

**510**

**November 2021**

# Scramble



***Air Legend 2021***  
***Galileo SAR Meet 2021***

**DUTCH AVIATION SOCIETY**





*The Weapon Instructor Course (WIC) held at Leeuwarden is the cover theme of this month. Norwegian F-35A 5387 of skvadron 332 was deployed for a few weeks and is seen here taking off in spectacular fashion. (Richard Baas, 28 September 2021)*



*Another participating F-35A is F-017 of locally based 322 squadron. (Richard Baas, 20 September 2021)*



*F-16AM J-515 of Volkel's 312 squadron is pictured in Frisian sunshine as well on 8 September 2021 (Dino van Doorn).*

## Editorial

“All good things must come to an end...” This well-known English proverb makes sense, not only in our daily life but also in our hobby. Past month saw the farewell flight of the last Koninklijke Luchtmacht (Royal Netherlands Air Force) McDonnell Douglas KDC-10, which has left the country for a new career with Omega Tankers in the USA.

Another very important change, which will have an effect on all of us, is the announced discontinuation of the printed and pdf version of Scramble magazine, with issue 511 being the final one. An unfortunate decision that we were forced to take with rising costs and a decreasing number of subscribers.

But there is a wonderful new alternative coming: the online Scramble, the first issue of which is to appear in early January 2022. Almost every section of the printed Scramble will be present in this new online version, which will be more up-to-date and have more room for photographs. And for only € 10,00 per year for a subscription you will have unlimited access to the full content.

We can imagine that a lot of our subscribers are curious about the new online Scramble, so we decided to give you a sneak preview this month: parallel with the delivery of Scramble 510, some of the sections of this issue will be published online on our website. This enables you to see with your own eyes that the new online Scramble gives you real value for money!

As there are several types of subscriptions, your options will vary depending on your place of residence and remaining subscription time. The follow-up is explained on the next page. It will tell you how to inform us of your decision regarding the online subscription and any remaining credit.

The current Scramble brings you most of the usual sections and two articles. The first is an article on the Galileo SAR meet at Oostende, Belgium. The hopes for this event were

high as several exotic helicopter teams were invited. Unfortunately, most of these failed to participate, but nonetheless a nice contest.

Another article is dedicated to Air Legend 2021 at Melun-Villaroche, France. Both the wrecks & relics editor, Otger van der Kooij, and the warbird editor, Gert Jan Mentink, were there. The result is an article with full coverage of this interesting airshow.

## Important dates

Scramble 511	
Deadline copy:	19 November 2021
Deadline photos:	25 November 2021
Planned publication date:	8 December 2021

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## Cover Photo



Stephan Widmer has the honour to have the last Scramble civil front page. Landing at Stans-Buchs after another test flight is this Pilatus PC-24 c/n 240, wearing Swiss test registration HB-VUT. The aircraft will be delivered to an unknown Russian operator and will be registered as RA-01572. (13 September 2021)

## Scramble Shop

Items from our shop can be ordered by transferring the applicable amount to our bank-account IBAN NL43INGB0004320790 (BIC INGBNL2A), f.a.o. Dutch Aviation Society, stating your subscription number (or postal code) and the description of the articles you are ordering. Delivery time could take up to four weeks!

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

<b>SMS Europe 2021</b>	<b>138</b> pages
<b>Scramble World Airline Fleets 2020</b>	<b>246</b> pages
<b>Scramble F-16 Fighting Falcon - 6th edition</b>	<b>244</b> pages
<b>Scramble Military Transports 2020</b>	<b>88</b> pages
<b>SMS North America 2019-2020</b>	<b>183</b> pages



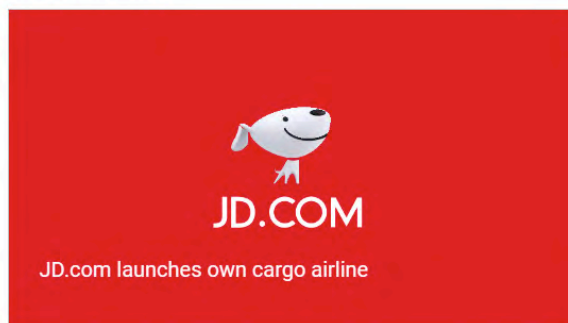
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## MILITARY HEADLINES



First JASDF KC-46A arrived in Japan

## CIVIL HEADLINES



JD.com launches own cargo airline

## Belangrijke mededeling

Beste abonnee,

In december zal de allerlaatste gedrukte Scramble, nummer 511, van de persen rollen. Het betekent ook het einde van de pdf-versie van ons blad. Maar gelukkig komt er een prachtige online Scramble voor terug! Deze zal alle secties van het huidige blad omvatten maar met een grotere actualiteit en meer foto's. Tegelijk met het verzenden van Scramble 510 zal het grootste deel van de inhoud ook online worden gezet. Zo kun je een indruk krijgen van hoe het er uit gaat zien.

Uiteraard hopen we dat iedereen zijn abonnement wil continueren via de nieuwe online Scramble. Deze kost slechts € 10,00 per jaar en vooralsnog sluiten we alleen jaarabonnementen af. Loopt je abonnementsperiode langer door dan nummer 511, dan kun je het tegoed gebruiken voor een online jaarabonnement. Kies je daar niet voor, dan heb je recht op terugstorting van het tegoed. Scramble zal hierbij de bankkosten voor haar rekening nemen.

Als het adreslabel tussen haakjes 511, 512 of 513 aangeeft en je besluit om een online abonnement te nemen, dan dien je respectievelijk € 10,00, € 5,60 of € 1,20 (bij) te betalen. Geef je aan geen online abonnement te willen, dan krijg je een tegoed teruggestort.

Graag horen wij waar je voor kiest: terugboeking van het eventuele tegoed minus € 10,00 voor een online abonnement, (bij-)betaling voor een online abonnement of terugboeking van het hele tegoed (geen online abonnement). Geef je keuze a.u.b. door aan [subscribe@scramble.nl](mailto:subscribe@scramble.nl) onder vermelding van je abonneenummer, dat staat op het adreslabel vóór het nummer tussen haakjes. Bij voorbaat bedankt!

De abonnees op de pdf-versie van ons blad dienen voor teruggave van hun tegoed zelf contact op te nemen met pocketmags: <https://pocketmags.com/contact-us>, dat kunnen wij helaas niet regelen. In januari kan via de Scramble website het nieuwe jaarabonnement afgesloten worden om vanaf het eerste online Scramble-nummer weer verder te gaan.

## Important announcement

Dear subscriber,

As you may have read earlier, the final edition of the printed Scramble, #511, will be roll off the press in early December. This also means the end of the pdf version of our magazine. Fortunately, a wonderful follow-up is in the making: the online version of Scramble! This will cover all the sections of the printed issues, while improving actuality and with more photos. Parallel with the shipment of #510, most of this issue's content will be published online. This enables you to get an impression of the new Scramble.

We obviously hope everyone chooses to continue to be a subscriber via the new online Scramble. This will cost just € 10,00 per year. If your current subscription runs further than #511, your credit can be used for an online subscription. If you choose not to continue being a subscriber, we will give you a full refund of the remaining credit, whereby Scramble will cover the banking costs. For our current subscribers from abroad, the amount of credit depends on the issue number in brackets on the address label and your location.

Please let us know via [subscribe@scramble.nl](mailto:subscribe@scramble.nl), stating your name and subscriber number, whether you wish to take the new online subscription for the coming year, using any credit if available, or prefer a full refund where applicable (no online Scramble). Thank you in advance!

Subscribers to the pdf version of our magazine will personally have to contact pocketmags for the refunding of their credit: <https://pocketmags.com/contact-us>, unfortunately we cannot arrange that for you. For those wishing to continue with an online subscription: please visit the Scramble website in January 2022 to not miss an issue.



# Movements Netherlands



A bit unexpected was the arrival of Serene Air 737-800 AP-BND at Amsterdam on 22 September. The aircraft flew all the way from Pakistan to Schiphol for maintenance at KLM and departed back to Pakistan a few days later. (Robert Eikelenboom)

## Amsterdam - Schiphol

Addition		August 2021	
19.CS-PHR	EMB505	NetJets Europef/v	20 NJE145A/020B
		September 2021	
01.9H-JLK	Falcon 7X	TAG Aviation Malta	dep
9H-JLK	Falcon 7X	TAG Aviation Malta	02
9H-VCF	CL-350	VistaJet Malta	02 2x VJT486
9H-VFH	CL-605	VistaJet Malta	04 VJT534
CS-DVH	Ce525B	Valair	02 VVV243/251
D-AIJD	A320-271N	Lufthansa	f/v DLH988/9
D-CARO	Ce680	Aerowest	
D-CFAR	Lj60	FAI rent-a-jet	IFA6098
D-CICU	Lj45	Jetcall	JCL7
D-IEGA	Ce525A	ProAir	
D-IEMO	Raytheon 390	Projet	06
D-IHUB	Ce525A	Sylt Air	03 AWU501E/503E
D-IJOA	Ce525A	Excellent Air	dep ECA28C
D-ISLT	Ce525A	Sylt Air	02 AWU901K/902K
D-ITRA	Ce525	Transavia Flug	02
ES-PVP	Lj60	Panaviatic	dep VPC1
G-OFOM	BAe146-100	Formula 1	FOR1
HA-FIT	Ce500	Jet Stream	JSH500/1
HA-JEO	Ce650	Jet Stream	JSH100/1
HB-ZQK	AW139	Lions Air Skymedia	f/v 02
LN-AWC	Lj45	Airwing	NWG31
LX-JFR	PC-12/47E	Jetfly Aviation	dep JFA00B
LX-SAB	Falcon 900DX	Global Jet Luxemb.	dep SVW56AB
LX-SAB	Falcon 900DX	Global Jet Luxemb.	09 SVW56AB
M-ILTA	Falcon 900LX	Allianz	dep
OE-HHH	CL-300	SPARFELL Luftfahrt	dep
OE-LUA	CL-650	Int'l Jet Management	IJM613
OK-UGJ	Ce680	Travel Service	TVS4J/5J
OO-ABB	A340-313E	Air Belgium	SLM3004/993
SE-RLP	Ce525B	Royalair	04
SE-RMB	Ce525B	Royalair	dep
SE-RMB	Ce525B	Royalair	03
VN-A897	A350-941	Vietnam Airlines	f/v HVN5531/5140
02.9H-VCD	CL-350	VistaJet Malta	03 VJT467
CS-DOF	CL-650	Jet Capital	05
CS-EFF	Ce560XLS+	Masterjet	03 LMJ482F/469F
D-CHZF	Ce550	Tyrol Air Ambulance	TYW212F/213F
D-CMMP	EMB505	Pad Aviation	PVD88U/32U
D-ETAO	PA-46-350P		f/v
D-IJOA	Ce525A	Excellent Air	ECA28C
D-IRBS	P180	Reiner Brach Aviation	
D-IVAG	Raytheon 390	FAI Rent-a-Jet	05 IFA6349
F-HGSA	ERJ135BJ	Valljet	03 VLJ822C/551K
F-HMCX	Ce525A	Tara	f/v 05
G-DCMT	EMB505	Voluxis	VXS102
G-MSFX	EMB550	Flexjet	03 FLJ51S
G-POWU	A321-211	Titan Airways (a/w)	AWC652/65W
G-ZENJ	Lj75	Zenith Aviation	BZE01B/01C
		HB-JFQ	Falcon 7X
		HB-ZQK	AW139
		LX-SCO	Falcon 2000LX
		M-JJTL	PC-12/47E
		N18LS	CL-604
		N129NS	G-IVSP
		N146QS	Global 6000
		N455FX	G450
		N711LS	Global 6000
		OD-MRM	A320-232
		OE-FAA	HA-420
		OE-FRM	Ce510
		OO-ABB	A340-313E
		P4-GVV	G550
		SE-RUA	A320-251N
		T7-BSG	Ce525
		T7-ISH	Lj60XR
03.9H-ILV	CL-850	9H-VCA	Lj60XR
	CL-350	9H-VJK	CL-850
	CL-350	D-AFAN	CL-850
	Global 6000	D-AGBB	Falcon 8X
	CL-850	D-AWIN	ERJ135BJ
	Falcon 8X	D-BFIL	EMB545
	ERJ135BJ	D-BJMS	Falcon 50EX
	EMB545	D-CAWK	Ce680A
	Falcon 50EX	D-CAWN	Ce680A
	Ce680A	D-CAWX	Ce680
	Ce680	D-CMMP	EMB505
	EMB505	D-IAAS	EMB500
	EMB500	D-ITOC	Raytheon 390
	Raytheon 390	D-ITRA	Ce525
	Ce525	F-HBDX	EMB505
	EMB505	G-LATO	Ce680A
	Ce680A	G-XATV	CL-300
	CL-300	HB-ZQK	AW139
	AW139	LZ-EAB	A320-231
	A320-231	LZ-LVK	B737-3H4
	B737-3H4	M-IFFY	Ce510
	Ce510	N861GL	Global 6000
	Global 6000	OE-FXM	Ce525A
	Ce525A	OE-HDC	CL-300
	CL-300	OE-IIX	CL-605
	CL-605	OK-JRT	Ce680
	Ce680	OO-PAS	EC135P3H
	EC135P3H	OO-PRM	Ce510
	Ce510	OO-PRM	Ce510
	Ce510	OO-VMF	Ce560XLS+
	Ce560XLS+	PH-DVK	PC-24
	PC-24	SE-RMB	Ce525B
	Ce525B	T7-BSG	Ce525
	Ce525	YR-BMT	B737-808
	B737-808	YU-SXX	Ce550
	Ce550	04.9H-VCE	CL-350
	CL-350	Japat	Lions Air Skymedia 03 2x
	Japat	Global Jet Luxembourg	SVW22CO
	Global Jet Luxembourg	JJTL Partners	03 XCH508
	JJTL Partners	The Whitewind Company	f/v
	The Whitewind Company	Global Air Charters	03 GJE1209
	Global Air Charters	Netjets	dep
	Netjets	Flexjet	f/v 03 LXJ455
	Flexjet	The Whitewind Company	05
	The Whitewind Company	MEA	f/v MEA199/200
	MEA	The Flying Bulls	
	The Flying Bulls	GlobeAir	03 GAC697V/863U
	GlobeAir	Air Belgium	SLM994/3003
	Air Belgium	Caimito	f/v 05
	Caimito	Scandinavian	f/v SAS1549/50
	Scandinavian	Delic Air	03
	Delic Air	ICS Aero	dep ICF601
	ICS Aero	VistaJet Malta	04 VJT624
	VistaJet Malta	VistaJet Malta	VJT401
	VistaJet Malta	VistaJet Malta	VJT836
	VistaJet Malta	FAI rent-a-jet	IFA6288
	FAI rent-a-jet	Volkswagen	BTX2B
	Volkswagen	Air Hamburg	04 AHO824H
	Air Hamburg	Air Hamburg	AHO161W
	Air Hamburg	ProJet	dep
	ProJet	Aerowest	dep
	Aerowest	Aerowest	04
	Aerowest	Aerowest	
	Aerowest	Pad Aviation	PVD65E/64X
	Pad Aviation	Arcus Air	04 AZE64HX/69HP
	Arcus Air	Exxaero	
	Exxaero	Transavia Flug	
	Transavia Flug	Jetkey	KBD216
	Jetkey	Zenith Aviation	BZE05C/D
	Zenith Aviation	Arena Aviation	f/v REN82W
	Arena Aviation	Lions Air Skymedia	
	Lions Air Skymedia	Electra Airways	CND516/5
	Electra Airways	ALK Airlines / Air Lubo	VBB4229/30
	ALK Airlines / Air Lubo	Xead Aviation	
	Xead Aviation		f/v 05
		Speedwings	05 SPG752
		Laudamotion Executive	05 LDX18
		Laudamotion Executive	07 LDX007
		Travel Service	TVS83J/84J
		Heli Business	04
		Air Service Liège	dep
		Air Service Liège	05
		Air Service Liège	
		Silver Flight	
		Svenskt Industriflyg	04
		Delic Air	
		Blue Air	f/v BLA199/200
		Air Pink	04
		VistaJet Malta	06 VJT474

9H-VJP	Global 6000	VistaJet Malta	VJT895	SE-RMB	Ce525B	Royalair	06
D-CARO	Ce680	Aerowest		T7-LSS	AW139	Lions Air Skymedia	
D-CAWN	Ce680A	Aerowest		06. A6-COM	B747-433	Dubai Air Wing	07 DUB3
D-CAWX	Ce680	Aerowest		CN-MMH	G650	Morocco Government	f/v FRV1306
D-CCCB	Lj35A	DRF Luftrettung	AMB325	D-AWSI	ERJ190LR	German Airways	GER113P/113
D-CFAQ	Lj60	FAI rent-a-jet	f/v 05 IFA6294/8	D-BOOK	Falcon 2000LX	Bertelsmann	BFD06K
D-CJJK	Ce560XLS+	Windrose Air	QGA007A/008A	D-CEMS	Ce525B	Air Hamburg	AHO138W
EC-HGI	Ce550	Initium Aviation	f/v 05 INI161/171	D-CPSH	Ce560XLS+	Heron Aviation	HRN221
EC-MAJ	A330-243	Wamos	f/v 05 PLM934P/936	D-IBCG	Ce525A	ProAir	
EC-MLV	Ce680	Gestair	05 GES541V	D-IGWT	Ce525A	Sylt Air	07 AWU706G/707G
G-JASS	Beech B200	2 Excel Aviation	BRO38P/38	G-LATO	Ce680A	Zenith Aviation	BZE05A/B
HB-JHM	A330-343E	Swiss	SWR724/5	G-NSEY	ERJ195STD	Aurigny Air	AUR011P/011
LX-FPF	Ce525B	Flying Group Lux.	FYL31F/32F	G-OFOM	BAe146-100	Formula 1	FOR1
LX-JET	EMB545	Global Jet Luxembourg	SVW35ET	HA-JEV	Ce650	Jet Stream	JSH700/1
M-DRIL	PC-12/47E	Myflight		HB-JJK	A320-214	Edelweiss Air	f/v EDW5418/2319
M-OBIL	Ce525C	Ulla Popken Fashion		M-IFFY	Ce510	Xead Aviation	08
N644RV	Falcon 2000	Rafael Vinoly Architects	f/v 05	OE-IZY	Falcon 900LX	Jet Pool	f/v 08 JPV315
N458FS	CL-350	Frank Slootman	dep	OO-ABB	A340-313E	Air Belgium	SLM994/3003
OE-FIT	Ce510	GlobeAir	GAC418B/657E	OO-PRM	Ce510	Air Service Liège	08
OE-HRS	CL-350	Avcon Jet	AOJ78R	OO-VMF	Ce560XLS+	Air Service Liège	
OO-PAS	EC135P3H	Heli Business	05	SE-RMB	Ce525B	Royalair	10
SE-RMB	Ce525B	Svenskt Industriflyg	05	SE-RUD	A320-251N	Scandinavian	f/v SAS827/8
T7-LSS	AW139	Lions Air Skymedia	05	07. 9H-VCF	CL-350	VistaJet Malta	VJT486
T7-PBL	PC-12/47E	Flying Club 24	05	D-BERT	Falcon 2000LX	Bertelsmann	2x BFD07T/65H
YL-ABC	A220-371	Air Baltic	f/v BTI619/20	D-CEXP	Lj35A	Air Alliance Express	AYY110
05. 9H-JCE	HA-420	JetClub	f/v JLN56	D-ICBA	Ce525A	ProAir Aviation	
9H-JLK	Falcon 7X	TAG Aviation Malta	08	D-IEGO	Ce525A	ProAir	f/v 08
9H-VCG	CL-350	VistaJet Malta	VJT480	D-IHKW	Ce525	ProAir	08
A9C-ISA	B737-86J	Bahrain Royal Flight	f/v 06 BAH11	EC-JIL	Global Express	Mango	MGO107
B-7368	B777-39PER	China Eastern	f/v 06 CES771/2	ES-PVP	Lj60	Panaviatic	08 VPC1
CS-EFF	Ce560XLS+	Masterjet	06 LMJ469F/482F	F-HBMR	Ce550	Valljet	VLJ388N
D-AFAN	CL-850	FAI rent-a-jet	IFA6323	F-HEGA	EMB505	ADM Aviation	08
D-CAHO	Ce560XLS+	Air Hamburg	AHO339Q	G-EODS	A330-343EF	Titan / GEODIS	AWC142/330
D-IAAR	EMB500	Arcus Air	AZE89CH/84CH	G-ZNTH	Lj75	Zenith Aviation	08 BZE07A
EI-IMC	A319-112	Alitalia	AZA9034/9959	HK-4907	G200	Searca	10
EI-RND	ERJ190STD	Alitalia	AZA9012/9955	N240LG	Falcon 900EX	Liberty Global	
F-HGSA	ERJ135BJ	Valljet	07 VLJ160C/951K	OE-FRM	Ce510	GlobeAir	GAC249Z/138A
G-EODS	A330-343EF	Titan / GEODIS	f/v AWC141Y/141	OY-NCO	Do328-310	Sun Air / British Aw	SUS9040/340A
G-OFOM	BAe146-100	Formula 1	FOR1	OY-NCW	Do328-310	Sun Air / British Aw	08 SUS340B/C
G-STWB	BAe125-750	Voluxis	VXS605	TC-ARB	Do328-300	Sun Air / British Aw	SUS9041/341A
LX-JFR	PC-12/47E	Jetfly Aviation	JFA04F/84A	08. 9H-VCL	CL-300	Arkasair	08
LZ-ASR	P180	Aviostart	f/v VSR901/2	CL-350	CL-350	VistaJet Malta	09 VJT418
N653FX	G650	Flexjet	f/v 06 LXJ653	B777-369ER	B777-369ER	Kuwait Airways	f/v KAC127/8
OE-FZA	Ce510	GlobeAir	GAC196Q/085R	B737-7E0	B737-7E0	Dubai Air Wing	09 DUB4
OE-FZA	Ce510	GlobeAir	GAC830Z/496G	Ce510	Ce510	DB Aviation	
OH-JFC	PC-12/47E	Fly 7 Executive Aviation	f/v	Ce560XLS+	Ce560XLS+	Air Hamburg	AHO119L/386E
OK-CTP	PC-12/47E	NetFlight		PC-24	PC-24	Volkswagen	09 BTX8MA/9MS
OO-ABB	A340-313E	Air Belgium	SLM3004/993	Ce525A	Ce525A	Gil-Air	
OO-ACO	Ce510	Air Service Liège		Ce550	Ce550	Valljet	VLJ388N
OO-PRM	Ce510	Air Service Liège	06 2x	Falcon 900LX	Falcon 900LX	JC Decaux	09
OO-VMF	Ce560XLS+	Air Service Liège		A330-343EF	A330-343EF	Titan / GEODIS	AWC141Y/141
OY-HMP	AW189	Bel Air Aviation	2x BBX101	PC-12/47E	PC-12/47E	Flexifly Aircraft Hire	f/v 09
OY-VAY	CL-605	ExecuJet Scandinavia	VMP689	Ce560XL	Ce560XL	Air Charter Scotland	EDC272E



