-4109/04
N134DR	T-34B	(140835), as 85-464/RS
N134JC	T-34A	(55-0255)
N134JV	T-34B	(144038)/MA-99
N134LM	T-34A	53-4192
N134RR	T-34B	144033/RR-00
N134SM	T-34B	144005/HM-05
N134TD	T-34A	140745/LL-20
N134TX	T-34A	(53-3353), as 0113/113
N190AC	YT-34C	140784
N221CG	T-34A	(164/Chili) as 221
N244RF	LM-1	(59-01096/Philipp.), as 140034
N256GR	T-34A	55-0197/GR
N273CB	T-34B	(53-3311)
N344SG	T-34B	(144047), as 24203
N341MR	T-34A	140731/MR-001
N342DB	T-34A	(53-3346), as 141400/2S-400
N334HC	T-34A	(53-4100)/HC-001
N400LL	T-34B	144093/LL-40
N434Z	T-34A	(53-3332)
N500DR	T-34A	(52-7650)/LL-50
N534DB	T-34A	(ex 187/Chili)
N574	T-34A	55-0274/TD-274
N617KG	T-34B	(140945)/TR
N634M	T-34A	(B-675/Indonesia), as 56761
N638TD	T-34A	(53-4186), as 27638/TD-638



T-2B N27WS/155235/S-030 and N212TB/155226/B-300 made a flight on Thursday together with the two T-45C Goshawks from TW-1 as the Navy Heritage Flight. (Otger van der Kooij)

N666	T-34A	(B-651/Indonesia), as 666/PA	N133KK	CT-133	(21556/Canada), as 56-0556
N777PP	T-34A	53-4178/78	NX433RD	CT-133	133579/Canada
N790JW	T-34A	55-0233/TD-233/JW	N129BS	L-29	(1722/Czechia)
N834G	T-34A	53-4126/DG-26	N685TC	RF-5A	(108/Norway), as FA-685
N922PJ	T-34A	(53-4106)/1	NX217SH	Lim-5	1611/Poland
N3789G	T-34A	(55-0180)	N1713P	Lim-5	1713/Poland
N4982N	T-34A	53-4095/NL-22	NX250CF	S211	(342/Singapore)/023
N5172	T-34A	55-0172/TD-172	NX270CF	S211	(385/Singapore)/CF
N6450D	T-34A	53-3306	NX280CF	S211	(347/Singapore)
N8226E	T-34B	144072/2S-72	N6171M	L-29	31/Bulgaria
N10319	T-34B	(144011)/BC-319	N25AL	L-39C	25 black, (Kyrgyzstan)
N12281	T-34A	(53-4193)/CA-293	NX11XN	L-39C	(Soviet)
N31368	T-34B	140755/JG-755	N39BZ	L-39C	125 blue, (Kyrgyzstan)
N44007	T-34A	(53-3365)/126	N39JV	L-39C	(10 white/Ukraine)
			N139DZ	L-39C	(104), (Kyrgyzstan)
			NX139PM	L-39C	(Soviet), as TP-201
			NX139VM	L-39C	(14 yellow/Ukraine)
			N139VS	L-39C	30 white (Ukraine)
			N178CW	L-39C	(Soviet), Thunderbirds c/s
			NX239PW	L-39C	as 239 (Kyrgyzstan)
			N247SG	L-39C	as 84 yellow (Ukraine)
			N339DM	L-39C	(Estonia)
			NX976BH	L-39C	(61/Ukraine)
			N929AS	L-39ZO	(28+25/Germany)
			N995X	L-39C	(Soviet)

There were not only ex US Mentors, but also ex military T-34s from Chili, the Philipinnes and Gabon. Also noted was T-34A N41TC, this was marked as 5473/AF-073, but has no military history as it was the Beech company demonstrator. N134TX was noted in a hangar on the far side.

Jet aircraft:

N133CK	T-33A	(FT-15/Belgium), as 17445
N777ZE	L-29	103/Bulgaria
N6171M	L-29	31/Bulgaria
(NX86JR) *	Sabre 5	(23330/Canada), as 12740
N133CN	CT-133	(133052/Canada)



The US military retired their last A-4 Skyhawk in 2003. Some fifteen years later a few are flying with civil operators. One of them is A-4C N49WH/142112 which is painted as 148609/NA-685, an aircraft which scored the type's only air-to-air kill over North Vietnam on 1 May 1967. It is based at Waukegan Airport near Chicago. (Michel van de Mheen)