Sun Express' Boeing 737 TC-SPC used to fly for the German branche Sun Express Germany as D-ASXX. The latter had painted this aircraft in Eintracht Frankfurt colours to promote their partnership with the German football club. (Amsterdam-Schiphol, 16 September 2021, Robert Eikelenboom)





HeliCentre's EC135 PH-WTG was used to fly the Red Bull team members and dignitaries during the Dutch Formula 1 Grand Prix to and from the Zandvoort racing circuit. For this occasion a big Red Bull sticker was placed on either side of the helicopter. (Amsterdam-Schiphol, 02 September 2021, AdJan Altevogt)

G-OFOM	BAe146-100	Formula 1	FOR1	OO-PRM	Ce510	Air Service Liège	10
HB-JIN	Falcon 900EX	JABJ	PJS400	OO-TUV	B737-86J	TUI Belgium	TFL478/073P
LX-GJM	Ce525C	Global Jet Luxembourg	SVW24JM	PT-MUE	B777-32WER	LATAM	10 TAM9554/5
LX-PCB	PC-24	Jetfly Aviation	JFA83Z/40R	SE-RLP	Ce525B	Royalair	13
N264C	Falcon 900LX	Int'l Aviation Holdings	dep	SE-RUE	A320-251N	SAS	f/v SAS1549/50
OE-FZB	Ce510	GlobeAir	GAC104Q/093R	10.9H-VJA	Global 6000	VistaJet Malta	11 VJT719
OK-JRT	Ce680	Travel Service	TVS33J/34J	A9C-ISA	B737-86J	Bahrain Royal Flight	11 BAH11
OK-RLV	G280	Avcon Jet	09	C-GURP	B787-9	Westjet	f/v WJA20/1
OO-ABB	A340-313E	Air Belgium	SLM3004/993	D-AGBB	Falcon 8X	Volkswagen	BTX2B
OO-CEJ	Ce525	Air Service Liège		D-AHOX	ERJ135BJ	Air Hamburg	11 AHO754D/883R
OO-DOB	Falcon 900LX	Flying Service	FGY41B/62B	D-ARMY	ERJ135BJ	Air Hamburg	AHO728F
OO-PRM	Ce510	Air Service Liège	09	D-CARO	Ce680	Aerowest	
OO-TUV	B737-86J	TUI Belgium	TFL072P/477	D-CBBB	Ce560XLS+	DC Aviation	13 DCS703
OY-NCO	Do328-310	Sun Air / British Aw	SUS340D/9140	D-CVMS	PC-24	Volkswagen	BTX10NC/11P
OY-NCW	Do328-300	Sun Air / British Aw	SUS341B/9141	D-IHKW	Ce525	ProAir	
S5-BBC	Ce560XLS+	Alpavia	f/v	D-IOHL	Ce525A	Excellent Air	ECA23C
09.9H-JLK	Falcon 7X	TAG Aviation Malta	17	D-ISGS	AP68TP-600	Svege Flugdienstleistungen	13
9H-VCF	CL-350	VistaJet Malta	10 VJT486	G-EODS	A330-343EF	Titan / GEODIS	AWC142/330
9H-VCK	CL-350	VistaJet Malta	VJT405	LX-PPF	Ce525B	Flying Group Lux.	FYL63F/22F
A6-COM	B747-433	Dubai Air Wing	10 DUB3	LX-JFG	PC-24	Jetfly Aviation	JFA82K/20X
B-321J	A350-941	China Eastern	f/v CES7769/70	LZ-LVK	B737-3H4	ALK Airlines / Air Lubo	VBB4229/30
D-CAWK	Ce680A	Aerowest	11	M-LWSG	Global 6000	Lynx Aircraft	
D-IAAW	EMB500	Arcus Air	AZE39AU/33AU	OE-EMG	TBM-930	Goldeck Textil	
D-IAWE	Ce425	Aerowest	f/v	OE-FHA	Ce510	GlobeAir	GAC060U/378G
D-IBCG	Ce525A	ProAir		OE-GCH	Ce550	Speedwings	SPG365
D-IEMO	Raytheon 390	Projet	10	OE-GIE	Ce525B	Airlink	JAR31
D-IPVD	Ce525A	Gil-Air		OH-FLG	PC-12/47E	Fly 7 Exec. Avn	f/v 11 JFA05L/58H
D-ITRA	Ce525	Transavia Flug	10	OK-RLV	G280	Avcon Jet	2x
F-HEGA	EMB505	ADM Aviation		OO-PRM	Ce510	Air Service Liège	11
F-HGPE	EMB505	Pan Européenne	PEA302	SP-ZEN	CL-350	Jet Story	JDI85H
HB-JJJ	A319-133(ACJ)	Nomad Aviation	f/v 10	YR-MXD	B737-8	Blue Air	f/v BLA199/200
LN-AWC	Lj45	Airwing	NWG49	11.9H-VCC	CL-350	VistaJet Malta	VJT426
LN-ENV	B737-8JP	Norwegian	f/v NAX1258/9	9K-AOH	B777-369ER	Kuwait Airways	f/v KAC127/8
LX-EVM	Falcon 2000LX	Global Jet Lux.	10 SVW29VM	D-ARMY	ERJ135BJ	Air Hamburg	12 AHO728F/881N
LX-SCO	Falcon 2000LX	Global Jet Luxembourg	SVW22CO	D-CDOC	Lj45	Jetcall	JCL2
N622YM	Falcon 7X		f/v 11	D-CKHG	Ce560XLS	Windose Air	QGA245B/246A
N9103J	Global Express	Planet Nine	f/v 11	D-CPSH	Ce560XLS+	Heron Aviation	2x HRN221
OE-EBF	PC-12/47NGX	Taransay	f/v 10	G-EODS	A330-343EF	Titan / GEODIS	AWC141Y/141
OE-FZC	Ce510	GlobeAir	GAC138B/918B	G-MSFX	EMB550	Flexjet	FLJ51S
OE-GLJ	Lj60XR	SPARFELL Luftfahrt	11 LDX17C	HB-JMF	A340-313E	Edelweiss Air	f/v SWR724/5
OO-ABB	A340-313E	Air Belgium	SLM994/3003	OE-FLO	Ce525A	"Eurosystems Trade"	
OO-CEJ	Ce525	Air Service Liège		OE-HUB	Ce750	Bairline	12
OO-GLM	Ce680	Air Service Liège		OO-DOB	Falcon 900LX	Flying Service	FGY63B/24B

OO-RKS	Ce510	Air Service Liège		D-CAHO	Ce560XLS+	Air Hamburg	16 AHO481A
PT-MUD	B777-32WER	LATAM	12 TAM9556/7	D-CAWX	Ce680	Aerowest	16
YU-PZM	Ce560XLS+	Air Pink		D-CDOC	Lj45	Jetcall	JCL2
YU-RDA	Ce560XLS+	Air Pink	12	D-CLIF	EMB505	Spree Flug	
12.9H-VCF	CL-350	VistaJet Malta	13 VJT486	D-IHUB	Ce525A	Sylt Air	16 AWU515E/516E
B-LQF	A350-941	Cathay Pacific	f/v CPA237/270	D-ISGS	AP68TP-600	Svege Flugdienstleistungen	22
D-CAPO	Lj35A	Jet Executive	13 JEI474/414	D-IWPS	Ce525A	Star Wings	16 STQ222
D-CDCM	Ce560XLS+	Air Hamburg	13 AHO316Z	EC-LAE	G200	Executive Airlines	GES231E
D-CDSO	Ce550	Heli-Flight		LX-PCE	PC-24	Jetfly Aviation	JFA04F/05G
D-CEMS	Ce525B	Air Hamburg	13 AHO149K/292	LY-VED	A321-211	Avion Express (a/w)	CAI1921/2
D-CFHZ	EMB505	DAS Private Jets		N44CE	G-IV	Global Air Charters	18 GJE1021
D-CMDH	Ce680	Eisele Flugdienst	EFD6H	N66D	Ce510		
D-FWIT	PC-12/47E	Jetfleet	PAV12	N240LG	Falcon 900EX	Liberty Global	
D-IGWT	Ce525A	Sylt Air	AWU712G	N940RW	TBM-940	Redwood	16
EC-KRN	G200	EJME Aircraft Mgmt	JME210N	OE-FOE	Ce510	GlobeAir	GAC201F/729T
ES-PVP	Lj60	Panaviatic	VPC1	OE-GZK	Ce560XLS	IJM	16 IJM369
F-HBDX	EMB505	Jetkey	KBD216	OE-ITC	G450	Luxaviation Germany	17 LXG14C
G-CLBA	B747-428ERF	CargoLogicAir	CLU5472/4	OK-CTP	PC-12/47E	NetFlight	
G-EODS	A330-343EF	Titan / GEODIS	14 AWC142/1	OK-HAR	Ce560XL	Aero Partner	DFC5TH/6CG
G-VYBK	A330-243	Air Tanker (a/w) f/v	13 AWC291P/291	OO-ABB	A340-313E	Air Belgium	SLM3004/993
G-ZYGB	B787-9	British Airways	f/v BAW430/1	OO-PRM	Ce510	Air Service Liège	
LN-ENQ	B737-8JP	Norwegian	f/v NAX1258/9	OO-XLS	Ce560XLS+	Air Service Liège	16
N240LG	Falcon 900EX	Liberty Global	13	PH-WTC	Falcon 2000S	Cartier Europe	16
N711VT	G500	Aerohead Aviation	15	RA-02734	BAe125-800XP	Weltall-Avia / Caesar	f/v 16
OE-FMU	Ce525	Pink Sparrow	SOW1	SE-RMB	Ce525B	Royalair	16
OE-FPP	Ce510	GlobeAir	GAC990B/914C	SP-CIT	Ce525	Bartolini Air	BNI5T
OH-FLG	PC-12/47E	Fly 7 Executive Aviation	JFA45V/79G	TC-REC	G450	REC Aviation	22
OO-ABB	A340-313E	Air Belgium	SLM3004/993	VN-A894	A350-941	Vietnam Airlines	f/v HVN5531/0
OO-GLM	Ce680	Air Service Liège	13	16.D-ARMY	ERJ135BJ	Air Hamburg	17 AHO819Q/871R
OO-JAF	B737-8BK	TUI Belgium	TFL094P/177/8/095P	D-CAPB	Ce560	Aerowest	
S5-CEG	Ce525	United Eagle Air Transport	13	D-CAWB	Ce680	Aerowest	17
SE-RMB	Ce525B	Royalair	14	D-CMBC	Ce560XLS+	Silver Cloud Air	17 SCR168
13.9A-JET	Ce525A	Air Pannonia	f/v	D-ILUI	Ce525A	ProAir	
9H-VCG	CL-350	VistaJet Malta	VJT480	D-IPVD	Ce525A	Gil-Air	
C-GOHB	Falcon 2000LX	Aviation Starlink	14	D-ISGS	AP68TP-600	Svege Flugdienstleistungen	17
D-BERT	Falcon 2000LX	Bertelsmann	2x BFD13T/65H	F-HJSL	Ce525B	Ixair	IXR616J
D-ISGS	AP68TP-600	Svege Flugdienstleistungen	15	G-EODS	A330-343EF	Titan / GEODIS	17 AWC142/330
D-ISJP	Ce525A	Excellent Air	14 ECA22C	G-IPAX	Ce560XL	Air Charter Scotland	EDC298R
D-ISUN	Ce525A	Excellent Air	ECA25C	LN-ENL	B737-8JP	Norwegian	f/v NAX1258/9
G-LCAD	ERJ190SR	British Airways	f/v BAW8497/6	N515TJ	Beech 400A	Blackburn Int'l	26
G-MRFX	EMB550	Flexjet	14 FLJ52R	OE-FHA	Ce510	GlobeAir	GAC999N/888N
HA-JEP	Ce650	Jet Stream	JSH300/1	OE-FPP	Ce510	GlobeAir	GAC601T/U
LX-JFX	PC-12/47E	Jetfly Aviation	JFA18C/34L	OE-HUB	Ce750	Bairline	17
OE-FCB	Ce510	GlobeAir	GAC144B/033C	OK-EMA	Ce680	Travel Service	TVS14J/42J
OE-ITH	CL-604	Air Independence		OK-EMA	Ce680	Travel Service	17 TVS43J/24J
OK-PHM	EMB505	CTR Group		OO-ABB	A340-313E	Air Belgium	SLM994/3003
OK-RLV	G280	Avcon Jet		OO-MMT	Ce560XLS	Air Service Liège	2x
OK-XLS	Ce560XLS+	Silesia Air	14 SUA732/741	OY-VIK	Falcon 7X	Air Alsie	17 MMD6851
OO-ABB	A340-313E	Air Belgium	SLM994/3003	SE-RMB	Ce525B	Royalair	28
OO-PRM	Ce510	Air Service Liège		T7-SLXP	PC-12/47	Super Legacy XP	f/v
OO-XLS	Ce560XLS+	Air Service Liège	dep	17.9H-VFB	CL-605	VistaJet Malta	VJT598
SP-CIT	Ce525	Bartolini Air	BNI5T	D-ABUD	B767-330ER	Condor	CFG9427
SP-DOM	Lj60XR	AMC Aviation	AMQ5M	D-ATMJ	CL-604	Air Independence	
YU-PDD	Ce560XLS+	Air Pink		D-CAPO	Lj35A	Jet Executive	JEI454
14.CN-MMR	G550	Morocco Air Force	f/v FRV1315	D-CCVD	Ce560XLS	Atlas Air Service	ATL1D
9H-VCK	CL-350	VistaJet Malta	15 VJT405	D-IAAW	EMB500	Arcus Air	AZE34LU/39LL
9H-VFH	CL-605	VistaJet Malta	15 VJT534	D-IHKW	Ce525	ProAir	18
D-AHOI	ERJ135BJ	Air Hamburg	AHO715X	D-IMHA	Ce525A	MHS Aviation	ELG52A
D-CAWB	Ce680	Aerowest		D-ISGS	AP68TP-600	Svege Flugdienstleistungen	
D-CAWO	Ce560XLS+	Aerowest	15	D-ISGS	AP68TP-600	Svege Flugdienstleistungen	21
D-CHLR	EMB505	Atlas Air Service	ATL9K	D-ITRA	Ce525	Transavia Flug	
D-IWPS	Ce525A	Star Wings	STQ222	G-EODS	A330-343EF	Titan / GEODIS	18 AWC331/141
G-LCAF	ERJ190SR	British Airways	f/v BAW8497/6	G-IPAX	Ce560XL	Air Charter Scotland	EDC298R
M-OBIL	Ce525C	Ulla Popken Fashion		G-KRBN	EMB505	Saxonair	SXN30P
N585GS	G650ER	Solairus Aviation	16	LZ-LVK	B737-3H4	ALK Airlines / Air Lubo	VBB4229/30
OE-FCB	Ce510	GlobeAir	15 GAC033D/918A	M-SEXY	ERJ135BJ	Marvelair	f/v 22
OO-SRO	B737-86N	TUI Belgium	TFL074P/7377	N8AL	G650ER	Charles Patrick	
OO-SRO	B737-86N	TUI Belgium	15 TFL076P/7345	N160QS	Global 6000	Netjets	
OY-LGI	Global 6000	ExecuJet Scandinavia	f/v VMP933	N240LG	Falcon 900EX	Liberty Global	
SP-CIT	Ce525	Bartolini Air	BNI5T	N580JS	EMB500		f/v 19
15.9H-TGR	Ce525B	Hyperion Aviation	16 HYP032	OO-CEJ	Ce525	Air Service Liège	
9H-VCK	CL-350	VistaJet Malta	16 VJT405	OO-PRM	Ce510	Air Service Liège	19
9K-AOD	B777-369ER	Kuwait Airways	f/v KAC127/8	OE-WLD	G500	Blackbird Air	BBB1
D-ABUD	B767-330ER	Condor	CFG9426	SE-RUC	A320-251N	SAS	f/v SAS827/8
D-BEKP	CL-300	Windrose Air	16 QGA079A/080A	VQ-BFS	B737-83NBOCF	Atran	VAS9206
D-BLDI	Ce750	Baden Aircraft	17 BAO163I	YU-PDD	Ce560XLS+	Air Pink	