Stinson L-5 Sentinel N60190/42-14888/314 was one of the aircraft in the L-bird area. The aircraft is registered to an owner Oshkosh Wittman Airfield. (Otger van der Kooij)

N5683D	L-39C	(26/Kyrgyzstan), as 777	N9643C	TB-25K	(44-86758)/3
N7231M	L-39C	(Soviet)	N9079Z	B-25J	44-30734
N49WH	A-4C	(142112), as 148609/NA-685	N10V	B-25H	(43-4432)/6N
N234LT	TA-4J	158141/OA	N5548N	B-25H	(43-4106), as 43-4380/I
N518TA	TA-4J	(158486)/NP-518	N69972	TB-29	44-69972
N400FS	FJ-4B	143575/TR-44	N333E	UC-43B	(43-10830)
N212TB	T-2B	155226/B-300	N75Q	C-45G	(51-11866)/CM
N27WS	T-2B	155235/S-030	N213DE	C-45H	51-11835
N370WB	T-37C	66-13618	N8504	C-45H	52-10752
			N9840Z	C-45H	(52-10596)
			N40189	RC-45J	(51218)
			NC43XX	C-53D	(42-68738)
			N47E	C-47A	43-30665
			N47TB	C-47A	42-92847/3X-W
			N62CC	C-47A	43-30647/X5-J
			N534BE	C-53A	42-6480/GX-B
			N728G	C-47	(41-7860)
			N734H	C-47	(41-18602)
			N2805J	C-47D	(43-16369), as 43-770/EL
			N8704	TC-47D	44-76716
			NC24320	C-47A	43-15731
			N25641	C-47	42-32833
			N45366	C-53D	42-68830/CU-R
			N74589	C-47A	42-24064/ID-N
			N164UC	UC-64A	(43-5233)
			N22410	UC-70	(42-38365)
			NC17665	UC-71	(42-38287)
			N88878	UC-78C	42-72125
			N1ZB	LC-126C	51-7012/A-012
			N179PT	F4U-5N	(603/Honduras), as 122179
			NX72378	F4U-4	(610/Honduras), as 97388
			NX41476	F6F-3	41476
			N2209	F8F-1B	122095
			N68RW	F8F-2	(121766), as 94996/1
			N9964Z	FG-1D	92468
			N47046	L-2M	43-26363
			N47207	L-2M	43-26502
			N50417	L-2M	43-26036/73
			N51366	L-2M	43-26476
			N69825	L-4J	45-4962/14-L
			N64669	L-5	42-98319
			N3232S	L-5G	(45-35035), as 04568/NB-4
			N60190	L-5	42-14888/314
			N60440	L-5G	45-35031
			N63355	L-5G	45-35064
			(N4770C)	YL-15G	47-0432/LE-432
			N2508B	L-16A	47-0937
			N4238A	L-17B	48-1030
			N8068E	L-17B	48-0944
			N10133	L-17B	48-1060
			N70XH	O-1A	(51-7314), as 11954

Most of the jet aircraft were parked on the 04 end of the short runway, next to the Trojans. The northern part of the line-up (were mostly L-39s were parked) was not open to the public which restricted good photos of these aircraft. Also here was not ex mil S211 NX877B.

#### Warbirds:

N8146	Ryan ST-A	(A50-30/Australia), as S-21
C-FPQL	Canso A	(11084/Canada) as 9754/IP
C-FTLU	Expeditor 3NM	1552/Canada
N7185	Expeditor 3NM	(1504/Canada), as 7185/185
N6670	CT-128	2300/Canada
N472AF	CC-129	(12942/Canada)
C-GRSB	CC-129	(12945/Canada), as FZ692
N144WC	Dakota 4	(10916/Canada), to C-47TP
N39622	Fleet 16B	4756/Canada
N3239T	C-47A	(K-684/Denmark), as 2100591
N3255G	L-19E	(24531/France)
N3946K	L-19E	(24716/France)
N33MT	L-21B	MM54-2526/EI-230
N992BB	SM1019	(MM57205)
N27TQ	Do27B-1	(009/Israel)
N305AB	L-19A	11096/JG-1096/V (Japan)
N103NA	Dakota 3	(FD879/Pakistan)
N500LN	Howard 500	Converted PV-1 6417/SAAF
NX4270	CASA 1131E	(E.3B-427)/KC+EC
N24FM	Argus 3	HB690
N9279H	Cornell 2	(FV391), as 42-65870/70
N60535	Cornell 2	(FX146)/05
C-FDTD	Dakota 3	(FZ668)
NX518WB	Firefly AS6	WB518/K-201
N4420K	Kittyhawk 1	(AK753)/16
N474PZ	Mosquito FB6	PZ474/L
NC69398	Reliant 1	(FB565)
NC17634	Spartan 7W	KD102
N582	Traveler 1	FT478
NX15S	Sea Fury FB11	WJ288/153
N2AD	AD-2	(09257), as 52-609/6T
NX39606	A-1H	(139606), as 39-606/ET
NL26BP	A-26C	(41-39359)/21
N3193G	B-17G	44-85829/GD-Y
N5017N	B-17G	(44-85740), as 210516/30-H

N5170G	O-1A	(51-12373), as 51-22713/N	N23PM	CJ-6A	(3832012)/23 white
N90671	TO-1A	51-11971	NX58T	CJ-6A	(2851208)/52 yellow
N5190G	TO-1A	(51-12138), as 22452	N73CJ	CJ-6A	(2951231)/121
N202A	O-2A	68-11157	N202ME	CJ-6A	(5232002)/64872/480
N802A	O-2A	68-6885	N280NC	CJ-6A	(2951240)/72871/28
NL977WH	P-40N	(42-104977)/55	N642K	CJ-6A	(4232013)
N840 *	P-64	(41-19085)	N622CD	CJ-6A	(2032030)
N887XP	XP-82	44-83887	N815BB	CJ-6A	(2951216)/14 white
N214CR	AT-11	41-9486	N5616N	CJ-6A	(5632016)/M-663
N57486	BT-13A	41-21826/903	N6313N	CJ-6A	(3532022)/69 white
N59840	BT-13B	(41-11449), (Mexico)	N40369	CJ-6A	(3732008)/64 white
N59961	BT-13A	41-23075/213	N461EY	EMB312F	461/France
N62700	BT-13A	41-9616/202	NX66KB	IAR823	20/Romania
N69041	BT-13A	41-22384/384	NX823DJ	IAR823	(05/Romania), as 9
N44JP	N2S-5	43576/444	N135PD	P3-05	(A-825/Switzerland) as AF825
N9686F	PT-17	41-0957/845	N853P	P3-05	A-853/Switzerland
N9856H	N2S-4	55751	N26AE	SF260MB	(2006/Myanmar), as ST-12
N58219	PT-17	41-0969/596	NX260ED	SF260C	(315/Libya)
N63806	PT-17	(42-16404), as 42-16399/225	N406FD	SF260D	as ST-06, not ex mil
N222FK	PT-17	(42-16396)/66	N945TA	SF260MC	(AT-104/Congo)
N11125	N2S-5	(43140)	N36TB	TB30	120/France
N56914	PT-17	(41-8542)/569	N50TB	TB30	50/France
N63529	PT-17	(40-1781)	N125FR	TB30	125/315-YP/France
N65693	N2S-3	(07362)/88	N130KL	TB30	130/France
N44963	N3N-3	01926/09	N155TB	TB30	155/France
N7014J	PT-22	(41-20667)/667	N234DJ	TB30	(10/France), as 23
N49674	PT-22	(41-15367)/367	N428TB	TB30	28/France
N64172	PT-23	42-49236/39	N839AE	TB30	70/315-WM/France
N999ML *	PQ-14B	(44-68334)	N8385E	TB30	134/France
N5076A	U-3B	(60-6063)	N1004N	Sk61E	61052/Sweden
N30U	U-4A	55-4638	N105MR	Sk61D	(61031)/Sweden
N98TP	HU-16B	(51-7186)	N118BD	Sk61D	(61016)/Swdeen
N7029F	HU-16E	7218	N818PJ	Yak-18T	(22202021)
NC63597	GH-2	(32865)	N15YK	Yak-52	(9311702)
N727ST	GH-3	(45039)	N21YK	Yak-52	(9211609)/01 grey
N66294	GH-3	(44921)	N32YK	Yak-52	(866907)/103 yellow
NC29457	NH-1	(29457)	N52EX	Yak-52	(888407)
N20779	GB-2	(09774)	N152JB	Yak-52	(811403)/3 red
N631LS	R5O-5	(12474)	N352SH	Yak-52	(855704)
NL81865	TBM-3E	(85632), as 85828/T83	N621TW	Yak-52TW	(0312504)/04 white

Not all these warbirds were parked in the designated warbirds area. For example the Beechcraft Staggerwings (UC-43, GB-2) or Howard DGA-15s (UC-70, NH-1, GH-) were in the vintage parking area south west of the main static ramp.