18.9K-AOJ	B777-369ER	Kuwait Airways	f/v KAC127/8	G-EODS	A330-343EF	Titan / GEODIS	21 AWC142/1
D-CAPB	Ce560	Aerowest		G-FTFX	EMB550	Flexjet	f/v 22 FLJ63T
D-CGER	Ce525B	Excellent Air	ECA31C	G-LCAC	ERJ190SR	British Airways	f/v BAW8455/6
D-CHRA	Ce525C	Eisele Flugdienst	EFD4A	HA-JEV	Ce650	Jet Stream	JSH700/1
D-ITRA	Ce525	Transavia Flug		I-ADJW	ERJ195LR	Air Dolomiti	f/v 21 DLH2310/01
D-IWPS	Ce525A	Star Wings	STQ222	OE-FCB	Ce510	GlobeAir	GAC888P/889U
G-LATO	Ce680A	Zenith Aviation	19 BZE05A	OO-ABB	A340-313E	Air Belgium	SLM994/3003
G-MSFX	EMB550	Flexjet	FLJ51S	OO-PRM	Ce510	Air Service Liège	
G-TTNO	A320-251N	British Airways	f/v BAW442/423	OY-RSE	PC-12/47E	Air Alsie	24
G-VYGK	A330-243	Air Tanker (a/w)	AWC293/093P	SE-RKL	G550	EFS	21 EUW5358
HB-JMI	A340-313E	Swiss	SWR724/5	SE-RLP	Ce525B	Royalair	25
HB-VER	Ce525A	Swiss Private Flights	f/v 19	21.9H-MRV	G500	TAG Aviation Malta	f/v 22
N885AR	G550	Priester Aviation	f/v 19	CS-EFF	Ce560XLS+	Masterjet	LMJ479F
OE-FZC	Ce510	GlobeAir	19 GAC657F/081Y	D-AWOW	ERJ190BJ	Air Hamburg	f/v 23 AHO9426/745C
OK-HAR	Ce560XL	Aero Partner	DFC6CG	D-CDSO	Ce550	Heli-Flight	
OO-EDR	Ce510	Blue Sky Aviation	f/v	D-FOOD	PC-12/47E	Blackbird Air Charter	f/v
YU-PZM	Ce560XLS+	Air Pink		D-IAAR	EMB500	Arcus Air	AZE84KH/89PR
19.9H-JLK	Falcon 7X	TAG Aviation Malta	21	D-IAAR	EMB500	Arcus Air	22 AZE84PR/14KJ
D-AFAN	CL-850	FAI rent-a-jet	iFA6240	D-IDWC	Ce525A	Excellent Air	22 ECA26C
D-AJET	ERJ135BJ	Air Hamburg	AHO887L	D-ISLT	Ce525A	Sylt Air	AWU921K
D-CAGA	EMB505	Pad Aviation	PVD58A/91A	F-HBDX	EMB505	Jetkey	22 KBD216
D-CAWN	Ce680A	Aerowest	20	G-SUGR	ERJ135BJ	Air Charter Scotland	22 EDC307E
D-CAWX	Ce680	Aerowest	21	G-XDEA	DA-42	Tesla Aviation	f/v LDG14
D-CHRG	Ce680A	Hahn Air	20 HHN910/921	LX-FPF	Ce525B	Flying Group Lux	22 FYL42F/63F
D-CMDH	Ce680	Eisele Flugdienst	EFD6H	LX-JFU	PC-12/47E	Jetfly Aviation	22 JFA72D/20Y
D-CSMC	Ce560XLS+	Silver Cloud Air	20 SCR168	LX-SAB	Falcon 900DX	Global Jet Lux	23 SVW56AB
D-IJLJ	Ce525	ProAir	20	M-JCBB	G650	JC Bamford Excavators	2x JCB1
D-IWPS	Ce525A	Star Wings	STQ222	N125XP	BAe125-800XP	Ambrion Aviation	23
F-GSLZ	Falcon 100	Harmony Jets	HMJ208	N192NC	G450		23
G-EODS	A330-343EF	Titan / GEODIS	AWC141	N240LG	Falcon 900EX	Liberty Global	
HA-JEF	Ce650	Jet Stream	f/v JSH600/1	N701DB	G-IV	Prime Jet	22
LX-SCO	Falcon 2000LX	Global Jet Luxembourg	SVW22CO	OK-HAR	Ce560XL	Aero Partner	DFC5BA
N514DN	A350-941	Delta Air Lines	DAL9888/9	OK-IMO	Beech 400A	Airstream	AQS760A/B
OE-HUB	Ce750	Bairline		OK-SLX	Ce560XL	Silesia Air	SUA612/3
OK-UGJ	Ce680	Travel Service	TVS45J/46J	OO-JWB	PC-12/47E	Blue Sky Aviation	
OO-ABB	A340-313E	Air Belgium	SLM3004/993	OO-PRM	Ce510	Air Service Liège	
OO-ACO	Ce510	Air Service Liège		SE-RIL	Ce560XLS	Svenskt Industriflyg	JET7
OO-CEJ	Ce525	Air Service Liège	20	SE-RNR	CL-350	EFS	EUW4012
OO-PRM	Ce510	Air Service Liège	20	TC-RSC	Lj45	Redstar Aviation	RHH076/7
OO-XLS	Ce560XLS+	Air Service Liège	20	VP-BVV	B737-73U	Gainjet Ireland	f/v
P4-BFM	CL-605	Best Fly Worldwide	BFY987R	22.AP-BND	B737-8GJ	Serene Air	f/v 25 SEP1789/90
SE-RFL	Ce680	EFS	20 EUW5357	D-ARYR	Global XRS	ACM Air Charter	BVR101
VQ-BFT	B737-86NF	Atran	VAS8607/9207	D-CAPO	Lj35A	Jet Executive	JEI434
YR-MXC	B737-8	Blue Air	f/v BLA199/200	D-CESA	Ce550	Euro Link	EUL5B
YU-PNK	Ce560XLS+	Air Pink		D-CFHZ	EMB505	DAS Private Jets	
20.D-AHOX	ERJ135BJ	Air Hamburg	21 AHO675T	D-CGER	Ce525B	Excellent Air	23 ECA31C
D-BOOK	Falcon 2000LX	Bertelsmann	2x BFD20K/65H	D-CKNA	Ce525C	Starwings	24 STQ444
D-CAWN	Ce680A	Aerowest	21	D-ISUN	Ce525A	Excellent Air	ECA25C
D-CFHZ	EMB505	DAS Private Jets	21	LY-LTA	BAe125-800XPi	Charter Jets	23 LTC601
D-CKNA	Ce525C	Starwings	STQ444	N8SW	G550	Solairus Aviation	f/v
D-IDWC	Ce525A	Excellent Air	ECA26C	N111QS	Global 5000	Netjets	
F-HCIC	Ce525B	Airairles	EOL600/10	N240LG	Falcon 900EX	Liberty Global	
F-HJSL	Ce525B	Ixair	IXR620J	N600J	G550	Johnson & Johnson	23



Another helicopter used during the Dutch Grand Prix weekend was Lions Air HB-ZQK. The AW139 flew all the way from its home base Zurich to Schiphol just for the occasion. (Amsterdam-Schiphol, 02 September 2021, AdJan Altevogt)

N811TD	G550		f/v	P4-BFW	Global Express	BestFly Flight Support	f/v BFY017P/R
OE-FNP	Ce510	GlobeAir	GAC319G/763Z	SE-RFL	Ce680	EFS	EUW5365
OE-FZE	Ce510	GlobeAir	GAC230Y/192D	SE-RLP	Ce525B	Royalair	27
OO-ABB	A340-313E	Air Belgium	SLM3004/993	SE-RNR	CL-350	EFS	EUW5363
OO-CYN	EMB550	Air Service Liège	23	SX-NIG	A320-251N	Sky Express	f/v SEH7100/1
OO-PRM	Ce510	Air Service Liège		VN-A829	B787-9	Bamboo Airways	f/v arr BAV067
OO-XLS	Ce560XLS+	Air Service Liège	29	27. 9H-VCE	CL-350	VistaJet Malta	VJT474
23. 2-JEZA	Eclipse 500	Channel Jets	f/v	9H-VCF	CL-350	VistaJet Malta	VJT486
9H-ILY	CL-850	VistaJet Malta	VJT450M	9H-VCM	CL-350	VistaJet Malta	VJT431
9H-JLK	Falcon 7X	TAG Aviation Malta	24	9H-VJS	Global 6000	VistaJet Malta	VJT929
9H-VMG	Lj60XR	Hyperion Aviation	f/v 25 HYP029	CS-TFY	A320-232	Masterjet (n/t)	LMJ536Y
D-AJET	ERJ135BJ	Air Hamburg	AHO629D/745W	D-AICD	A320-212	Condor	CFG9180/1
D-CAWR	Ce560	Aerowest		D-BERT	Falcon 2000LX	Bertelsmann	2x BFD27T/65H
D-CMMP	EMB505	Pad Aviation	24 PVD69W/66P	D-CITY	Lj35A	Air Alliance Express	AYY116
D-FOOD	PC-12/47E	Blackbird Air Charter		D-CKHG	Ce560XLS	Windose Air	28 QGA045A/046A
D-IETB	Raytheon 390	Pro Jet	24	EC-KOL	Ce560XL	Gestair	28 GES121L
D-IHKW	Ce525	ProAir	24	G-EODS	A330-343EF	Titan / GEODIS	28 AWC142/1
EC-NLK	B737-81M	Alba Star	24 TRA072/6117	HB-JIN	Falcon 900EX	JABJ	PJS400
EC-NOC	Global 6500	Gestair	f/v GES061C	N600AR	G450		28
F-HANE	P180	Oyonnair	f/v	OE-GXX	Lj40	IJM	28 IJM339
G-MEGN	Beech B200	Dragonfly Aviation	CMB88	OE-HMR	Falcon 2000LX	MHS Aviation	29 MHV20X
G-SPRE	Ce550	Synergy Aviation	SYG2	OH-TFB	PC-12/47NGX	Hendell Aviation	f/v 28
LX-SAB	Falcon 900DX	Global Jet Lux	SVW56AB	OO-ABB	A340-313E	Air Belgium	SLM994/3003
N240LG	Falcon 900EX	Liberty Global		PR-OBE	Falcon 2000LX	DE Participacoes	29
OE-FOE	Ce510	GlobeAir	GAC452W/230Z	S5-CES	Ce525B	United Eagle	
OE-FRJ	Ce525	Pink Sparrow	f/v SOW6	SE-RLP	Ce525B	Royalair	28
OK-SLX	Ce560XL	Silesia Air	SUA631/2	SP-CIT	Ce525	Bartolini Air	29 BNI5T
OO-ABB	A340-313E	Air Belgium	SLM994/3003	TC-KAM	ERJ135BJ	TAV Aviation	f/v 29
OO-JAV	B737-8K5	TUI Belgium	JAF7004	YU-RDA	Ce560XLS+	Air Pink	
24. 9H-VFJ	CL-605	VistaJet Malta	VJT516/450M	YU-SPC	Ce560XLS+	Prince Aviation	28 PNC7PC
CS-TFY	A320-232	Masterjet (n/t)	LMJ463Y	28. D-CGER	Ce525B	Excellent Air	29 ECA31C
D-EQAW	SR22T		f/v	D-CHRB	Ce525C	Hahn Air	29
D-ILUI	Ce525A	ProAir		D-CHRG	Ce680A	Hahn Air	HHN932
D-IPPY	P180	AirGo	XGO3AM/3ZH	D-CXLS	Ce560XLS+	Air Hamburg	29 AHO412F/467F
EC-NLK	B737-81M	Alba Star	TRA6118/9	D-IDAZ	Ce525	DAS Private Jets	
F-HIVA	Ce525	Valljet	VLJ435V	D-FALK	Ce208	Business Wings	JMP221/2
G-EODS	A330-343EF	Titan / GEODIS	AWC143	D-IAAS	EMB500	Arcus Air	AZE64RP/44LV
G-TFFX	EMB550	Flexjet	FLJ63T	D-IBET	Ce525A	ProAir Aviation	
LX-JFR	PC-12/47E	Jetfly Aviation	JFA06H/26C	G-ZNTH	Lj75	Zenith Aviation	BZE07A/B
LZ-LVK	B737-3H4	ALK Airlines / Air Lubo	VBB4229/30	HB-JHL	A330-343E	Swiss	SWR724/5
N44CE	G-IV	Global Air Charters	GJE1021	LX-OLA	ERJ135BJ	Luxaviation	LXA8H
N25982	B787-9	United Airlines	f/v UAL70/1	M-IFFY	Ce510	Xead Aviation	arr
OE-FPP	Ce510	GlobeAir	GAC394V/194B	N750GX	Global 7500	Global Flight	30
OK-OBR	Ce510	Aero Partner	DFC4XM	N884CL	CL-350	Global Flight	30
OK-PFY	Beech 400XT	Time Air	TIE51BF	OE-FZA	Ce510	GlobeAir	GAC246E/863X
OO-PRM	Ce510	Air Service Liège	26	SE-RLP	Ce525B	Royalair	
25. D-CCVD	Ce560XLS	Atlas Air Service	ATL1D	YL-ABD	A220-371	Air Baltic	f/v BTI609/10
D-CEIS	Ce680	Eisele Flugdienst	26 EFD6S	YU-TUU	Ce550	Air Pink	29
EC-NLK	B737-81M	Alba Star	TRA6120/073	29. 9H-VFF	CL-605	VistaJet Malta	VJT551
HB-JMB	A340-313X	Swiss	SWR724/5	D-AOLG	Fokker 100	Avanti Air (a/w)	30 ATV029G/201G
I-AFOI	Raytheon 390	Italfly	26 ITL201	D-AZUR	ERJ135BJ	Air Hamburg	AHO675T/845Z
LX-JFV	PC-12/47E	Jetfly Aviation	26 JFA07J/75C	D-CEMS	Ce525B	Air Hamburg	30 AHO122D/135U
LX-TRO	ERJ135BJ	Luxaviation	f/v 26 LXA26B	D-CJMK	Ce560XLS+	Air Hamburg	30 AHO377A
N155HR	SR22			EC-MLB	A330-202	Iberia	f/v IBE3062/3
N750GX	Global 7500	Global Flight	f/v	G-EODS	A330-343EF	Titan / GEODIS	AWC142/3
N884CL	CL-350	Global Flight	f/v	G-LCAE	ERJ190SR	British Airways	f/v BAW8455/6
OK-UGJ	Ce680	Travel Service	26 TVS79J/36J	HA-JEP	Ce650	Jet Stream	JSH301/7
S5-CES	Ce525B	United Eagle		LX-EVM	Falcon 2000LX	Global Jet Luxembourg	SVW29VM
YL-ABE	A220-371	Air Baltic	f/v BTI617/8	LZ-EGT	EMB505	EGT Jet	f/v EGT401/201
YR-TRC	CL-300	Toyo Aviation	26 TOY249/250A	N240LG	Falcon 900EX	Liberty Global	
26. 9H-VJQ	Global 6000	VistaJet Malta	VJT801	N559FF	G650ER	Solairus Aviation	arr TWY801
D-BJMS	Falcon 50EX	ProJet	30	OE-FUX	Ce525A	Bairline	
D-IAHG	Ce525	Spree Flug		OE-FZC	Ce510	GlobeAir	30 GAC362Y/819E
D-IDAZ	Ce525	DAS Private Jets	27	OK-SLX	Ce560XL	Silesia Air	30 SUA691/601
D-ILWP	Ce525A	Excellent Air	ECA27C	OO-ABB	A340-313E	Air Belgium	SLM3004/993
D-IOVA	Ce525	ProAir	f/v	OO-MST	Ce510	Air Service Liège	
D-IRKE	Ce525	Starwings	STQ666	OO-XLS	Ce560XLS+	Air Service Liège	30
F-HSFJ	Ce680A	Aston Jet	ASJ550	S5-CES	Ce525B	United Eagle	2x
G-EODS	A330-343EF	Titan / GEODIS	AWC142/1	SE-RLP	Ce525B	Royalair	
G-MSFX	EMB550	Flexjet	27 FLJ51S	SE-RMB	Ce525B	Svenskt Industriflyg	30
G-SMSM	Falcon 2000LX	London Exec. Aviation	27 LNX97SM	SP-MRB	Saab 340A	SkyTaxi	30 IGA742/4
LX-SAB	Falcon 900DX	Global Jet Lux	arr SVW56AB	SP-ZSZ	CL-300	Jet Story	JD120B
N515TJ	Beech 400A	Blackburn Int'l	27	YU-PAA	ERJ135BJ	Air Pink	f/v 30
OE-FHK	Ce510	GlobeAir	GAC516T/394W	30. 9H-FCB	Falcon 7X	Albinati Aviation	ULC34
OO-ABB	A340-313E	Air Belgium	SLM3004/993	9H-JCE	HA-420	JetClub	arr JLN56
OO-PKX	Ce750	Air Service Liège		9H-VCA	CL-350	VistaJet Malta	VJT401





Farmaceutical company Gilead Sciences Gulfstream 650ER N585GS is seen here rotating for its flight back to the USA after spending a few days at Schiphol. (Amsterdam-Schiphol, 16 September 2021, René Verschuur)

9H-VCF	CL-350	VistaJet Malta	arr VJT486	PH-JEN	Cirrus SF50	Let's Fly	dep
D-ABEY	CL-605	Imperial Jet Europe	arr JTI303	PH-SAE	PA-44-180	AIS Flight Academy	
D-AIRG	ERJ135BJ	Air Hamburg	AHO745L	08.MM62191	C-130J-30	50° Gruppo TM	*waco22
D-AIRG	ERJ135BJ	Air Hamburg	arr AHO848U	G-781	C-130H	336 sq	*waco21
D-ANCE	ERJ135BJ	Air Hamburg	arr AHO851K	025	C295M	8.BLTr (13.el)	*waco25
D-CARO	Ce680	Aerowest		15-5826	C-130J-30	317th AW	*waco23
D-CAWK	Ce680A	Aerowest	arr	16-5834	C-130J-30	317th AW	*waco24
D-CFHZ	EMB505	DAS Private Jets		CS-PFH	EMB505	NetJets Europe	NJE159B/356U
D-IAFG	Ce525	Glinicke Aviation		D-ISGS	AP-68TP-600	SVEGE Flight Inspection	09
D-IBET	Ce525A	ProAir Aviation		N344AP	G650ER	Air Products & Chemicals	09
D-IDWC	Ce525A	Excellent Air	arr ECA26C	N474CG	SF50 Vision	I-Fly	
EC-NOC	Global 6500	Gestair	arr GES061C	OE-FAR	DA42NG		
F-HPIL	PC-12/47NGX	Getonejet	arr	PH-DTS	DA42	TwinStar Beheer	2x *
HB-JIN	Falcon 900EX	Falcon	PJS400	PH-TWN	P2006T	Zelf Vliegen	*
HB-JSF	CL-650	Scintilla		09.CS-LTH	Ce680A	NetJets Europe	NJE5ZD/547K
LN-ENU	B737-8JP	Norwegian	f/v NAX1258/9	D-CLAY	Do328-110	Private Wings	10 PWF103/276
LZ-EGT	EMB505	EGT Jet	EGT203/402	N12EB	Cirrus SF50		dep
N240LG	Falcon 900EX	Liberty Global		PH-HOW	H145	RAV Fryslân – MAA	medic01
OE-FDT	Ce510	GlobeAir	arr GAC584W	PH-MAS	P68C-TC	Miramap Aerial Surveys	
OE-GPS	Ce550	Tyrol Air Ambulance	TYW846S/847S	PH-MAV	P68C	Miramap Aerial Surveys	
OO-ABB	A340-313E	Air Belgium	SLM994/3003	PH-TWN	P2006T	Zelf Vliegen	
OO-WEG	CL-350	Abelag Aviation	arr AAB991	10.OY-GBC	P2006T	Greybird Aviation	GAG236A
PH-BGW	B737-7K2	ex KLM (a/w)	dep KLM737	PH-CGC	Do228-212	Kustwacht	
SE-RLP	Ce525B	Royalair		11.D-CATZ	Do328-110	Private Wings	PWF276/101
SE-RMB	Ce525B	Svenskt Industriflyg		D-ICCG	Ce525A	ProAir Aviation	
TC-LAA	Ce560	Ziver Air	f/v	12.CS-LTE	Ce680A	NetJets Europe	NJE77H
				CS-PHJ	EMB505	NetJets Europe	13 NJE780D/5FF
				D-FPOL	PC-12/47E	Diepol	
				OY-TCI	A321-211	Sunclass Airlines	VKG4201/9202
				PH-AFS	S.11-1	St. Fokker Four	
				PH-HOG	S.11-1	St. Fokker Four	
				PH-HOK	S.11-1	St. Fokker Four	
				PH-PSI	P-51D	Vliegbedrijf Tom van der Meulen	
				SP-VIS	Cirrus SF50		18
				13.D-CTWO	Lj35A	Air Alliance	AYY108
				OE-FAR	DA42NG		15
				PH-SAE	PA-44-180	AIS Flight Academy	*
				SE-RLP	Ce525B	Royalair	14
				14.OO-PCK	PC-12/47E	European Aviation Private Club	15
				PH-DTS	DA42	TwinStar Beheer	*
				PH-HHJ	AS355F2	Helii Holland Holding	
				15.D-CAPB	Ce560 Encore+	Aerowest	2x
				LX-JFD	PC-12/47E	Jetfly Aviation	JFA06S/07J
				OK-SWW	B737-7Q8	Smartwings	17 TVS4312/434P
				PH-COM	PA-30-160B	DAPA Club	
				TC-REC	G450	REC Aviation	
				16.D-CDSO	Ce550 Bravo	Heli-Flight	
				OY-CAF	P68B		
				17.CS-PHB	EMB505	NetJets Europe	NJE9QL/658T
				D-FABT	TBM-900		19
				OE-FGC	Ce525 (M2)	Fly Tyrol	18 FTY6
				PH-CYP	PC-12/47E	SMT Shipping	
				PH-DTS	DA42	TwinStar Beheer	*
				PH-JEN	Cirrus SF50	Let's Fly	28
				PH-SAE	PA-44-180	AIS Flight Academy	*
				18.D-CAWB	Ce680	Aerowest	20

Vueling Airbus on the 22nd was in basic LEVEL colours with Vueling titles. The Corendon on the 30th was a maintenance visitor. The KLM Boeing on the 29th was ferried to Norwich for painting all white. The aircraft will then be returned to its lessor.

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

### Groningen - Eelde

September 2021			
01.CS-GLG	Global 6000	NetJets Europe	NJE081B/966Y
D-IPCG	Ce425	Aerowest	
G-MRFX	EMB550	Flexjet Ops	FLJ52R
PH-DTS	DA42	TwinStar Beheer	02 2x
PH-TAK	DA42	Happy Landings	
03.D-CCCB	Lj35A	DRF Luftrettung	AMB316
N120RB	Cirrus SF50	APG Aviation	dep
04.PH-MAV	P68C	Miramap Aerial Surveys	05
06.D-ISGS	AP-68TP-600	SVEGE Flight Inspection	07
LN-LOL	Ce208B	Blom Geomatics	07 LED7
N7779V	Beech B200	Etienne Veen	
OO-PAR	Ce525B	Luxaviation Belgium	AAB735
PH-DTS	DA42	TwinStar Beheer	*
PH-SAE	PA-44-180	AIS Flight Academy	
PH-TWN	P2006T	Zelf Vliegen	*
SE-RCA	Lj35A	SAAB	07 TGT03
07.CS-LTK	Ce680A	NetJets Europe	NJE4ZN/717N
D-ISGS	AP-68TP-600	SVEGE Flight Inspection	08
OY-GBC	P2006T	Greybird Aviation	GAG236B/F

D-IAWE	Ce425	Aerowest	20
OE-FGC	Ce525 (M2)	Fly Tyrol	19 FTY6
OK-SWW	B737-7Q8	Smartwings	TVS434F/4313
PH-TDX	DA42NG	Vliegclub Schiphol	
PH-TWN	P2006T	Zelf Vliegen	*
19.OE-GFC	G100	Tyrol Air Ambulance	TYW682
OY-CAF	P68B		
PH-PBA	DC-3C	Dutch Dakota Assoc.	
SE-RLP	Ce525B	Royalair	20
20.ST40	SF260D	CC Air	21 BAF152
ST42	SF260D	CC Air	21 BAF195
ST43	SF260D	CC Air	21 BAF196
ST46	SF260D	CC Air	21 BAF151
ST48	SF260D	CC Air	21 BAF153
D-IPCG	Ce425	Aerowest	
21.D-IRKE	Ce425	Star Wings Dortmund	2x STQ666
PH-RWY	Bo105DBS4	Rotor & Wings	*
22.HB-VPC	Ce525A	Verein Helibiz	
N1753S	GA-8	FSA Aviation	
OY-GSB	PC-12/47	Lulu Aviation	23 FXT12B
PH-RWY	Bo105DBS4	Rotor & Wings	*
23.D-ITRA	Ce525	Transavia Flug	
PH-DTS	DA42	TwinStar Beheer	*
PH-RWY	Bo105DBS4	Rotor & Wings	*
24.D-IOLO	BN-2B-20	OFD (OLT)	*
OY-TCG	A321-211	Sunclass Airlines	VKG9203/4202
PH-HHJ	AS355F2	Heli Holland Holding	
25.CS-LTM	Ce680A	NetJets Europe	26 NJE010T/548D
PH-TDX	DA42NG	Vliegclub Schiphol	
26.ZK550	Chinook HC6	7sq	RFR7161
ZK562	Chinook HC6	7sq	RFR7160
PH-RLB	S-91D	P.L. Musch	
PH-RWY	Bo105DBS4	Rotor & Wings	
27.CS-DXR	Ce560XLS	NetJets Europe	28 NJE852B/4VN
SE-RLP	Ce525B	Royalair	
28.D-IHKW	Ce425	E-Aviation	29
OY-MPV	PA-46-600TP	MPV Management	
PH-HOW	H145	RAV Fryslân – MAA	medic01
PH-LAU	Falcon 900EX	Exxaero	29 XRO654
SE-RLP	Ce525B	Royalair	
29.CS-DXQ	Ce560XLS	NetJets Europe	30 NJE987L/9LB
CS-PHB	EMB505	NetJets Europe	30 NJE381R/9QL
G-COBN	Ce525	Cobain Invest	
N50G	SF50 Vision	Valiair	
OE-XYK	R44	Heli & Co	30
PH-LAU	Falcon 900EX	Exxaero	XRO654
PH-RWY	Bo105DBS4	Rotor & Wings	*
SE-RLP	Ce525B	Royalair	30
30.PH-DTS	DA42	TwinStar Beheer	2x *

The first Cirrus SF50 Vision with Dutch markings was already seen through the windows of the General Enterprises hangar on 23 June 2021. It took to the air for the first time on 7 September 2021.

Credit: GEAS, FlyGRQ.

## Deventer-Teuge

September 2021

01.G-BTKL	Bo105DB4	AirPhot	dep
G-BTKL	Bo105DB4	AirPhot	arr
PH-ZAZ	Beech B200	Zeusch Aviation	dep
02.CS-PHI	EMB505	NetJets Europe	03
OO-HCY	R44	Heli & Co	
PH-HCF	Cabri G2	HeliCentre	
03.PH-HCF	Cabri G2	HeliCentre	
PH-JBR	Ce208B	Paracentrum Texel	dep
PH-LBR	Ce208	Skydive Rotterdam	dep
04.PH-KIO	P2006T	Kavel 10 Aerial Survey	
PH-KTM	R44	HeliAir	
05.OO-SPA	Ce208B	Skydive Spa	09
PH-HCE	R66	HeliCentre	
PH-HCE	R66	HeliCentre	
PH-MAS	P68C-TC	Miramap Aviation	
PH-MAV	P68C	Miramap Aviation	09
06.PH-PXF	EC135P2+	Nationale Politie	
07.OE-FBJ	DA62	Air Ranger	
08.PH-HGB	R44	HeliAir	
PH-KIO	P2006T	Kavel 10 Aerial Survey	13
09.N900FH	TBM-900	HTG Trading	
PA-46-500TP	PA-46-500TP	SCH Aviation	10
RC690B	RC690B	Reni Aviation	arr
PH-ZCZ	Beech B200	Zeusch Aviation	dep
10.D-FQDP	PC-12/47E	Quinta do Paral	12
LN-TMJ	PA-46R-350T	Tollef Henrik Myrvang Jensen	12
PH-ZAZ	Beech B200	Zeusch Aviation	16
11.D-CMOR	EMB505	Star Wings Dortmund	
PH-ECE	EC120B	Heli Holland Holding	
12.N939PA	PA-46-500TP	SCH Aviation	13
OO-SEX	Ce208B	Skydive Spa	17
13.CS-PHO	EMB505	NetJets Europe	14
PH-RBC	EC120B	HeliAir	
15.CS-PHQ	EMB505	NetJets Europe	
N717RD	Ce208B	Deliens	dep
16.PH-LBR	Ce208	Skydive Rotterdam	
PH-ZGZ	Beech C90A	Zeusch Aviation	arr
17.CS-PHM	EMB505	NetJets Europe	18
D-FDJS	Ce208	Skydive Stadtlohn	
D-FONL	An-2T	Classic Wings	18
OO-ATO	Cabri G2	HeliCentre – Diatrans	
18.PH-WMM	Ce525	ASL	23
19.N71SL	H269C	Jan Overveen – Chris Wouters	
PH-FSD	Ce208	Fallschirmsport Damme	21
20.F-GVPH	R44	Heli & Co	27
PH-ZBZ	Beech C90A	Zeusch Aviation	25
PH-ZCZ	Beech B200	Zeusch Aviation	
21.OO-HEY	R44	Heli & Co	
PH-SLC	P68	Slagboom en Peeters	dep
22.PH-ECE	EC120B	Heli Holland Holding	
PH-JSB	EC120B	Heliflight	f/v
PH-LBR	Ce208	Skydive Rotterdam	23



PH-JEN is the only Dutch registered Cirrus SF50 to date. Simen Dorschman took a picture of the aircraft just after take off from Groningen Eelde airport. (07 September 2021)





Real Sociedad chartered Latitude Hub A319, EC-NMO, to fly their team back to San Sebastian the day after the Europa League match against PSV Eindhoven which was held on 16 September. (Eindhoven, 17 September 2021, Bjorn van de Moosdijk)

PH-ZEZ	Beech B200	Zeusch Aviation	dep	10. S-447	AS532U2	300sq	*
23.N980EE	RC695	International Air Services		OY-CRJ	CRJ200LR	Global Reach Aviation	CAT5512
24.CS-PHD	EMB505	NetJets Europe		PH-HCH	EC120B	HeliCentre	
PH-HCJ	Cabri G2	HeliCentre	f/v	11. OO-RKS	Ce510	Air Service Liège	13
27.PH-JBR	Ce208B	Paracentrum Texel	arr	PH-NDK	Falcon 900B	Exxaero	XRO599
PH-JSB	EC120B	Heliflight		12. F-HCEQ	HA-420	E.A.T.I.S.	13
28.F-HPGA	Beech 350i	Emil Frey (Motors) France		LX-FPF	Ce525B	Flying Group Luxemb.	FYL22F/3F
N980EE	RC695	International Air Services	arr	13.146/XR	TBM-700A	ET00.041	CTM3813
OE-FBJ	DA62	Air Ranger		027	C295M	8.BLTr	18 PLF038
PH-HGB	R44	HeliAir		D-CSEB	Ce560XLS+	Adolf Wurth	
29.F-GVPH	R44	Heli & Co		G-MRFX	EMB550	Flexjet Ops	FLJ52R
N22SY	PA-46-350P	Sijben Wooncenter		OY-CRJ	CRJ200LR	Global Reach Aviation	CAT5512
N22SY	PA-46-350P	Sijben Wooncenter		SP-CIT	Ce525	Bartolini Air	BNI5T
30.D-IHLB	Ce402B	Hansa Luftbild	arr	14.0850	Mi-17	243.vrl	Able51-form
PH-JSB	EC120B	Heliflight		146/XR	TBM-700A	ET00.041	
				MM62179/46-44	KC-130J	2° Gruppo TM	19 IAM4680
				D-473	CH-47F	298sq	*Grizzly13, GLV-V
				J-062	F-16AM	312sq	*Bulldog01
				J-641	F-16AM	312sq	*Bulldog02
				Q-14	AH-64DN	301sq	*
				Q-19	AH-64DN	301sq	*
				16-08199	CH-47F	2-1st AVN	Able51-form
				16-08466	CH-47F	2-1st AVN	Able51-form
				YU-PMK	Ce560XLS+	Air Pink	
				15. D-472	CH-47F	298sq	*Grizzly45, GLV-V
				D-CSUN	Ce560XLS+	Air Hamburg	AHO315J
				EC-NMO	A319-115	Latitude Hub	17 PVG1910/200
				OO-ACC	Ce525A	Air Service Liège	16
				OO-ACO	Ce510	Air Service Liège	17
				16. CC-3	C295M	TukiLLv	17 FNF225
				D-473	CH-47F	298sq	*Grizzly41, GLV-V
				J-368	F-16BM	312sq	*Hammer4
				08-5683/RS	C-130J-30	38th AS	HKY77
				D-CAWU	Ce560XLS	Adolf Wurth	17
				F-HCEQ	HA-420	E.A.T.I.S.	
				OE-FRM	Ce510	GlobeAir	GAC153W/983D
				OO-CEJ	Ce525	Air Service Liège	17 2x
				17. D-473	CH-47F	298sq	*Omega1, GLV-V
				84-0096	C-21A	76th AS	Falcon49
				D-IMAH	Ce525A	Mahle	
				OO-EDR	Ce510	Air Service Liège	
				18. 84-0085	C-21A	76th AS	Falcon50
				D-IAAT	EMB500	Arcus Air	AZE89NZ/4NZ
				OO-PKX	Ce750	Air Service Liège	19
				YU-PZM	Ce560XLS+	Air Pink	19
				19. 84-00157	C-12U-3	1-214th AVN	Duke75
				D-ISUN	Ce525A	Excellent Air	ECA25C
				OO-VMF	Ce560XLS+	Air Service Liège	20
				PH-DWA	ERJ145LR	Air Charters Europe	JNL617/1617
				PH-TXA	Ce510	ASL	20
				20. 84-00157	C-12U-3	1-214th AVN	Duke75
				9H-JCE	HA-420	JetClub	JLN56
				OO-PKX	Ce750	Air Service Liège	26

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

## Eindhoven

		September 2021					
01.1x	F-16AM/BM	10w	*BAF451				
D-IEMO	Raytheon 390	Exxaero		16-08199	CH-47F	2-1st AVN	Able51-form
N341AP	Falcon 2000EX	Southern Air Systems	14	16-08466	CH-47F	2-1st AVN	Able51-form
OE-FHA	Ce510	GlobeAir	GAC319E/208F	YU-PMK	Ce560XLS+	Air Pink	
OK-KIN	Ce525B	Aero Partner	DFC73Q	15. D-472	CH-47F	298sq	*Grizzly45, GLV-V
OO-MST	Ce510	Air Service Liège		D-CSUN	Ce560XLS+	Air Hamburg	AHO315J
02. EC-NLJ	A321-231	Privilege Style	PVG345P/3445	EC-NMO	A319-115	Latitude Hub	17 PVG1910/200
OE-FHA	Ce510	GlobeAir	GAC208G/023A	OO-ACC	Ce525A	Air Service Liège	16
OO-PKX	Ce750	Air Service Liège	dep	OO-ACO	Ce510	Air Service Liège	17
03.2x	AH-64DN	301sq	Apache23,42	16. CC-3	C295M	TukiLLv	17 FNF225
4O-AOB	ERJ195LR	Air Montenegro (a/w)	05 MNE2400/1	D-473	CH-47F	298sq	*Grizzly41, GLV-V
04.11-5748	C-130J-30	317th AW	19 RCH425	J-368	F-16BM	312sq	*Hammer4
15-5826	C-130J-30	317th AW	19 RCH184/174	08-5683/RS	C-130J-30	38th AS	HKY77
05.025	C295M	8.BLTr	10 PLF038	D-CAWU	Ce560XLS	Adolf Wurth	17
16-5834	C-130J-30	317th AW	19 RCH411	F-HCEQ	HA-420	E.A.T.I.S.	
D-CARO	Ce680+	Aerowest		OE-FRM	Ce510	GlobeAir	GAC153W/983D
EC-NLJ	A321-231	Privilege Style	PVG3446/346P	OO-CEJ	Ce525	Air Service Liège	17 2x
OO-CYN	EMB550	Air Service Liège		17. D-473	CH-47F	298sq	*Omega1, GLV-V
OO-PKX	Ce750	Air Service Liège	08	84-0096	C-21A	76th AS	Falcon49
OO-VMF	Ce560XLS+	Air Service Liège	06	D-IMAH	Ce525A	Mahle	
06. ST46	SF260D	CC Air	*BAF151	OO-EDR	Ce510	Air Service Liège	
MM62191/46-57	C-130J-30	50° Gruppo TM	10 IAM4680	18. 84-0085	C-21A	76th AS	Falcon50
D-481	CH-47F	298sq	*Grizzly45, GLV-V	D-IAAT	EMB500	Arcus Air	AZE89NZ/4NZ
F-HLTT	HA-420	E.A.T.I.S.	07	OO-PKX	Ce750	Air Service Liège	19
07. ST41	SF260D	CC Air	*BAF195	YU-PZM	Ce560XLS+	Air Pink	19
D-ISUN	Ce525A	Excellent Air	ECA25C	19. 84-00157	C-12U-3	1-214th AVN	Duke75
OO-ACO	Ce510	Air Service Liège	08	D-ISUN	Ce525A	Excellent Air	ECA25C
08. CC-3	C295M	TukiLLv	FNF216	OO-VMF	Ce560XLS+	Air Service Liège	20
D-JOA	Ce525A	Excellent Air	09 ECA28C	PH-DWA	ERJ145LR	Air Charters Europe	JNL617/1617
OE-LUC	G650	Global Jet Austria	GLJ94UC	PH-TXA	Ce510	ASL	20
OO-ACC	Ce525A	Air Service Liège	09	20. 84-00157	C-12U-3	1-214th AVN	Duke75
09.197/64-HE	CN235M-300	ET03.062	CTM3550	9H-JCE	HA-420	JetClub	JLN56
D-481	CH-47F	298sq	*3x Omega1	OO-PKX	Ce750	Air Service Liège	26

PH-NNX	Ce750	JetNetherlands	JNL111
21. CH12	C-130H	20sq	*BAF672
G-MSFX	EMB550	Flexjet Ops	FLJ51S
OK-AOA	CL-300	CTR Group	
PH-DWA	ERJ145LR	Air Charters Europe	JNL1617/0617
YU-PBB	Ce560XLS+	Air Pink	
22. <u>1x</u>	AH-64DN	301sq	*Bat71
G-MRFX	EMB550	Flexjet Ops	FLJ51S/2R
OE-FOG	Ce510	GlobeAir	GAC782J/286W
23. CS-PHO	EMB505	NetJets Europe	NJE455M/776F
HA-LUA	Beech 400XP	Fly Coop	FCA3UA/4UA
OE-FOE	Ce510	GlobeAir	GAC904H/782K
OO-CCJ	Ce525	Air Service Liège	
24. LX-LAA	Lj45	Luxembourg Air Rescue	LRQ486F
OO-EDR	Ce510	Air Service Liège	
PH-LAU	Falcon 900EX	Exxaero	XRO587
25. D-IPCG	Ce425	Aerowest	
F-HGPG	Ce525	Valljet	26 VLJ187Y
26. CS-CHA	CL-350	NetJets Europe	NJE992Q/162Y
OO-PKX	Ce750	Air Service Liège	28
PH-LAU	Falcon 900EX	Exxaero	27 XRO587/659
27. <u>33/XA</u>	TBM-700A	ET00.043	
L-13	PC-7	131EMVOsq	*Diamond14
S-447	AS532U2	300sq	*Wildcat03
27. D-CSOS	Lj45	Jetcall	28 JCL1
OO-VMF	Ce560XLS+	Air Service Liège	
YU-PAA	ERJ135BJ	Air Pink	
28. I-KERE	Falcon 2000	Leader	LSA201/2
OO-PKX	Ce750	Air Service Liège	30
YU-TBA	Ce560XLS+	Air Swisslion	
29. D-IAAS	EMB500	Arcus Air	AZE19PJ/14PJ
OK-TVS	B737-86N	Smartwings	TVS432P/4322
OO-VMF	Ce560XLS+	Air Service Liège	
OO-XLS	Ce560XLS+	Air Service Liège	
OY-VLT	PC-12/47E	Air Alsie	MMD6774
PH-CDH	B737-86J	Corendon Dutch Airl.	CND927P/9297
30. F-HENE	HA-420	E.A.T.I.S.	
LX-LXX	G650	Global Jet Luxembourg	SVW42LX

September months at Eindhoven bring Falcon Leap exercise and transport visitors from various winds. This year is no exception as three Dyess AFB 317th AW/AMC C-130J-30 crossed the pond through Bangor and Prestwick into Eindhoven for two weeks deployment. PPolish CASA 295s and a Italian Hercules complete this year's list of military participants. From 336sq G-273 and G-781 flew along in the Wacomissions (first week) and Able-missions (second week). Civilian support came from German M-28s and one Pink Air Skyvan.

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

Credits: EWAS, Oscar Sannen, Scramble MB.

### Gilze-Rijen

September 2021			
03. D-667	CH-47D	298sq	arr Grizzly01
S-419	AS532U2	300sq	arr Wildcat02
14. D-103	CH-47D	298sq	final flight
22. S-444	AS532U2	300sq	dep
S-454	AS532U2	300sq	dep
S-456	AS532U2	300sq	dep
27. Q-08	AH-64DN	301sq	dep NAF11-form
Q-16	AH-64DN	301sq	dep NAF11-form
Q-22	AH-64DN	301sq	dep NAF11-form
Q-24	AH-64DN	301sq	dep NAF11-form
Q-26	AH-64DN	301sq	dep NAF11-form
28. D-102	CH-47D	DMO/298sq	dep Grizzly34

In September 2021 the runway repairs are still ongoing and many local units are on training deployment throughout Europe. The Chinook/Cougar formation on 3 September returned from Laupheim for the weekend. D-103 made its final flight in active service on 14 September. Three Cougars left Gilze-Rijen on 22 September for Schweslig to refuel and ended in Aalborg Denmark for training. The five Apaches

on 27 September where noted near Fassberg as their were part of Green Griffin 2021. On 28 September D-102 departed for Woensdrecht for its retirement. This leaves 298sq with only 3 Delta Chinooks in active service (D-101, D-665, D-667) however these frames are also expected to retire before December 2021.

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

Credits: Gilze Rijen Aviation Society, Scramble MB.

### De Kooy

September 2021			
09. RN03	NH90-NFH	40sq	Trident03
PH-XXV	B-25N	SKHF	*
13. J-632	F-16AM	312sq	*Metal01
J-871	F-16AM	312sq	*Metal02
22. EI-GCR	AW189	Weststar EU	dep
27. 89+63	Sea King Mk41	MFG5	GNV4800
0264	AW101 Mk612	330skv	NOW330A
28. G-273	C-130H-30	336sq	

The Irish AW189 is former Weststar Aviation 9M-WST, this helicopter spent some weeks inside the hangars at Den Helder prior to its deployment in Africa to support oil offshore operations. The helicopter departed Den Helder for Colmar in France, and continued to Turin, Italy, slowly making its way southbound. The Sea King and AW101 where heading towards Koksijde for the SARmeet 2021.

Local 860sq NH90-NFHs that have been active (flying) this month are N-110, N-164, N-227, N-326.