#### Other ex military aircraft:

N26JH	Chipmunk T10	(WZ860), as 18010
NX146DK	Chipmunk 20	(P-124/Denmark), as 18003/DA
N801WP	Chipmunk T10	WP801/911
N22777	Chipmunk 20	P-126/Denmark
C-FLBT	Chipmunk 1B	18065/Canada
C-GEWZ	CJ-6A	(4332002)
N4MF	CJ-6A	(2951203)/11 white

#### Helicopters:

N211PZ	Mi-2	211/Bulgaria
C-FXBO	Bo105M	88+07/Germany
N110PL	Mi-2	(3648/Poland), as 110
NX14SD	UH-1H	62-12369
N67PB	OH-6A	67-16026
N666SM	TH-13T	(66-4292)

The TH-13T was doing sight-seeing flights from the museum area together with three civil Bell 47s.



This is what it is all about for some 40.000 visitors who arrived by air. Park your aircraft, unpack your tent, attend some seminars and enjoy the rest of the day. This Harvard 2A NX37642 (ex 1551/Portugal) is for sale. (Otger van der Kooij)



T-6A Texan II 03-6204/AP was one of the several military aircraft at the main static. (Otger van der Kooij)

#### Motor gliders:

N26AF	TG-7A	82-0040
N39AF	TG-7A	82-0043
N762AF	TG-7A	(87-0762)
N763AF	TG-7A	87-0763
N765AF	TG-7A	87-0761
N136XS	TG-14A	01-0136/AF

#### Others non military aircraft:

N87AN	An-2	c/n 1G22-331
N95AR	AC500A	(c/n 500A-1270-93)
N42C	Beech D18S	(c/n A-468)
N50WA	Beech G18S	(c/n BA-616)
N70GA	Beech D18S	(c/n A-177), as KJ508
N141ZA	Beech E18S	(c/n BA-718)
N165X	Beech E18S	(c/n BA-189), as 189
NC411J	Beech D18S	(c/n A-967)
N729M	Beech G18S	(c/n BA-517)
N929DV	Beech E18S	(c/n BA-032)
N930R	Beech E18S	(c/n BA-438)
N933GM	Beech G18S	(c/n BA-533)
N2663	Beech F17D	(c/n 330)
NC18575	Beech D17S	(c/n 179)
NC18781	Beech F17D	(c/n 204)
NC80305	Beech G17S	(c/n B-4)
NC80321	Beech G17S	(c/n B-20)
N888BS	Beech D50	c/n DH-14
N1961	Beech D50E	(c/n DH-318)
N534KT	Beech D50E	(c/n DH-322)
N60591	Ce305F	as 65-866/BH
N5VX	Ce310C	as 35797
N1873H	Ce310C	as 35973
N28AA	DC-3A	(c/n 2239)
NC17334	DC-3-178	(c/n 1920)
N107B	DHC-2	(c/n 1220)
N10395	DHC-2	(c/n 1354)
CF-DRW	Fairchild F24W	(c/n W46236)
NC8407	Ford Trimotor	(c/n 5-AT-013)
NC9645	Ford Trimotor	(c/n 5-AT-008)
N7491	G44 Goose	(c/n 1240)
N402E	G44A Goose	(c/n 1444)
N1888T	G73 Mallard	(c/n J31)
N9125H	Howard DGA15P	(c/n 767)
N28259	Howard DGA15P	(c/n 548)
N67426	Howard DGA15P	(c/n 1710)
NC67722	Howard DGA15P	(c/n 560)
N68231	Howard DGA15P	(c/n 734)
N5938V	J-3C-65	as 43-17271/45-B
N42220	J-3C-65	as 45-14470/33-X
NC2633	Lockheed L-12A	(c/n 1281)
N80V	Navion	as 46-122839
N4045K	Navion	as 47-1045/LJ-045
N5221K	Navion	as 50-2121/LD-121
N4346M	PZL104-80	(c/n 21910928)/928 Polish c/s
N18407	Stinson SR-9C	(c/n 5313)

N73373	Stinson V77	(c/n 77-77)
N56ED	WACO YMF-5F	on floats
NC562J	WACO YMF	(c/n F5C-8-139)
NC656N	WACO CSO	(c/n 3136)
NC15232	WACO YKC	(c/n 4263)
NS14137	WACO YKC	(c/n 4223)

There were many more aircraft. Above are the larger non ex military aircraft or those painted in military markings while they were not ex military.

Oshkosh Wittman also has a museum. You could walk to here or take the free shuttle bus:

47-1498/FS-282	F-84C	preserved
(52-1993)	F-86H	as 91134
51-8627/TR-627	T-33A	pole mounted
N15MG	MiG-15bis	(1411/China), as 4115
N21MG	Chengdu J-7	(1603/China), as 4326
(N31PT)	PT-1	26-0234
NX35MK	Mosquito TT35	RS712/EG-F
(N80PP)	F-80C	(48-0868)/FT-749, on pole
N109BF	HA1112M1L	C.4K-127
N515	Bu133C	(U-84/Switzerland)
NX606PE	P-6E replica	as 60
N667EA	Tiger Moth	8865
N1196N	J2F-6	(36976)4-J-1
N3451D	P-51D	44-75007
(N3800L)	P-38M	(44-53087), as 2103993/597
(N5051V)	N2S-5	(52616), as N121R
(N5357)	JN-4D	(4904), composite
NX6667	F4U-4	(97259)/13
N7772	C-49K	(43-2014), as 223835
N9656H	L-5E	(44-18005?)
N17349	Ryan ST-A	24/Guatalama?, composite
(N32356)	F-89J	53-2536
(N38899)	S4C Scout	38899

Not only Oshkosh Wittman has a large number of camping aircraft but also the airfields of Fond du Lac to the south and Appleton to the north had hundreds of visiting/camping aircraft. Noted at Fond le Lac on 25 July was SNJ-6 N916DC/112180.

Appleton has some more interesting aircraft. The B-17 and B-29s were doing pleasure flights from here and could be seen overflying Oshkosh on a daily bases. The B-17 and a B-29 were relocated to Oshkosh by the end of the week.

N70GA	Beech D18S	as KJ508
N529B	TB-29A	44-62070
N3579	SNJ-5	51678/78
N5017N	B-17G	(44-85740), as 2102516/30-H
N6253C	T-6G	(49-2943), as 24125/267
N24927	Liberator 1	(AM927)/27
N69972	TB-29	44-69972

Credits: Tim Jones, Chris Lane, Andy Marden, Michel van de Mheen, www.eaa.org



One of the two Skyraiders present at Oshkosh was A-1H NX39606/139606. It is painted in the colours when it was operating with the 6th SOS in Vietnam as 39-606/ET, named Wiley Coyote. (Michel van de Mheen)



BT-13A N69041/41-22384/384 ready to taxi out of its parking spot at the warbirds area. (Otger van der Kooij)



We end with the most modern aircraft type at Oshkosh: F-35A 13-5071/LF. (Michel van de Mheen)

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The main activities of the Dutch Aviation Society are: publication of the monthly magazine 'Scramble', maintaining the aviation website [www.scramble.nl](http://www.scramble.nl), organising spotter conventions, maintaining an aviation information database, publishing from this aviation information database and other activities aimed at promoting the aviation hobby in general.

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**Scramble Magazine:**  
**ISSN 0927-3417**

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Founded in 1946 Aigle Azur was the oldest independant airline in France, was, because on 27 September the airline was liquidated by the French court. At the time this picture was taken of one of their two A330s F-HTIC the company had just filed for bankruptcy and was still looking for new investors. (Toulouse, 05 September 2019, Nik Deblauwe)



Another company that went into liquidation was the travel group Thomas Cook. Ten days before the liquidation ex WOW Air A321 OE-IIW roled out of the paintshop at Shannon and was to have become G-TCDS. Now the aircraft has left for the USA and will join the fleet of Frontier Airlines. (Shannon, 13 September 2019, Malcolm Nason)



At the time of writing this text Slovenian Airline Adria was still operational but with several aircraft being taken back by the leasing companies and most flights grounded the end is very near. CRJ900 S5-AAN is one of several CRJs in Adria's fleet of which the future is uncertain. (Stuttgart, 15 September 2019, Ad Jan Altevogt)



*Tsjkalovskiy (UUMU) air base just north-east of Moscow is the place to be to see decent numbers of any transport aircraft the Russian Air Force is flying with. Having said that, with so many aircraft based here, flying activities are at an extremely low level. An-26 EW-0077DD of the Belarus Air Force was a special visitor as this aircraft was still unknown to us until that day. (Tsjkalovskiy, 20 August 2019)*



*Russian Navy Tu-134UBL was converted to Tu134A-4 at MZGA-407 recently to become RF-12041/53 "white". Now it is showing its owner by the 'Voyenno-Morskoi Flot' titles on the fuselage and "MA VMF Rossii" on the tail (Tsjkalovskiy, 21 August 2019)*



*Also at Tsjkalovskiy Air Base this Russian Air Force Il-76M 86852 was showing its colours (Tsjkalovskiy, 21 August 2019)*