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

September 2021			
01. N190TC	MQ-9B	General Atomic	*
03. 166694	C-40A	VR-56	CNV6604
ES-NSH	Saab 2000	Nyxair	NYX758
07. D-ISGS	AP68TP	SVEGE	
SE-DXP	Sk35C	Swedic Historical Flight	
SE-RMD	J32D	Swedic Historical Flight	
10. PH-CGC	Do228-212	Kustwacht	*NCG03
90-0818/SP	F-16CM	480th FS	17 Warhawk01/Weasel1
90-0828/SP	F-16CM	480th FS	17 Warhawk02/4
90-0833/SP	F-16CM	480th FS	17 Warhawk03/1
91-0344/SP	F-16CM	480th FS	17 Warhawk04/2
91-0360/SP	F-16CM	480th FS	17 Warhawk15/Weasel2
96-0080/SP	F-16CM	480th FS (C/O mks)	17 Warhawk16/3
SE-DXP	Sk35C	Swedic Historical Flight	
SE-RMD	J32D	Swedic Historical Flight	
13. F-GUKC	Grob 120A	EADS	15 FAF6524
14. J-062	F-16AM	312sq	*Bulldog01
J-641	F-16AM	312sq	*Bulldog02
15. 165835	C-40A	VR-57	CNV6615
16. FA123	F-16AM	10w	*AL01
FA131	F-16AM	10w	*AL02
J-014	F-16AM	312sq	dep Diana
17. FA81	F-16AM	10w	dep BAF502
FA127	F-16AM	10w	dep BAF503
FA132	F-16AM	2w/10w	dep BAF501
FA135	F-16AM	2w/10w	dep BAF504
J-514	F-16AM	312sq	dep Crack01
J-515	F-16AM	312sq	dep Bulldog01
20. FB23	F-16BM	10w/OCU	*BAF451
21. LX-N90447	E-3A	NAEW&CF	*Nato40
22. CH12	C-130H	20sq	BAF672
30+62	EF2000	TLG73	arr GAFS20A
30+66	EF2000	TLG73	arr GAFS22A
31+02	EF2000	TLG73	arr GAFS22B
31+09	EF2000	TLG73	arr GAFS21A



31+11	EF2000	TLG73	arr GAFS21B
31+20	EF2000	TLG73	arr GAFS20C
31+35	EF2000	TLG73	arr GAFS20B
31+50	EF2000	TLG73	arr GAFS21C
44+69	Tornado IDS	TLG51	arr GAFM53
45+20	Tornado IDS	TLG51	arr GAFM55
45+35	Tornado IDS	TLG51 (TLG33 mks)	arr GAFM56
45+39	Tornado IDS	TLG51	arr GAFM54
46+40	Tornado ECR	TLG51	arr GAFM56
46+57	Tornado ECR	TLG51	arr GAFM51
5149	F-35A	332skv	arr NOW332A
5206	F-35A	332skv	arr NOW332B
5207	F-35A	322skv	dep NOW332B
5208	F-35A	332skv	dep NOW332A
23.J-014	F-16AM	312sq	arr Bulldog1
J-514	F-16AM	312sq	arr Bulldog2
J-515	F-16AM	312sq	arr Bonzo2
24.FA81	F-16AM	10w	arr BAF521
FA91	F-16AM	2w	arr BAF251
FA127	F-16AM	10w	arr BAF511
54+07	A400M	L7G62	arr GAF413
J-006	F-16AM	312sq	arr Crack02
J-017	F-16AM	312sq	Bonzo2
J-062	F-16AM	312sq	arr E/L Crack01
J-146	F-16AM	312sq (nmks)	arr Judge1
J-879	F-16AM	312sq (322sq mks)	arr Bonzo1
27.G-273	C-130H-30	336sq	arr Devil01
28.FA132	F-16AM	2w	arr BAF261
FB22	F-16BM	2w	BAF262
29.F-020	F-35A	322sq	del NAF322
J-020	F-16AM	312sq	Tiger53
30.FA70	F-16AM	2w	arr BAF231
FB22	F-16BM	2w	BAF232
31+51	EF2000	TLG31	GAFK31

The WIC 2021 course keeps rolling and gathers the majority of Leeuwarden movements in September once more. However we start this month with the Sky Guardian UAV platform performing an overflight, arriving from Waddington as part of exercise Sky Guardian. Both US Navy Clippers are related to support Navy exercise Sandy Coast 2021 held at the Eemshaven area. The Estonian Saab 2000 brought a new crew rotation for the Norwegian delegation. The Sweden Historical Flight visited the Jersey air show once more with their Draken dual seat and Lanser who refuelled on their way into Jersey and on their return trip back home. The detachment of six 480th FS Warhawks was also part of the WIC as SEAD training was part of this segment. The French Grob 120 also visited in support of the WIC, making it one of the smallest visitors this year. On 22 September another German delegation of Schleswig TLG51 Tornados and Laage TLG73 Eurofighters arrived, also related to the WIC. The following day Belgian and Dutch F-16s arrived for another rotation with the German A400M and Dutch C-130H-30 acting as slow moving transport assets. On 29 September yet another F-35A

was delivered to 322sq, number twelve delivered to Leeuwarden and number twenty in the total inventory.

Credits: Movements AGL, Oscar Sannen, Dirk Visser and Scramble MB.

## Volkel

			September 2021
03.FB23	F-16BM	10w/OCU	*BAF451
04.J-006	F-16AM	312sq (322sq mks)	Fist03
J-055	F-16AM	312sq	Fist01
J-062	F-16AM	312sq	Fist02
J-146	F-16AM	312sq	Fist04
J-197	F-16AM	312sq (nmks)	Fist05
06.FB23	F-16BM	10w/OCU	*BAF451
07.S-442	AS532U2	300sq	*
13.0850	Mi-17	243.vrl	17 CEF808
16-08199	CH-47F	2-1st AVN	17 R08199-form
16-08466	CH-47F	2-1st AVN	17 R08199-form
G-KAXF	Hunter F6A	DHHF	arr
15.J-013	F-16AM	312sq	arr Cowboy02
J-060	F-16AM	312sq	arr Cowboy01
17.FB24	F-16BM	10w/OCU spec mks)	*BAF415
20.J-368	F-16BM	313sq	arr NAF625
22.Q-30	AH-64DN	301sq	*6x
24.Q-14	AH-64DN	301sq	Bat73
Q-29	AH-64DN	301sq	Bat71
30.ET-197	F-16BM	FWS	DAF1307
J-003	F-16AM	312sq	dep Ivan12
J-368	F-16BM	313sq	tst Cowboy01
J-632	F-16AM	312sq	dep Ivan11
J-644	F-16AM	312sq	dep Ivan14
J-871	F-16AM	312sq	dep Ivan13
Q-13	AH-64DN	301sq	Bat71

The F-16 formation on 4 September was performing the annual Roermond flightpast, with Fist05 being the airspare. From 13 September a Czech Mil Mi-17 and two US Army CH-47F resided at Volkel for Falcon Leap. The Hip was noted departing eastbound on 17 September, it is assumed both Chinooks did the same on that date as this was listed as end date for the exercise. The Hawker Hunter arrived from Kleine Brogel after the Sanicole show. J-368 arrived from Aalborg Denmark on 20 September with a returning Danish dual visit on 30 September. The Ivans departed on their mission against WIC participants at Leeuwarden and returned later that afternoon.

Credits: movements@sgvolkel.nl, SG Volkel message board, Scramble message board.

## Woensdrecht

			September 2021
02.S-454	AS532U2	300sq	*Wolfhound02
03.HS-MVS	B737-8Z6	Royal Thai AF	arr VMS10
OE-FGC	Ce525(M2)	Fly Tirol	FTY6



Fokker 70 2-HJCH arrived at Woensdrecht on 24 September after spending a few years in the Carriibbean. (Woensdrecht, 24 September 2021, Ralph Hamaker)

06.PH-HXM	B737-800	Transavia	dep TRA052
10.VQ-BXS	A320-214	GECAS/Avianca	tst
14.S-456	AS532U2	300sq	*Demon4
15.J-013	F-16AM	312sq	dep Cowboy-form
J-060	F-16AM	312sq	dep Cowboy-form
20.D-473	CH-47F	298sq	*Grizzly41
Q-13	AH-64DN	301sq	*Apache33,41
Q-30	AH-64DN	301sq	*Apache13
21.D-ISGS	AP68TP	SVEGE	22
22.VQ-BXS	A320-214	GECAS/Avianca	dep
24.2-HJCH	Fokker 70	Airline Fleet Support	arr SXI2146
28.D-102	CH-47D	DMO/298sq	arr Grizzly34
29.N-110	NH90-NFH	860sq	Neptune12
OY-JTP	B737-79L	Jet Time	arr JTD9001

The Royal Thai B737 arrived from Munich for some TLC at Fokker Aircraft Services. The Fly Tirol Citation M2 was performing a medevac flight. SVEGE brought in their Viktor AP68TP for calibration duties on 21 and 22 September. Avianca received a new A320 on 22 September, currently flying as N958AV. This airframe was stored at Woensdrecht since 13 September 2019. On 24 September a former InselAir/InselAir Aruba Fokker 70 arrived from the Caribbean after spending significant time in storage as the airline went bust in 2017.

Credits: Johan Havelaar, Scramble MB.

## Twente

September 2021			
01.CS-PHJ	EMB505	NetJets Europe	NJE497C/050C
PH-GWS	Falcon 7X	Exxaero	10 XRO505/584
02.CS-PHL	EMB505	NetJets Europe	NJE699L/105M
PH-IWS	Falcon 7X	Exxaero	dep XRO604
T7-PBL	PC-12/47E	Fly 7 Executive Aviation	f/v 03
04.PH-RBC	EC120B	HeliAir	
06.CS-DXV	Ce560XLS	NetJets Europe	NJE395E/690T
PH-IWS	Falcon 7X	Exxaero	13 XRO604/621
08.CS-PHF	EMB505	NetJets Europe	NJE495B/159P
09.CS-PHH	EMB505	NetJets Europe	NJE480N/050B
CS-PHM	EMB505	NetJets Europe	NJE593B/221D
10.CS-DLF	Falcon 2000EX	NetJets Europe	NJE814M/605Q
11.D-HUBA	Enstrom F28A	StarTrade heli	tdy 19
PH-ECE	EC120B	Heli Holland Holding	
15.CS-DXR	Ce560XLS	NetJets Europe	NJE530A
16.CS-PHQ	EMB505	NetJets Europe	NJE604W/051W

17.CS-DLJ	Falcon 2000EX	NetJets Eur.	f/v 18 NJE364Q/954B
19.CS-DXG	Ce560XLS	NetJets Europe	NJE279D/972G
20.CS-PHG	EMB505	NetJets Europe	NJE724C/722P
D-ABTL	B747-430	Lufthansa	dep DLH9921
PH-IWS	Falcon 7X	Exxaero	XRO571
22.CS-DXF	Ce560XLS	NetJets Europe	NJE248N/077R
23.CS-PHO	EMB505	NetJets Europe	NJE980Q/743D
PH-HCJ	Cabri G2	Helicentre	
PH-PXX	AW139	Nationale Politie	*ZXP24
25.PH-IWS	Falcon 7X	Exxaero	28 XRO571/603
27.D-CMMP	EMB505	Pad Aviation	28 PVD42B/59C
28.D-CHAT	Ce525B	E-Aviation	f/v 2x EFD3T f/v
D-CMMP	EMB505	Pad Aviation	PVD59C/54E
PH-LAB	Ce550	TU Delft - NLR	29
29.CS-DXR	Ce560XLS	NetJets Europe	NJE658A/012P
30.CS-PHF	EMB505	NetJets Europe	NJE731B/257K
PH-GWS	Falcon 7X	Exxaero	XRO584/633
PH-LAB	Ce550	TU Delft - NLR	

The last Lufthansa Boeing 747 in storage at Twente departed on the 20th. The Police helicopter on the 23rd performed a low approach. On the 28th the NLR Cessna performed six approaches before landing at thhe airport and departing the next day.

Credit: EHTW spotters.

## Flamingo (Bonaire, Dutch Caribbean)

			September 2021
03.HI1052	ERJ145ER	Sky High Aviation	
N578CJ	Ce525	Central Charter De Colombia	
04.ZS-JNE	Ce421		arr
07.PS-BMD	Lj31A	Brasil Vida Taxi Aereo	
08.N578CJ	Ce525	Central Charter De Colombia	
10.HI1052	ERJ145ER	Sky High Aviation	
N560SW	EMB120ER(F)	Ameriflight	
PH-FBH	AW139	DCCG	
14.N876RA	Ce560XL	Parminter Investments	15
16.N651MK	Sabre 65	My Jet	
17.HI1053	ERJ145ER	Sky High Aviation	
N566SW	EMB120ER(F)	Ameriflight	
18.N470PR	Beech A100	Prinair	
N777SJ	Falcon 7X	Jon L. Stryker	26
24.HI1052	ERJ145ER	Sky High Aviation	
HI955	Ce560XLS	Helidosa	
N560SW	EMB120ER(F)	Ameriflight	
25.D-ASIM	Falcon 7X	Air Hamburg	26 AHO9393



Enstrom F28A D-HUBA is one of the more than 1,200 built Enstrom F28 and variants. The original design of the helicopter dates back to the 1960s and was produced by Enstrom from 1965 onwards. (Twente, 19 September 2021, Arjen Vonk)





Seen taking-off from Curacao back to Brasil is Legacy 500 PP-JJA. (26 September 2021, Larry Every)

**Air Antilles:**

F-OIXD: 15, 29 F-OIXH: 22

**American Airlines:**

N701UW: 01 N9017P: 29  
 N705UW: 11 N9018E: 15  
 N711UW: 04, 18 N9021H: 22  
 N733UW: 25 N9023N: 08

**Delta Air Lines:**

N839DN: 25 N866DN: 11  
 N856DN: 04 N925DZ: 18

**TUI:**

PH-TFK: 01, 05, 10, 13, 14, 19, 22, 24, 26, 30  
 PH-TFL: 02, 04, 08, 09, 12, 15, 18, 23, 25  
 PH-TFM: 03, 06, 07-09, 11, 16, 17, 20, 21, 27, 28, 29

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

On the 4th a Cessna that was very far from home, arriving from Guyana. A TUI B787 broke down on the 7th and departed again on the 9th. The Brasilia on the 10th operated for Ameriflight from and to Curacao and visited almost weekly since. The Fast Delivery Services Piper couldn't be seen anymore however. In between a great old Sabre bizzjet. The 18th brought a Beech 100 in beautiful Prinair colors, it came from St Eustatius and left for Santo Domingo.

Credit: Danny de Kiewit.

**Hato (Curaçao, Dutch Caribbean)**

September 2021			
01. HI1052	ERJ145ER	Sky High Aviation	SHH403/4
HK-5357	B737-4K5(F)	AerCaribe	ACL864/5
N9456T	Beech 350C	Heritage Aviation Management	
PH-CGB	DHC-8-106	Caribbean Coast Guard	CG82
02. 2-HJCH	Fokker 70	Airline Fleet Support (a/w)	
HK-5139	B737-476(F)	AerCaribe	ACL864/5
N691ES	Ce560 Ultra	Aitheras Aviation Group	PXG691
03. HK-4891	Lj31A	Fund. Card. de Colombia	
HK-5197	B737-476(F)	AerCaribe	ACL864/5
PP-SVG	Ce680	Orel Geracao de Energia	
04. HK-5197	B737-476(F)	AerCaribe	ACL1153/4
09. N991HA	DHC-8-202	645 AESG (a/w)	BAT91
11. HI1052	ERJ145ER	Sky High Aviation	SHH651/790
HI1052	ERJ145ER	Sky High Aviation	SHH792/3
HI1052	ERJ145ER	Sky High Aviation	SHH794/5
HK-5197	B737-476(F)	AerCaribe	ACL1154/3
HK-5357	B737-4K5(F)	AerCaribe	ACL864/5
VP-CIX	B737-8	Cayman Airways	CAY8050/1
YV2923	MD-82	LASER	LER9956/7
12. HI955	Ce560XLS	Helidosa	
HI1052	ERJ145ER	Sky High Aviation	SHH940/1

HI1058	CRJ200ER	Air Century	CEY151/2
HI1058	CRJ200ER	Air Century	CEY752/3
N304AG	Saab 340B	EZ-Air	
N876RA	Ce560XL	AvTran	
PP-JJA	EMB550	Albatro Empr. e Participacoes	
13. 9Y-TTB	ATR72-212A	Caribbean Airlines	BWA8436/7401
HK-5255	Lj45	SARPA	
N250JS	Beech 250	Sandals Resorts	14
N55SK	Ce525	Sierrakilo	
14. 9Y-TTB	ATR72-212A	Caribbean Airlines	BWA7400/8401
15. 9Y-TTB	ATR72-212A	Caribbean Airlines	BWA8400
HI1058	CRJ200ER	Air Century	CEY151/2
N969GC	EMB505	Bancolumbia	
16. 9Y-TTB	ATR72-212A	Caribbean Airlines	BWA8401
17. OO-JDL	B787-8	TUI Belgium	JAF922F/9200
PR-NIO	ERJ135BJ	Papalima Patromonial	
18. 2-HJCH	Fokker 70	Airline Fleet Support (a/w)	SXI2146
9Y-TTC	ATR72-212A	Caribbean Airlines	BWA7401/8437
HI1053	ERJ145ER	Sky High Aviation	SHH790/4
HK-5139	B737-476(F)	AerCaribe	ACL864/5
HK-5197	B737-476(F)	AerCaribe	ACL1154/3
VP-CIX	B737-8	Cayman Airways	CAY8050/1
19. HK-5239	B727-223(F)	Aérosucre Colombia	KRE175
N809QS	Ce700	NetJets	EJA809
20. G-NIKO	A321-211(F)	Titan Airways	AJT8132
HK-5239	B727-223(F)	Aérosucre Colombia	KRE185
21. HK-4504	B727-2J0(F)	Aérosucre Colombia	KRE175/85
N700QS	CL-350	NetJets	EJA700
22. 2-HJCH	Fokker 70	Airline Fleet Support (a/w)	SXI2146
HK-5239	B727-223(F)	Aérosucre Colombia	KRE175/85
23. HK-5197	B737-476(F)	AerCaribe	ACL1172/1
24. HK-5197	B737-476(F)	AerCaribe	ACL1172/1
25. HK-5139	B737-476(F)	AerCaribe	ACL864/5
HK-5357	B737-4K5(F)	AerCaribe	ACL1153/4
27. HK-4636	B727-2S2F	Líneas Aéreas Surameric.	LAU334/3
N25KZ	Falcon 2000	Kos Air	
N275DJ	G-IV	Ragtime Investments	
29. 9Y-TTA	ATR72-212A	Caribbean Airlines	BWA8400
G-NIKO	A321-211(F)	Titan Airways	AJT8132
HI1058	CRJ200ER	Air Century	CEY151/2
N264C	Falcon 900LX	International Aviation Holdings	
N556PM	DHC-8-202	645 AESG (a/w)	dep tdy BAT56

The Fokker on the 2nd was logged during an engine test. The aircraft departed on the 18th but returned with a tech issue. The Fokker finally departed for Woensdrecht on the 22nd. Sir Richard Branson visited the Sea Aquarium on the 27th and used the Kos Air Falcon for transportation.

Credit: Larry Every.

# Movements Belgium



Air Hamburg Private Jets owns a fleet of 21 Legacy's and all of them has a different colorscheme. EMB135BJ D-ANCE is one of them and was delivered in June 2020 (Antwerp, 12 September 2021, Walter Van Brempt)

## Antwerp

September 2021				OO-ACC	Ce525A	Air Service Liège	
				OO-JOE	R44	J & G	2x
				PH-CGC	Do228-212	Kustwacht	
01.ST40	SF260D	CC Air		08.RN02	NH90-NFH	1w	
D-EJHF	PA-46-350P	API Aviation & Consulting	f/v	CS-DOL	Ce525B	Valair	
F-GUPE	Beech 1900D	Twin Jet		D-CAHO	Ce560XLS+	Air Hamburg	09
F-HFTV	Beech 200	Aero Sotravia	tst	D-IGVA	Ce525	Luxaviation Germany	
HB-LUZ	P68C	Swiss Flight Services	03	LX-AND	PC-24	Flying Group Luxembourg	20
PH-TXA	Ce510	ASL	02	OO-ACC	Ce525A	Air Service Liège	
02.D-CFTG	Lj35A	Quick Air		OO-ACO	Ce510	Air Service Liège	09
D-CHAT	Ce525B	E-Aviation	f/v	OO-GLM	Ce680	Air Service Liège	09
F-HFTV	Beech 200	Aero Sotravia	tst	OO-JOE	R44	J & G	10
LN-KPL	PA-34-200T	R. Landberg	f/v	PH-VBG	Falcon 2000EX	JetNetherlands	09
OO-GEE	PC-12/47E	Blue Sky Aviation	08	09.M-ARTY	PC-12/47E	Creston (UK)	
OO-PKX	Ce750	Air Service Liège		OO-PCM	PC-12/47E	EAPC	
OO-STE	AS350B3e	Stephex Stables		PH-DWS	ERJ135LR	Air Charters Europe	11
PH-PWW	DA62	PORT Aviation	f/v	10.ST02	SF260M+	CC Air	
03.D-CROG	EMB505	Air Hamburg		9H-TGR	Ce525B	Hyperion Aviation	
F-HFTV	Beech 200	Aero Sotravia	tst	9H-WIT	PC-12/47E	NextGen Aviation	13
OK-AOA	CL-300	CTR Group		D-IAAS	EMB500	Arcus Air	11
OO-IDE	Ce525	Air Service Liège	06	LX-FLJ	PC-12/47NGX	Jetfly Aviation	
OO-PCK	PC-12/47E	EAPC		N194ED	PA-46R-350T	Edito	dep
PH-DFD	DA42	Bluetail Flight School		OO-ACC	Ce525A	Air Service Liège	13
04.CS-DVH	Ce525B	Valair		OO-KTN	A109S	Katoennatie	
CS-PHF	EMB505	NetJets Europe		PH-VBG	Falcon 2000EX	JetNetherlands	
F-HFTV	Beech 200	Aero Sotravia	tst	11.CS-DVH	Ce525B	Valair	12
LX-JDV	Ce525 (M2)	Flying Group Luxembourg		D-CAGA	EMB505	Luxaviation Germany	12
OK-GRX	Global 6000	Eclair Aviation	f/v 04	OO-PCJ	PC-12/47E	EAPC	12
05.F-GUPE	Beech 1900D	Twin Jet	06	OY-MNS	P68C	Bio-Flight	12
HB-LUA	P68C	Swiss Flight Services	08	12.9H-TGR	Ce525B	Hyperion Aviation	13
HB-LUZ	P68C	Swiss Flight Services	06	D-ANCE	ERJ135BJ	Air Hamburg	f/v
LX-FLJ	PC-12/47NGX	Jetfly Aviation	f/v	D-CAWO	Ce560XLS+	Aerowest Flugcharter	
LX-JDV	Ce525 (M2)	Flying Group Luxembourg	07	D-IJOA	Ce525A	Excellent Air	13
OO-MBP	PC-24	EAPC	06	F-HVLJ	Ce525A	Valljet	
OO-PCK	PC-12/47E	EAPC		G-FTFX	EMB550	Flexjet	13
OO-PKX	Ce750	Air Service Liège		G-JOTR	BAe146-RJ85	JOTA Aviation	
OO-STE	AS350B3e	Stephex Stables		G-JOTS	BAe146-RJ100	JOTA Aviation	12
06.ST46	SF260D	CC Air		LX-JDV	Ce525 (M2)	Flying Group Luxembourg	
HB-GLB	Beech B200	Swiss Flight Services	08	OO-ACO	Ce510	Air Service Liège	14
OE-EMG	TBM-930	Goldeck Textil	f/v	OO-ESV	SV-4B	L. Cousement	
OK-OKV	PA-42-720	Air Bohemia		PH-DWC	ERJ135LR	Air Charters Europe	
OO-ACO	Ce510	Air Service Liège	07	13.D-CAWO	Ce560XLS+	Aerowest Flugcharter	
OO-STX	EC120B	Ilpam		D-CGER	Ce525B	Excellent Air	16
PH-DWC	ERJ135LR	Air Charters Europe	09	G-BWVZ	DHC-1	D. Champion	
PH-TXA	Ce510	ASL	08	G-FTFX	EMB550	Flexjet	14
PH-VBG	Falcon 2000EX	JetNetherlands	07	G-LUBB	Ce525	Surrey Heli Charters	14
07.RN08	NH90-TTH	1w		HB-IGV	Falcon 50EX	VF International	
HB-GLB	Beech B200	Swiss Flight Services	tst	M-ARTY	PC-12/47E	Creston (UK)	
HB-LUA	P68C	Swiss Flight Services	tst	N850SF	TBM-850	Schnefrost GmbH	
HB-LUZ	P68C	Swiss Flight Services	08	OE-GBD	IAI1125	Tyrol Air Ambulance	
LX-FLJ	PC-12/47NGX	Jetfly Aviation	08	OK-SLS	Ce560	Silesia Air	
LX-JDV	Ce525 (M2)	Flying Group Luxembourg	08	PH-DFB	DA42	Bluetail Flight School	
N600J	G550	Johnson & Johnson	08	14.D-ILWP	Ce525A	Excellent Air	
OE-FIW	DA42	De Vleminck Air Service		F-HCVA	DA42M-NG	North Sea Aviation Services	



G-JOTR	BAe146-RJ85	JOTA Aviation		F-GJFE	Beech B200	Aero Sotravia	tst
G-JOTS	BAe146-RJ100	JOTA Aviation		G-OXFB	PA-34-220T	Oxford Aviation Academy	21
HB-FXC	PC-12/47E	TAG Aviation	f/v	HB-GLB	Beech B200	Swiss Flight Services	21
OE-GDM	Ce560 Encore+	The Flying Bulls	f/v	M-JCBB	G650	J C Bamford Excavators	f/v
OK-KIN	Ce525B	Aeropartner		OE-FOG	Ce510	GlobeAir	
OO-ACC	Ce525A	Air Service Liège	15	21.H29	A109BA	1w	
OO-MBP	PC-24	EAPC		CS-DXT	Ce560XLS	NetJets Europe	
PH-DIX	PC-12/45	Din-Air		OE-FZE	Ce510	GlobeAir	
15.ST48	SF260D	CC Air		OK-SLX	Ce560XL	Silesia Air	22
9H-VCM	CL-350	Vista Jet		OO-IDE	Ce525	Air Service Liège	27
CS-DXR	Ce560XLS	NetJets Europe	16	OO-MAP	PC-24	EAPC	
D-CSCE	EMB505	Luxaviation Germany		OO-MBP	PC-24	EAPC	
D-INCS	Ce525	Bizair Flug		OO-STE	AS350B3e	Stephex Stables	
LX-FLJ	PC-12/47NGX	Jetfly Aviation		PH-DWS	ERJ135LR	Air Charters Europe	24
M-ARTY	PC-12/47E	Creston (UK)		PH-KFB	DA42NG	KLM Flight Academy	
OO-ACC	Ce525A	Air Service Liège		22.CS-EJA	Ce560XLS	EJME (Portugal)	
OO-JAQ	B737-8K5	TUI Airlines Belgium	f/v	F-GJFE	Beech B200	Aero Sotravia	tst
OO-PCK	PC-12/47E	EAPC	16	OO-GHE	Falcon 2000LX	Luxaviation Belgium	
PH-UNC	Falcon 7X	JetNetherlands	16	OO-HMW	EC120B	Helimo	
16.9H-TGR	Ce525B	Hyperion Aviation		OO-HSA	AS355N	Heli Service Belgium	29
9H-WIT	PC-12/47E	NextGen Aviation	23	OO-STE	AS350B3e	Stephex Stables	
CS-CHC	CL-350	NetJets Europe	17	PH-DWC	ERJ135LR	Air Charters Europe	
D-CEMS	Ce525B	Air Hamburg	f/v	PH-MYX	Ce650	JetNetherlands	23
F-GJFA	Beech B200	Aero Sotravia	18	23.D-FNJP	PC-12/47E	Air Alliance Express	
F-GJFE	Beech B200	Aero Sotravia	26	D-GGWB	DA42	Rhein Main Aviation	
F-HROI	P180	Oyonnair	f/v	F-GDHD	BN-2A-9	Aero Sotravia	26
N217TS	PA-46-350P	Laukatel Air		F-GJFA	Beech B200	Aero Sotravia	26
N979JW	Falcon 7X	S C Johnson & Son	f/v 17	F-GJFE	Beech B200	Aero Sotravia	tst
PH-BRA	PC-12/47E	Flying Group	f/v 20	F-HIJD	Ce525A	Ixair	
PH-DIX	PC-12/45	Din-Air		G-XDEA	DA42	Tesla Aviation	f/v
17.D-CSCB	Ce560XLS+	Silver Cloud Air	18	M-GETS	PC-12/47E	3FS Aviation	
F-GJFE	Beech B200	Aero Sotravia	tst	OE-FOE	Ce510	GlobeAir	
LX-JDV	Ce525 (M2)	Flying Group Luxembourg	19	OO-PCI	PC-12/47E	EAPC	
LX-ONE	Lj45	Duclair		PH-LGD	EMB550	ASL	
OO-ACC	Ce525A	Air Service Liège	18	SE-RIL	Ce560XLS	Svenskt Industriflyg	
OO-JAQ	B737-8K5	TUI Airlines Belgium		T7-PET	EMB500	P100 Avia	f/v
OO-PCJ	PC-12/47E	EAPC		24.CS-DLK	Falcon 2000EX	NetJets Europe	f/v
PH-DWC	ERJ135LR	Air Charters Europe		D-CSUE	Do328-100	Private Wings	f/v 25
18.D-IPCH	Ce525A	Peter Cremer Holding		F-GJFE	Beech B200	Aero Sotravia	tst
F-GJFE	Beech B200	Aero Sotravia	tst	F-HKAF	DA42	Aero Flandre Maintenance	
M-IFFY	Ce510	Xead	19	LX-AND	PC-24	Flying Group Luxembourg	25
OO-HEY	R44	MMR Group	arr	LX-FLJ	PC-12/47NGX	Jetfly Aviation	
OO-VMF	Ce560XLS+	Air Service Liège	19	N769WE	G550	Belagrasco Aviation	f/v
19.D-CGER	Ce525B	Excellent Air	21	OK-AST	Ce560XL	Air Bohemia	
F-GJFE	Beech B200	Aero Sotravia	tst	OO-HSA	AS355N	Heli Service Belgium	tst
LX-JDV	Ce525 (M2)	Flying Group Luxembourg	21	OO-MAP	PC-24	EAPC	
N217TS	PA-46-350P	Laukatel Air		OY-INV	CL-604	Flexflight	
OK-OKL	PA-42-720	Air Bohemia		PH-DWC	ERJ135LR	Air Charters Europe	29
OY-MNS	P68C	Bio-Flight	20	25.CS-DXR	Ce560XLS	NetJets Europe	
PH-DWC	ERJ135LR	Air Charters Europe	20	D-CASH	EMB505	Air Hamburg	
PH-DWS	ERJ135LR	Air Charters Europe	21	D-CSUE	Do328-100	Private Wings	
20.9H-VFF	CL-605	Vista Jet	21	D-CXLS	Ce560XLS+	Air Hamburg	26
CS-CHH	CL-350	NetJets Europe	21	F-GJFA	Beech B200	Aero Sotravia	tst
CS-LTE	Ce680A	NetJets Europe		F-GJFE	Beech B200	Aero Sotravia	tst
D-COCA	Beech 1900D	Private Wings	21	LX-AND	PC-24	Flying Group Luxembourg	26
D-IAAB	EMB500	Arcus Air	21	OE-FCB	Ce510	GlobeAir	
EC-LYL	Ce560XLS+	Gestair	f/v	OE-FKF	Ce525A	Fly Tyrol	26



This 2004-built G550 N769WE has been owned by Belagrsko Aviation since April 2021. (Antwerp, 24 September 2021, Walter Van Brempt)



This Dutch registered Pilatus PC-12 PH-BRA has been flying around for Flying Partners since 2017. It was seen in the late hours of 30 September by Gert-Jan Mentink at Ostend.

				Kleine Brogel		September 2021
	OO-HSA	AS355N	Heli Service Belgium	tst		
	OO-MAP	PC-24	EAPC	26		
	OO-SVG	SV-4B	J. de Block			
	PH-DWS	ERJ135LR	Air Charters Europe	29	02.FB14	F-16BM 2w
	PH-LGD	EMB550	ASL	27	N4109C	T-6G
26.	CS-LTI	Ce680A	NetJets Europe	27	06.FA101	F-16AM 2w (demo c/s)
	F-GJFE	Beech B200	Aero Sotravia	tst	08.193/64-HA	CN235M-300 ET03.062
	N233KC	Falcon 900	TWC Aviation	01	G-KAXF	Hunter F6A DHHF
	OK-AST	Ce560XL	Air Bohemia		09.H46	A109BA 17sq (demo c/s)
	OO-HSA	AS355N	Heli Service Belgium	tst	0482	C295MW 242.tsl
27.	ST40	SF260D	CC Air		0714	W-3A 243.vrl
	ST47	SF260D	CC Air		3369	Mi-35 221.vrl (special c/s)
	OO-PCI	PC-12/47E	EAPC		9240	JAS39C 211.tl
	PH-MYX	Ce650	JetNetherlands	29	9926	Mi-171Sh 222.vrl
	PH-UNC	Falcon 7X	JetNetherlands	01	T-409	T-17 FLSK
28.	D-GGWB	DA42	Rhein Main Aviation	tst	T-413	T-17 FLSK
	F-GTKJ	Beech 1900D	Twin Jet	30	T-415	T-17 FLSK
	OE-GZK	Ce560XLS	Int'l Jet Management	29	T-423	T-17 FLSK
	OO-CCJ	Ce525	Air Service Liège	30	T-428	T-17 FLSK
	OO-MAP	PC-24	EAPC		CC-2	C295M TukiLLv
	OO-STX	EC120B	Ilpam		HN-418	F/A-18C HävLLv 11
	SE-RNR	CL-350	European Flight Service		HN-453	F/A-18C HävLLv 11
29.	CS-DXV	Ce560XLS	NetJets Europe	30	05/-TG CJ	EA330SC EVAA
	CS-LTA	Ce680A	NetJets Europe	30	513	F-16C 343 Mira
	D-CIRJ	Do328-120	Rhein-Neckar Air	30	538	F-16C 340 Mira
	D-CIRP	Do328-120	MHS Aviation	f/v	33	JAS39C MH.59. Sz.D.REB.
	HB-JOB	Falcon 7X	CAT Aviation	f/v	36	JAS39C MH.59. Sz.D.REB.
	OO-IDE	Ce525	Air Service Liège	30	605	A319-112 MH.59. Sz.D.REB.
	OO-VMF	Ce560XLS+	Air Service Liège	02	CSX62219	C-27J 311° Gruppo RSV
	PH-JRC	ERJ135BJ	JetNetherlands		MM7310	F-2000A 936° GEA
30.	CS-LTP	Ce680A	NetJets Europe	f/v	MM7343	F-2000A 936° GEA
	D-CAWX	Ce680+	Aerowest Flugcharter	01	MM7349	F-2000A 936° GEA (special c/s)
	D-CCBH	Ce525B	Bauhaus	f/v	MM7350	F-2000A 311° Gruppo RSV
	D-CIRP	Do328-120	MHS Aviation		MM7352	F-2000A 936° GEA
	LX-AND	PC-24	Flying Group Luxembourg		MM55217	T-346A 212° Gruppo
	LX-GJM	CL-350	Global Jet Luxembourg	f/v	013	C295M 8.BLTr
	N156QS	Global 6000	NetJets	f/v	020	C295M 8.BLTr
	N750GX	Global 7500	Bombardier	f/v	4055	F-16C 31.BLT
	N884CL	CL-350	Bombardier	f/v	4056	F-16C 31.BLT
	OK-PTT	PC-12/47E	Air Bohemia	01	J-3081	F-5E Patrouille Suisse
	OO-CCJ	Ce525	Air Service Liège	01	J-3082	F-5E Patrouille Suisse
	OO-HMW	EC120B	Helimo	2x	J-3083	F-5E Patrouille Suisse
	OO-IDE	Ce525	Air Service Liège	03	J-3084	F-5E Patrouille Suisse
	OO-KTN	A109S	Katoennatie	3x *	J-3088	F-5E Patrouille Suisse
	OO-PCI	PC-12/47E	EAPC		J-3090	F-5E Patrouille Suisse
	OO-PMV	R44	Take		J-3091	F-5E Patrouille Suisse
	OO-SJC	R44	Truck and Car Renting	2x	T-751	CL-604 LTDB
	PH-BEJ	Global 5000	Flying Group	04	G-ONAA	OV-10B
	PH-JRC	ERJ135BJ	JetNetherlands		OO-ISS	Hawker Fury FB10
					OO-JOY	AT-6D
					SE-KXR	G-164A
					10.7L-WG	EF2000 ÜbwGeschwader
					7L-WK	EF2000 ÜbwGeschwader
					CH01	C-130H 20sq (special c/s)
					CT01	A400M 20sq

The Edito Piper on the 10th has been sold to and departed to the USA.

Credits: ASA Belgium vzw, Luchtzak.be forum.



RN01	NH90-NFH	40sq	13
ST02	SF260M+	CC Air (Red Devils c/s)	12
ST16	SF260M+	CC Air (Red Devils c/s)	12
ST22	SF260M+	CC Air (Red Devils c/s)	12
ST23	SF260M+	CC Air (Red Devils c/s)	12
ST35	SF260M+	CC Air (Red Devils c/s)	12
0482	C295MW	242.tsl	
1	E-2C	4F	12
32	Rafale M	11F (special c/s)	13
44	Rafale M	11F (special c/s)	13
132/30-GK	Rafale C	EC03.030 (special c/s)	13
133/30-GL	Rafale C	EC03.030	13
324/30-HW	Rafale B	EC03.030	13
30+74	EF2000	TLG74	13
31+01	EF2000	TLG74 (special c/s)	13
45+13	Tornado IDS(T)	TLG51	13
46+05	Tornado IDS(T)	TLG51	21
78+31	NH90-TTH	IHaz	13
009	F-16C	335 Mira	13
029	F-16D	335 Mira	13
MM62161	P180AM	311° Gruppo RSV	11
D-665	CH-47D	298sq	13
15104	F-16AM	Esq 201/301	13
15105	F-16AM	Esq 201/301 (special c/s)	13
XX177	Hawk T1	Red Arrows	11
XX232	Hawk T1	Red Arrows	11
XX242	Hawk T1	Red Arrows	11
XX245	Hawk T1	Red Arrows	11
XX278	Hawk T1A	Red Arrows	11
XX310	Hawk T1W	Red Arrows	11
XX311	Hawk T1	Red Arrows	11
XX319	Hawk T1A	Red Arrows	11
XX322	Hawk T1A	Red Arrows	11
XX325	Hawk T1	Red Arrows	11
ZZ376	Wildcat HMA2	825sq	11
G-PBYA	PBV-1A		
N60LT	PC-7		*
OO-NLT	PC-12/47E		*
PH-XXV	B-25N	SKHF	*
11.751	C-130H	356 MTM	12
D-HSDM	BO105CBS-4	The Flying Bulls	*
OO-ABB	A340-313	Air Belgium	*
PH-FVE	Spitfire MkXVI		*
PH-XXV	B-25N	SKHF	*
12.0481	C295MW	242.tsl	
T-786	PC-24	LTDB	
PH-XXV	B-25N	SKHF	
13.0481	C295MW	242.tsl	
CC-2	C295M	TukiLLv	
605	A319-112	MH.59. Sz.D.REB.	
T-785	Falcon 900EX	LTDB	
14.8T-CC	C-130K	LuTSta	
197/64-HE	CN235M-300	ET03.062	15
011	C295M	8.BLTr	
013	C295M	8.BLTr	
17.8T-CC	C-130K	LuTSta	
FA132	F-16AM	2w	20
FA135	F-16AM	2w	20
ST48	SF260D	CC Air	*
20.ST16	SF260M+	CC Air (Red Devils c/s)	*
21.CH12	C-130H	20sq	*
27.ST48	SF260D	CC Air	*
28.FA135	F-16AM	2w	*
FB14	F-16BM	2w	*
29.CH01	C-130H	20sq (special c/s)	*
CT02	A400M	20sq	

The Sanicole 2021 edition gathered another interesting collection of visitors to Kleine Brogel. Amongst many visitors special markings and special colours can be found.

Credits: Toon Cox, Edwin Huskens, Tim Van den Boer, Scramble messageboard.

## Koksijde

September 2021						
01.FA69	F-16AM	10w2x *				
FA86	F-16AM	2w (spec mks)				*
FA123	F-16AM	10w				*
FA131	F-16AM	10w			2x *	
FB14	F-16BM	12w			2x *	
FB22	F-16BM	2w				*
FB24	F-16BM	10w/OCU (spec mks)				*
02.H21	A109BA	17sq				
H46	A109BA	17sq				
03.FB23	F-16BM	10w			2x *	
ST41	SF260D	CC Air			4x *	
06.ST41	SF260D	CC Air				*
07.FA110	F-16AM	10w				*
08.ST43	SF260D	CC Air			2x *	
09.FA69	F-16AM	10w				*
FA119	F-16AM	10w				*
10.FA95	F-16AM	10w			3x *	
ST02	SF260M+	CC Air				
ZZ376	Wildcat HMA.2	825 NAS				
13.FA107	F-16AM	10w				*
14.ST42	SF260D	CC Air				*
15.ST43	SF260D	CC Air			3x *	
18.OO-FAE	Falcon 7X	21sq/Luxaviation BE			4x *	
20.H38	A109BA	17sq			4x	
24.H21	A109BA	17sq				
27.FB24	F-16BM	10w/OCU (spec mks)				*
0717	W-3A	243.vrl				arr
77+07	H145M	THR30				arr
89+63	Sea King Mk.41	MFG5				arr
0264	AW101	330 Skv				arr
I-EASK/37	AW169	Leonardo				arr
28.FA134	F-16AM	10w				*
29.H26	A109BA	17sq			3x	
A-301	SA316B	AMB (300sq mks)			arr by road	
OO-NHM	AS365N2	NHV				
30.FA102	F-16AM	10w				*
FA136	F-16AM	10w (spec mks)			2x *	

The SARMEET 2021 was held from 27 September till 1 October with participation from Norway, Czechia, Germany, Belgium, NHV and Leonardo. The latter brought in their AW169 to demonstrate. Another static visitor arrived from the Netherlands by truck, Alouette Museum Barneveld showed former 300sq SA316B A-301 in its full glory and pristine condition.

Credits: Wim Houquet, Mike Derijcke, Christopher Noens, Niels De Ruycck, Kenny Plaetevoet, Davy Lucidarne.

## Ostend-Bruges

September 2021						
01.9H-IAR	CL-605	Alliance Executive Jets				03
LZ-ADV	MD-82	Alk Airlines				VBB3055
N633EX	Ce208EX	Textron Aviation				
SP-MRB	Saab 340A(QC)	IG Avion/Sky Taxi				IGA502
02.D-BUBI	CL-300	Windrose Air				dep
OO-MST	Ce510	Air Service Liège				03
PH-NNX	Ce750	JetNetherlands				
UR-CKL	An-12BK	Cavok Air			05 CVK7089/7090	
03.C-GGBC	Falcon 900LX	Novajet				
N461GT	G450	Deeside Aviation LLC				19
PH-NNX	Ce750	JetNetherlands				04
T7-VSR	Global XRS	Black Eagle				
05.TC-MCG	A300B4-622R(F)	MNG Airlines				MNB771/931
06.9H-LKF	CRJ-1000	Mel Air				MDO3239/2240
07.D-CMDH	Ce680	Eisele Flugdienst				08 EFD6H
LZ-ADV	MD-82	Alk Airlines				VBB3056
N165SL	P180	Supair				13
PH-NNX	Ce750	JetNetherlands				09
08.D-ASBG	Falcon 900EX	Airservice Bremgarten				
D-BUBI	CL-300	Windrose Air				QGA016/016A
LN-AWB	Lj45XR	Airwing				NWG48
10.T7-FMS	Ce525					
12.D-ASBG	Falcon 900EX	Airservice Bremgarten				13
M-SAIL	PC-12/47E					



AS365N3 OO-NHM from NHV, was one of the visitors during the Galileo SAR Meet at Koksijde which was held from 27 September till 1 October. This helicopter is used by the Dutch Coastguard. More information about this meeting could be found also at our website in the Military news section. (Koksijde, 29 September 2021, Gert-Jan Mentink)

OE-FMT	EMB500	Jet24		OO-SUN	Ce510	Air Service Liège	27
T7-FMS	Ce525			26. OO-CLA	Ce525C	Luxaviation Belgium	27 AAB837/831
TC-MCG	A300B4-622R(F)	MNG Airlines	MNB771/931	TC-MCC	A300B4-622R(F)	MNG Airlines	MNB771P/931
13. 9H-LKF	CRJ-1000	Mel Air	MDO2241/3242	27. 9H-AKX	EMB550	FletJet Operations	28 FJO54A
LY-KDT	B737-522	KlasJet	15 KLJ3341/3342	OO-CLA	Ce525C	Luxaviation Belgium	AAB831
N165SL	P180	Supair	arr/	OO-SNK	A320-214	Brussels Airlines	BEL9931/1155
PH-NNX	Ce750	JetNetherlands	16	OO-SUN	Ce510	Air Service Liège	28
TF-AMN	B747-4F6(F)	Air Atlanta Icelandic	ABD5250	PH-NNX	Ce750	JetNetherlands	JNL111
14. 9H-LXX	Global XRS	VistaJet	15 VJT708	PH-NNX	Ce750	JetNetherlands	arr JNL111
EC-GJM	SA227BC	Flightline	FTL722/931	VQ-BBH	B747-8F	Silk Way West Airlines	AZG4981
EC-NKH	Ce680A	Global Jet	16	VQ-BVC	B747-8F	Silk Way West Airlines	28 AZG4881
F-HBUZ	A321-251NX	La Compagnie	f/v 16 DJT550/551	29. 5B-DCW	A319-114	Cyprus Airways	f/v arr CYP1910
N37TY	Falcon 7X		16	G-JOTF	BAe146-300(QT)	JOTA Aviation	ENZ896/896F
15. D-CTTT	Ce560XLS	Eurolink	EUL3T	OO-SNK	A320-214	Brussels Airlines	BEL1156/2HB
D-IOVA	Ce525(M2)	Atlantic Air Solutions	16	30. 5B-DDL	A320-214	Tus Airways	arr CYF364
F-GUNN	Ce560XL		arr	D-CMDH	Ce680	E-Aviation	arr EFD6H
LX-MIC	Falcon 2000S	Global Jet Luxembourg	SVW50MC	PH-BRA	PC-12/47E	Flying Group	arr
OO-KOR	Ce525A+	Luxaviation Belgium	AAB791	PH-MYX	Ce650	Air Service Liège	tst
OO-MMT	Ce560XL	Air Service Liège	16				
T7-RAS	HA-420	Rheinland Air Service	arr				
16. OO-MMT	Ce560XL	Air Service Liège					
17. OO-FAE	Falcon 7X	21sq/Luxaviation BE	BAF73				
LY-KDT	B737-522	KlasJet	KLJ3016/2583				
VQ-BVC	B747-8F	Silk Way West Airlines	AZG4981				
VQ-BWY	B747-8F	Silk Way West Airlines	18 AZG4881				
18. UR-CTJ	An-12BK	Meridian Aviation	19 MEM5021/3024				
19. LN-AWC	Lj45XR	Airwing	NWG19				
OO-KOR	Ce525A+	Luxaviation Belgium	20 AAB835/827				
TC-MCG	A300B4-622R(F)	MNG Airlines	MNB771/931				
20. D-FUDA	PC-12/47E						
G-MRFX	EMB550	Flexjet	FLJ52R				
G-MSFX	EMB550	Flexjet	FLJ51S				
OE-EAS	F4U-4	The Flying Bulls					
PH-BRA	PC-12/47E	Flying Group					
PH-NNX	Ce750	JetNetherlands	JNL111				
21. 68	EMB121AN	28F	FNY5026				
LX-JFD	PC-12/47E	Jetfly Aviation	JFA36N/14A				
OO-KOR	Ce525A+	Luxaviation Belgium	22 AAB827/333				
PH-NNX	Ce750	JetNetherlands	22 JNL111				
SP-KPE	Saab 340A	SprintAir	SAR131/779				
22. D-FALK	Ce208	Businesswings	JMP231A/B				
D-ICCC	CeF406	Air-Taxi Europe	24 TWG200/100				
OH-ZRH	PC-12/47E	Fly 7 Executive Avn	23 FSF100A				
OO-KOR	Ce525A	Luxaviation Belgium	2x AAB847				
23. D-ITRA	Ce525	Transavia Fluggesellschaft	2x				
OE-FCO	Ce510	Globe Air	GAC589G/932T				
VQ-BVC	B747-8F	Silk Way West Airlines	AZG4981				
24. CS-PHA	EMB505	NetJets Europe	25 NJE522K/069P				
OO-SUN	Ce510	Air Service Liège	25				
VQ-BVB	B747-8F	Silk Way West Al	AZG4481/4881				
25. D-IMTS	EMB500	Veone					

#### EgyptAir Cargo:

SU-GCE 03, 06, 09, 10<sup>2</sup>, 13, 16, 28, 30  
 SU-GCF 02, 03, 10, 16, 19<sup>2</sup>, 21, 23, 27  
 SU-GCJ 02, 05, 08, 09, 13, 14, 17, 20, 24, 25, 27, 30

#### Qatar Airways (Cargo):

A7-BAB 04, 30  
 A7-BAK 02, 06, 13, 20<sup>2</sup>, 27<sup>2</sup>  
 A7-BAL 25  
 A7-BAN 11  
 A7-BAP 16  
 A7-BAQ 09, 18, 23  
 A7-BFD 08  
 A7-BFH 19  
 A7-BFK 26  
 A7-BFM 07  
 A7-BFN 28<sup>2</sup>  
 A7-BFO 15  
 A7-BFR 02  
 A7-BFS 22  
 A7-BFV 05, 12  
 A7-BFX 29  
 A7-BFY 21

#### TUI Belgium:

OO-JAF 01,02,03,04,05,07,28  
 OO-JAQ 17,18,19,20,21,22,23,24,25,26,28,29,30  
 OO-JAR 29  
 OO-JAS 01,08,15  
 OO-JAV 01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,26,27,28  
 OO-JAX 05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30  
 OO-TMB 04,14  
 OO-TMY 11,21,25  
 OO-TUV 18

The ALK Airlines MD82 was paying some refuelling stop visits in the first week of September. PSG brought along the first visit of a A321neo on 14 September.

Credits: Replo.be, Nik Deblauwe.



# Military Movements Elsewhere



Mario Caruana saw Royal Thai Army CASA C295W 16150 arriving at Malta from the Red Sea resort of Hurghada in Egypt on 9 October 2021. Although painted in camo colours, it is operated by the VIP squadron, which also has another C295W in its ranks.

Germany				10-0215	C-17A	437th AW	dep
Geilenkirchen				03.02	C-17A	SAC	
02.2901	L410UVP-E20	Dopravné křídlo	SQF102	99-0060	C-17A	62nd AW	
03.62-3531	KC-135R	121st ARW (OH ANG)	RCH304	03-3126	C-17A	305th AMW	
64-14840	KC-135R	121st ARW (OH ANG)	RCH529	04-4128	C-17A	305th AMW	
606	Falcon FA7X	MH 59. Sz.D. REB.	HUAF668	06-6157	C-17A	60th AMW	
06.31+37	EF2000	TLG 31	Shock21	06-6166	C-17A	436th AW	
31+48	EF2000	TLG 31	Shock22	07-7171	C-17A	436th AW	
13.30+14	EF2000	TLG 31	Smash01	07-7180	C-17A	437th AW	06
D-AOLG	Fokker 100	Avanti Air	TAY653P/5090	10-0215	C-17A	437th AW	11
OO-TNO	B737-49R	ASL Airlines Belgium	TAY502P/6017	10-0219	C-17A	62nd AW	
14.59-1466	KC-135R	108th ARS (IL ANG)	RCH156	10-0222	C-17A	437th AW	
10+25	A310-304F/MRT	FBS BMVg	GAF817	162784	E-6B	VX-20	14
15.15+03	A319-133CJ	FBS BMVg	GAF855	04.84-0062	C-5M	60th AMW	
D-AOLG	Fokker 100	Avanti Air	TAY563P/5015	85-0009	C-5M	68th AS (AFRC)	
16.62-3576	KC-135R	108th ARS (IL ANG)	RCH165	99-0060	C-17A	62nd AW	
17.OO-TNO	B737-49R	ASL Airlines Belgium	TAY5018/501P	99-0166	C-17A	62nd AW	dep
21.0225	M-28B/PT	8.BLTr	PLF115	99-0169	C-17A	437th AW	
23.10+25	A310-304F/MRT	FBS BMVg	GAF953	00-0183	C-17A	156th AS (NC ANG)	
24.OO-TNO	B737-49R	ASL Airlines Belgium	TAY502P/5011	02-1106	C-17A	62nd AW	06
28.82+57	EC135	Heeresfliegerwaffenschule	GAM211	03-3126	C-17A	305th AMW	06
30.95-00123	UC-35A	1-214th AVN	Duke91	06-6158	C-17A	60th AMW	
Credits: Rolf Flinzner, Scramble Messageboard				10-0221	C-17A	437th AW	
Ramstein				05.02	C-17A	SAC	
July 2021				96-0004	C-17A	62nd AW	
01.79+32	NH90-TTH	THR30		03-3124	C-17A	437th AW	08
02.02	C-17A	SAC		04-4133	C-17A	305th AMW	10
87-0031	C-5M	337th AS (AFRC)		06-6165	C-17A	436th AW	
98-0054	C-17A	437th AW		07-7170	C-17A	436th AW	
00-0183	C-17A	156th AS (NC ANG)		08-8201	C-17A	62nd AW	
02-1107	C-17A	156th AS (NC ANG)		10-0219	C-17A	62nd AW	
02-1107	C-17A	156th AS (NC ANG)		06.ZE707	BAe146 C3	32(TR)sq	
02-1110	C-17A	62nd AW		85-0009	C-5M	68th AS (AFRC)	08
04-4132	C-17A	305th AMW	dep	79-1950	KC-10A	60th AMW	
05-5150/HH	C-17A	15th Wing/535th AS	dep	93-0699/AK	C-17A	3rd Wing/517th AS	08
06-6158	C-17A	60th AMW	03	00-0183	C-17A	156th AS (NC ANG)	08
07-7171	C-17A	436th AW		02-1108	C-17A	62nd AW	
07-7173	C-17A	436th AW	dep	08-8203	C-17A	62nd AW	08
08-8203	C-17A	62nd AW	dep	61-0294	KC-135R	328th ARS (AFRC)	
09-9212	C-17A	437th AW	dep	07.85-0029	KC-10A	60th AMW	
10-0214	C-17A	437th AW	dep	96-0002	C-17A	437th AW	dep
61-0294	KC-135R	328th ARS (AFRC)	dep	96-0002	C-17A	437th AW	
61-0294	KC-135R	328th ARS (AFRC)	06	08-8200	C-17A	62nd AW	09
86-0025	C-5M	436th AW	dep	09-72107	UH-72A	JMRC	
00-0184	C-17A	758th AS (AFRC)	dep	08.84-0062	C-5M	60th AMW	
03-3124	C-17A	437th AW		79-1950	KC-10A	60th AMW	
08-8200	C-17A	62nd AW		93-0603	C-17A	60th AMW	
				02-1107	C-17A	156th AS (NC ANG)	11

03-3124	C-17A	437th AW		00-0176	C-17A	155th AS (TN ANG)	
06-6165	C-17A	436th AW		03-3127	C-17A	62nd AW	20
08-8191	C-17A	437th AW		04-4134	C-17A	305th AMW	
09-9212	C-17A	437th AW		05-5141	C-17A	729th AS (AFRC)	
900528	C-26D	AOD Sigonella		07-7185	C-17A	437th AW	
57-2603	KC-135R	336th ARS (AFRC)		08-8204	C-17A	437th AW	
09.87-0036	C-5M	436th AW		63-8029	KC-135R	141st ARS (NJ ANG)	20
08-8203	C-17A	62nd AW		17.01	C-17A	SAC	
10-0218	C-17A	62nd AW		85-0002	C-5M	436th AW	
10-0220	C-17A	62nd AW		01-0188	C-17A	137th AS (NY ANG)	
10.93-0603	C-17A	60th AMW		06-6158	C-17A	60th AMW	
98-0057	C-17A	137th AS (NY ANG)		08-8198	C-17A	437th AW	
00-0177	C-17A	137th AS (NY ANG)	12	10-0215	C-17A	437th AW	20
03-3124	C-17A	437th AW	12	18.02-1109	C-17A	62nd AW	20
04-4134	C-17A	305th AMW		10-0221	C-17A	437th AW	
07-7185	C-17A	437th AW		19.ZE700	BAe146 CC2	32(TR)jsq	
11.98-0057	C-17A	137th AS (NY ANG)		T-751	CL-604	LTDB	
57-2603	KC-135R	729th AS (AFRC)		87-0043	C-5M	337th AS (AFRC)	
12.86-0018	C-5M	337th AS (AFRC)		00-0181	C-17A	167th AS (WV ANG)	
03-3124	C-17A	437th AW		01-0188	C-17A	137th AS (NY ANG)	
09-0540	C-40C	73rd AS (AFRC)	14	06-6158	C-17A	60th AMW	25
89-0283	MC-130J	1st SOW		08-8195	C-17A	62nd AW	
13.84-0061	C-5M	436th AW	15	08-8201	C-17A	62nd AW	21
02-1107	C-17A	156th AS (NC ANG)		08-8202	C-17A	62nd AW	22
08-8191	C-17A	437th AW		10-0218	C-17A	62nd AW	
08-8198	C-17A	437th AW		10-0221	C-17A	437th AW	22
10-0215	C-17A	437th AW		166696	C-40A	VR-56	
99-0402	C-37A	89th AW	15	18-46040	KC-46A	22nd ARW	
63-8029	KC-135R	141st ARS (NJ ANG)		57-1440/D	KC-135R	100th ARW	
14.87-0035	C-5M	436th AW		20.0095/F-RBAP	A400M	ET01.061	
03-3127	C-17A	62nd AW		95-0107	C-17A	437th AW	
03-3127	C-17A	62nd AW	16	00-0183	C-17A	156th AS (NC ANG)	22
04-4137	C-17A	137th AS (NY ANG)	21	01-0187	C-17A	62nd AW	
08-8198	C-17A	437th AW	16	05-5142	C-17A	729th AS (AFRC)	
08-8204	C-17A	437th AW		08-8195	C-17A	62nd AW	23
09-9211	C-17A	62nd AW		18-46040	KC-46A	22nd ARW	
08-20163	HH-60M	C/2-1 Avn		57-1440/D	KC-135R	100th ARW	
08-20168	HH-60M	C/2-1 Avn		63-8029	KC-135R	141st ARS (NJ ANG)	26
08-20170	HH-60M	C/2-1 Avn		09-72107	UH-72A	JMRC	
08-20171	HH-60M	C/2-1 Avn		21.117/XN	TBM-700A	ET00.043	
15.84-0061	C-5M	436th AW	19	01	C-17A	SAC	
00-0183	C-17A	156th AS (NC ANG)	18	00-0181	C-17A	167th AS (WV ANG)	
09-9211	C-17A	62nd AW		00-0185/AK	C-17A	3rd Wing/517th AS	
18-46040	KC-46A	22nd ARW	19	01-0186	C-17A	436th AW	
63-8029	KC-135R	141st ARS (NJ ANG)		10-0218	C-17A	62nd AW	23
90-0827/SP	F-16CM	52nd FW	*	18-46040	KC-46A	22nd ARW	
91-0358/SP	F-16CM	52nd FW	*	57-1440/D	KC-135R	100th ARW	
91-0481/SP	F-16DM	52nd FW	*	11-20350	HH-60M	C/2-1 Avn	
16.ZZ178	C-17A	24/99sq		22.01	C-17A	SAC	
87-0043	C-5M	337th AS (AFRC)		76-0171	C-12C	USE Oslo	



Allegedly helping out the USA, Republic of Singapore Air Force A330MRTT 762 is seen arriving at Ramstein on 3 September 2021. The tanker, operated by 112 squadron was photographed by Han Kaap.





Rather anonymous looking C-26D 900528 photographed by Ad Jan Altevogt at Ramstein on 30 September 2021. This US Navy bird is operating from Naples, Italy and is only displaying the last three of its serial.

95-0107	C-17A	437th AW		02-1107	C-17A	156th AS (NC ANG)	
00-0172	C-17A	156th AS (NC ANG)	25	07-7185	C-17A	437th AW	
02-1109	C-17A	62nd AW		99-0003	C-32A	89th AW	
03-3127	C-17A	62nd AW	26	18-46040	KC-46A	22nd ARW	
04-4136	C-17A	305th AMW		91-0412/SP	F-16CM	52nd FW	*
10-0215	C-17A	437th AW	27	30.01	C-17A	SAC	
10-0221	C-17A	437th AW	24	85-0007	C-5M	436th AW	
18-46040	KC-46A	22nd ARW	28	03-3127	C-17A	62nd AW	
57-1440/D	KC-135R	100th ARW		04-4130	C-17A	305th AMW	
13-08436	CH-47F	CH-47F		06-6158	C-17A	60th AMW	
16-08198	CH-47F	B/2-1 Avn		07-7188	C-17A	437th AW	
08-20165	HH-60M	C/2-1 Avn		08-8190	C-17A	437th AW	
23.02-1105	C-17A	62nd AW		18-46040	KC-46A	22nd ARW	
08-8201	C-17A	62nd AW		31.01-0188	C-17A	137th AS (NY ANG)	
24.01	C-17A	SAC		05-5151/HH	C-17A	15th Wing/535th AS	
96-0005	C-17A	137th AS (NY ANG)		08-8200	C-17A	62nd AW	
00-0185/AK	C-17A	3rd Wing/517th AS		10-0215	C-17A	437th AW	
04-4136	C-17A	305th AMW		02-0203	C-40C	201st AS (DC ANG)	
10-0221	C-17A	437th AW		17-46027	KC-46A	97th AMW	
25.012	C-295M	13.ELTr					
86-0018	C-5M	337th AS (AFRC)		01.01-0188	C-17A	137th AS (NY ANG)	August 2021
96-0005	C-17A	137th AS (NY ANG)		02-1107	C-17A	156th AS (NC ANG)	dep
26.Z21122	C-130J-30	TunAF/11sq		02-1108	C-17A	62nd AW	
01	C-17A	SAC		04-4128	C-17A	305th AMW	
87-0035	C-5M	436th AW		07-7185	C-17A	437th AW	dep
00-0172	C-17A	156th AS (NC ANG)		17-46027	KC-46A	97th AMW	dep
01-0191	C-17A	436th AW		08-3175	C-130J-30	317th AW	03
06-6158	C-17A	60th AMW		08-3179	C-130J-30	317th AW	03
10-0213	C-17A	437th AW		08-5691	C-130J-30	317th AW	03
09-6207	MC-130J	352nd SOW	28	10-5701	C-130J-30	317th AW	03
63-8029	KC-135R	141st ARS (NJ ANG)		11-5732	C-130J-30	317th AW	03
27.85-0008	C-5M	436th AW	31	64-14835	KC-135R	452nd AMW (AFRC)	
00-0176	C-17A	155th AS (TN ANG)		N740CK	B747-4H6	Kalitta Air	
03-3127	C-17A	62nd AW		02.01-0188	C-17A	137th AS (NY ANG)	
99-0003	C-32A	89th AW		07-7183	C-17A	437th AW	04
09-72107	UH-72A	JMRC		02-0203	C-40C	201st AS (DC ANG)	dep
28.01	C-17A	SAC		18-46040	KC-46A	22nd ARW	dep
017	C-295M	13.ELTr		18-46040	KC-46A	22nd ARW	04
00-0172	C-17A	156th AS (NC ANG)		10-20272	UH-60M	A/1-214 Avn	
03-3119	C-17A	183rd AS (MS ANG)		07-07043	AH-64D	1-3 Avn	05
03-3127	C-17A	62nd AW	30	09-05582	AH-64D	1-3 Avn	05
04-4131	C-17A	305th AMW		09-05587	AH-64D	1-3 Avn	05
07-7185	C-17A	437th AW		09-05597	AH-64D	1-3 Avn	05
08-8200	C-17A	62nd AW		09-05601	AH-64D	1-3 Avn	05
10-0215	C-17A	437th AW		N465MC	B747-446	Atlas Air	
18-46040	KC-46A	22nd ARW		03.03	C-17A	SAC	
09-72105	UH-72A	JMRC		02-1107	C-17A	156th AS (NC ANG)	05
29.H21	A109BA	1 Wing		02-1108	C-17A	62nd AW	
197/64-HE	CN.235M-300	ET01.062					

04-4128	C-17A	305th AMW		06-6165	C-17A	436th AW	
04-4130	C-17A	305th AMW		07-7185	C-17A	437th AW	
05-5151/HH	C-17A	15th Wing/535th AS	dep	07-7188	C-17A	437th AW	dep
06-6158	C-17A	60th AMW	dep	08-8193	C-17A	62nd AW	
N465MC	B747-446	Atlas Air		10-20272	UH-60M	A/1-214 Avn	
N740CK	B747-4H6	Kalitta Air		N465MC	B747-446	Atlas Air	
04.03-3127	C-17A	62nd AW	dep	10.84+72	CH-53GA	HSG64	
07-7171	C-17A	305th AMW	06	95-0104	C-17A	155th AS (TN ANG)	
10-0215	C-17A	437th AW	dep	07-7188	C-17A	437th AW	26
20-21130	HH-60M	C/1-214 Avn		09-9211	C-17A	62nd AW	
N640GT	B767-3S1ER	Atlas Air		96-26707	UH-60L	A/2-1 Avn	
05.03	C-17A	SAC		N709CK	B747-4B5	Kalitta Air	
98-0057	C-17A	137th AS (NY ANG)	08	11.00-0172	C-17A	156th AS (NC ANG)	
00-0172	C-17A	156th AS (NC ANG)		05-5151/HH	C-17A	15th Wing/535th AS	13
00-0180	C-17A	758th AS (AFRC)		96-26706	UH-60L	A/2-1 Avn	
05-5143	C-17A	89th AS (AFRC)		N465MC	B747-446	Atlas Air	
05-5151/HH	C-17A	15th Wing/535th AS	09	N702CA	B747-412	National Airlines	
06-6163	C-17A	60th AMW		N312AA	B767-223	ABX Air	
07-7185	C-17A	437th AW	08	N662GT	B767-31AER	Atlas Air	
N740CK	B747-4H6	Kalitta Air		12.01	C-17A	SAC	
N640GT	B767-3S1ER	Atlas Air		82-0192	KC-10A	60th AMW	
06.86-0025	C-5M	436th AW	12	95-0103	C-17A	62nd AW	
96-0006	C-17A	167th AS (WV ANG)		95-0104	C-17A	155th AS (TN ANG)	
07-7171	C-17A	305th AMW		00-0183	C-17A	156th AS (NC ANG)	15
10-0213	C-17A	437th AW		900530	C-26D	AOD Sigonella	
N640GT	B767-3S1ER	Atlas Air		90-26300	UH-60L	A/2-1 Avn	
07.85-0001	C-5M	436th AW	10	96-26707	UH-60L	A/2-1 Avn	
00-0172	C-17A	156th AS (NC ANG)	10	13-20613	HH-60M	C/2-1 Avn	
01-0187	C-17A	62nd AW		N412MC	B747-47UF	Atlas Air	
01-0191	C-17A	436th AW		N312AA	B767-223	ABX Air	
01-0193	C-17A	437th AW		N662GT	B767-31AER	Atlas Air	
03-3114	C-17A	183rd AS (MS ANG)		D-CICU	Lj45	Jetcall	
04-4133	C-17A	305th AMW		13.01	C-17A	SAC	
08-8193	C-17A	62nd AW		85-0001	C-5M	436th AW	22
11-9001	E-11A	430th EECS		97-0046	C-17A	437th AW	
D-AUKE	CL-604	Jetcall		00-0172	C-17A	156th AS (NC ANG)	
N707CK	B747-4B5	Kalitta Air		04-4128	C-17A	305th AMW	
N743CK	B747-446	Kalitta Air		04-4134	C-17A	305th AMW	
N183PA	G-III	Phoenix Air		06-6163	C-17A	60th AMW	20
08.04-4133	C-17A	305th AMW	11	10-0219	C-17A	62nd AW	
08-8200	C-17A	62nd AW		92-1451	C-130H-2	169th AS (IL ANG)	16
14-5789	AC-130J	1st SOW	16	14-5787	AC-130J	1st SOW	
N356KD	B747-446	Western Global International		08-20163	HH-60M	C/2-1 Avn	
N640GT	B767-3S1ER	Atlas Air		08-20168	HH-60M	C/2-1 Avn	
09.01	C-17A	SAC		08-20170	HH-60M	C/2-1 Avn	
ZE700	BAe146 CC2	32(TR)sq		08-20171	HH-60M	C/2-1 Avn	
ZE701	BAe146 CC2	32(TR)sq		14.98-0057	C-17A	137th AS (NY ANG)	
97-0042	C-17A	155th AS (TN ANG)		00-0178	C-17A	89th AS (AFRC)	19
01-0191	C-17A	436th AW	16	01-0186	C-17A	436th AW	
03-3114	C-17A	183rd AS (MS ANG)		01-0192	C-17A	137th AS (NY ANG)	



Royal Air Force C-17A ZZ171 received extra anniversary markings, celebrating 20 years (already!!) of C17 service within the RAF. It was seen landing at Brize Norton on 21 October 2021 and photographed by Martin Fox.





Easily mistaken for a civilian Twin Otter in this anonymous guise, Martin Uleman recognized registration F-RACE on ADSB to be a French Air Force aircraft and stopped at Brussels for a photo on 28 September 2021. Its serial 300 is not visible on the photo and most likely not even applied.

02-1109	C-17A	62nd AW		07-7177	C-17A	436th AW	
04-4136	C-17A	305th AMW		07-7178	C-17A	437th AW	
06-6166	C-17A	436th AW		08-8202	C-17A	62nd AW	
07-7182	C-17A	437th AW		92-1451	C-130H-2	169th AS (IL ANG)	20
09-9207	C-17A	437th AW		58-0100/D	KC-135R	100th ARW	
N707CK	B747-4B5	Kalitta Air		08-20170	HH-60M	C/2-1 Avn	dep
15.86-0012	C-5M	337th AS (AFRC)		08-20171	HH-60M	C/2-1 Avn	dep
99-0169	C-17A	437th AW		N401KZ	B747-481F	Kalitta Air	
00-0176	C-17A	155th AS (TN ANG)		N486AX	B767-36NER	Omni Air International	
00-0180	C-17A	758th AS (AFRC)		18.2901	L-410UVP-E20	Dopravné křídlo	
02-1108	C-17A	62nd AW	17	90-0535	C-17A	89th AS (AFRC)	
03-3124	C-17A	437th AW		95-0107	C-17A	437th AW	
04-4132	C-17A	305th AMW		99-0060	C-17A	62nd AW	
05-5145	C-17A	452nd AMW (AFRC)		01-0192	C-17A	137th AS (NY ANG)	
07-7187	C-17A	437th AW		06-6162	C-17A	62nd AW	
08-8200	C-17A	62nd AW		07-7189	C-17A	437th AW	
10-0215	C-17A	437th AW		58-0100/D	KC-135R	100th ARW	
N709CK	B747-4B5	Kalitta Air		08-20163	HH-60M	C/2-1 Avn	dep
D-AFAD	CL-604	FAI Rent-a-Jet		08-20168	HH-60M	C/2-1 Avn	dep
16.88-0266	C-17A	437th AW		D-CICU	Lj45	Jetcall	
90-0534	C-17A	437th AW		19.RN06	NH90-TTH	1 Wing	
98-0053	C-17A	62nd AW	19	85-0007	C-5M	436th AW	
98-0057	C-17A	137th AS (NY ANG)		86-0024	C-5M	60th AMW	
99-0062	C-17A	437th AW		87-0036	C-5M	436th AW	
00-0174/AK	C-17A	3rd Wing/517th AS		89-1191	C-17A	137th AS (NY ANG)	
02-1106	C-17A	62nd AW		95-0102	C-17A	437th AW	
03-3120	C-17A	62nd AW		97-0048	C-17A	89th AS (AFRC)	
06-6158	C-17A	60th AMW		99-0062	C-17A	62nd AW	
07-7170	C-17A	436th AW		00-0176	C-17A	155th AS (TN ANG)	
07-7171	C-17A	305th AMW		00-0182	C-17A	167th AS (WV ANG)	
92-1451	C-130H-2	169th AS (IL ANG)		04-4134	C-17A	305th AMW	21
58-0100/D	KC-135R	100th ARW		05-5145	C-17A	452nd AMW (AFRC)	
91-0402/SP	F-16CM	52nd FW	*	05-5151/HH	C-17A	15th Wing/535th AS	
91-0481/SP	F-16CM	52nd FW	*	08-8198	C-17A	437th AW	
16-08202	CH-47F	B/2-1 Avn		09-9208	C-17A	437th AW	
08-20171	HH-60M	C/2-1 Avn	testflight	58-0100/D	KC-135R	100th ARW	
D-ATXM	Global Express	FAI Rent-a-Jet		N401KZ	B747-481F	Kalitta Air	
17.84+43	CH-53GA	HSG64		N465MC	B747-446	Atlas Air	
84+91	CH-53GS	HSG64		N640GT	B767-3S1ER	Atlas Air	
94-0066	C-17A	62nd AW		20.2901	L-410UVP-E20	Dopravné křídlo	
96-0002	C-17A	437th AW		85-0004	C-5M	436th AW	22
97-0047	C-17A	437th AW		87-0036	C-5M	436th AW	
00-0183	C-17A	156th AS (NC ANG)	20	90-0535	C-17A	89th AS (AFRC)	
01-0193	C-17A	437th AW		94-0070	C-17A	167th AS (WV ANG)	
02-1105	C-17A	62nd AW	19	95-0106	C-17A	62nd AW	22
04-4136	C-17A	305th AMW		97-0046	C-17A	437th AW	
06-6164	C-17A	60th AMW		97-0047	C-17A	437th AW	
07-7172	C-17A	60th AMW		97-0048	C-17A	89th AS (AFRC)	

98-0053	C-17A	62nd AW		N1201P	B767-332ER	Delta Air Lines	
99-0060	C-17A	62nd AW		N2352U	B777-322ER	United Airlines	
99-0169	C-17A	437th AW		24.ZZ343	Voyager KC2	10/101sq	
02-1105	C-17A	62nd AW		00-0171/AK	C-17A	3rd Wing/517th AS	
03-3115	C-17A	183rd AS (MS ANG)		00-0182	C-17A	167th AS (WV ANG)	27
06-6163	C-17A	60th AMW		03-3124	C-17A	437th AW	
08-8197	C-17A	62nd AW		04-4131	C-17A	305th AMW	
92-1451	C-130H-2	169th AS (IL ANG)	24	05-5143	C-17A	89th AS (AFRC)	
G-ZAPX	B757-256	Titan Airways		92-1451	C-130H-2	169th AS (IL ANG)	
N640GT	B767-3S1ER	Atlas Air		N504DN	A350-941	Delta Air Lines	
21.87-0041	C-5M	337th AS (AFRC)		N465MC	B747-446	Atlas Air	
86-0034	KC-10A	60th AMW		N312AA	B767-223	ABX Air	
90-0534	C-17A	437th AW	23	A7-BEC	B777-3DZER	Qatar Airways	
94-0070	C-17A	167th AS (WV ANG)		EC-NGC	B737-809	Albastar	
96-0002	C-17A	437th AW		D-CSOS	Lj45	Jetcall	
97-0048	C-17A	89th AS (AFRC)	23	25.82-0193	KC-10A	60th AMW	
98-0053	C-17A	62nd AW		86-0032	KC-10A	305th AMW	
99-0062	C-17A	437th AW	23	86-0038	KC-10A	60th AMW	
99-0169	C-17A	437th AW		90-0535	C-17A	89th AS (AFRC)	
00-0171/AK	C-17A	3rd Wing/517th AS		96-0003	C-17A	62nd AW	
00-0174/AK	C-17A	3rd Wing/517th AS		97-0047	C-17A	437th AW	
00-0180	C-17A	758th AS (AFRC)		99-0058	C-17A	62nd AW	
04-4130	C-17A	305th AMW		99-0062	C-17A	437th AW	27
04-4134	C-17A	305th AMW		01-0191	C-17A	436th AW	
04-4137	C-17A	305th AMW		02-1106	C-17A	62nd AW	
05-5145	C-17A	452nd AMW (AFRC)		02-1106	C-17A	62nd AW	
05-5151/HH	C-17A	15th Wing/535th AS	23	02-1108	C-17A	62nd AW	
06-6163	C-17A	60th AMW		02-1112	C-17A	183rd AS (MS ANG)	
07-7172	C-17A	60th AMW		06-6154	C-17A	60th AMW	
07-7189	C-17A	437th AW		07-7177	C-17A	436th AW	
08-8198	C-17A	437th AW	23	07-7185	C-17A	437th AW	
08-8200	C-17A	62nd AW		N504DN	A350-941	Delta Air Lines	
09-9207	C-17A	437th AW		N668CP	B737-76N	Hillwood Airways	
N668CP	B737-76N	Hillwood Airways		N737AT	B737-7HJ	Hillwood Airways	
N401KZ	B747-481F	Kalitta Air		N401KZ	B747-481F	Kalitta Air	
N649GT	B767-375ER	Atlas Air		N464MC	B747-446	Atlas Air	
G-POWU	A321-211	Titan Airways		N471MC	B747-412F	Atlas Air	
G-ZAPX	B757-256	Titan Airways		N312AA	B767-223	ABX Air	
22.85-0004	C-5M	436th AW		N641GT	B767-38EER	Atlas Air	
86-0024	C-5M	60th AMW		N649GT	B767-375ER	Atlas Air	
87-0036	C-5M	436th AW		N1201P	B767-332ER	Delta Air Lines	
82-0193	KC-10A	60th AMW		N760AN	B777-223ER	American Airlines	
84-0191	KC-10A	60th AMW		N819AX	B777-2U8ER	Omni Air International	
86-0038	KC-10A	60th AMW		N2331U	B777-322ER	United Airlines	
90-0535	C-17A	89th AS (AFRC)		A7-BAS	B777-3DZER	Qatar Airways	
97-0046	C-17A	437th AW		A7-BAW	B777-3DZER	Qatar Airways	
98-0053	C-17A	62nd AW		A7-BEB	B777-3DZER	Qatar Airways	
00-0171/AK	C-17A	3rd Wing/517th AS		A7-BEC	B777-3DZER	Qatar Airways	
00-0178	C-17A	89th AS (AFRC)		EC-NLJ	A321-231	Privilege Style	
00-0182	C-17A	167th AS (WV ANG)		26.A7-MAA	C-17A	Qatari AF	
01-0194	C-17A	89th AS (AFRC)		85-0033	KC-10A	60th AMW	
02-1108	C-17A	62nd AW		86-0034	KC-10A	60th AMW	
04-4130	C-17A	305th AMW		86-0035	KC-10A	305th AMW	
05-5145	C-17A	452nd AMW (AFRC)		95-0104	C-17A	437th AW	
06-6166	C-17A	436th AW		95-0107	C-17A	437th AW	
07-7179	C-17A	60th AMW		97-0042	C-17A	155th AS (TN ANG)	
08-8190	C-17A	437th AW		97-0047	C-17A	437th AW	
08-8197	C-17A	62nd AW		98-0054	C-17A	437th AW	
09-9205	C-17A	437th AW		98-0054	C-17A	437th AW	
10-0219	C-17A	62nd AW		99-0060	C-17A	62nd AW	
N741CK	B747-4H6F	Kalitta Air		00-0171/AK	C-17A	3rd Wing/517th AS	
N640GT	B767-3S1ER	Atlas Air		00-0180	C-17A	758th AS (AFRC)	29
D-AUKE	CL-604	Jetcall		00-0181	C-17A	167th AS (WV ANG)	28
23.86-0035	KC-10A	305th AMW		00-0183	C-17A	156th AS (NC ANG)	
87-0119	KC-10A	60th AMW		01-0192	C-17A	137th AS (NY ANG)	
97-0045	C-17A	137th AS (NY ANG)		02-1106	C-17A	62nd AW	
05-5151/HH	C-17A	15th Wing/535th AS	25	04-4128	C-17A	305th AMW	
06-6167	C-17A	167th AS (WV ANG)	25	06-6164	C-17A	60th AMW	
10-0213	C-17A	437th AW		06-6165	C-17A	436th AW	
57-1440/D	KC-135R	100th ARW		09-9207	C-17A	437th AW	28
61-0315/D	KC-135R	100th ARW		09-9211	C-17A	62nd AW	
63-7999/D	KC-135R	100th ARW		165313/AX-313	C-130T	VR-53	
N504DN	A350-941	Delta Air Lines		N464MC	B747-446	Atlas Air	
N668CP	B737-76N	Hillwood Airways		N761AJ	B777-223ER	American Airlines	
N464MC	B747-446	Atlas Air		N2352U	B777-322ER	United Airlines	
N641GT	B767-38EER	Atlas Air		LZ-AWZ	A330-223	GullivAir	





Another nice Brussels visitor was Cessna 560XLS+ EM-805, operated by Emniyet, a branch of the Turkish Ministry of Interior. It was photographed on 16 September 2021 by Dino van Doorn.

A7-BAW	B777-3DZER	Qatar Airways		97-0047	C-17A	437th AW	
A7-BEB	B777-3DZER	Qatar Airways		98-0054	C-17A	437th AW	
A7-BEC	B777-3DZER	Qatar Airways		00-0181	C-17A	167th AS (WV ANG)	30
ET-ATK	B787-8	Ethiopian Airlines		00-0183	C-17A	156th AS (NC ANG)	
27.762	A330-243MRTT	RSinAF/112sq		03-3124	C-17A	437th AW	
88-0266	C-17A	437th AW	31	ET-ATK	B787-8	Ethiopian Airlines	
89-1191	C-17A	137th AS (NY ANG)		N782CK	B747-4HQF	Kalitta Air	
90-0534	C-17A	437th AW		N181DN	B767-332ER	Delta Air Lines	
95-0104	C-17A	155th AS (TN ANG)		N2138U	B777-322ER	United Airlines	
95-0106	C-17A	62nd AW		N2331U	B777-322ER	United Airlines	
96-0002	C-17A	437th AW		N708JH	G-V	US Dept of Justice	
96-0003	C-17A	62nd AW	31	29.87-0036	C-5M	436th AW	
97-0048	C-17A	89th AS (AFRC)		82-0193	KC-10A	60th AMW	
98-0053	C-17A	62nd AW		85-0033	KC-10A	60th AMW	
98-0054	C-17A	437th AW		97-0046	C-17A	437th AW	31
01-0191	C-17A	436th AW		00-0178	C-17A	89th AS (AFRC)	
02-1107	C-17A	156th AS (NC ANG)		01-0192	C-17A	137th AS (NY ANG)	
02-1108	C-17A	62nd AW		02-1109	C-17A	62nd AW	
05-5151/HH	C-17A	15th Wing/535th AS	29	04-4130	C-17A	305th AMW	
06-6154	C-17A	60th AMW		04-4131	C-17A	305th AMW	
06-6158	C-17A	60th AMW		A7-BAV	B777-3DZER	Qatar Airways	
06-6164	C-17A	60th AMW		4O-AOA	ERJ195LR	Air Montenegro	
07-7172	C-17A	60th AMW		N819CA	A330-243	National Airlines	
07-7177	C-17A	436th AW		N510DN	A350-941	Delta Air Lines	
07-7188	C-17A	437th AW		N821SY	B737-8FH	Sun Country	
08-8197	C-17A	62nd AW		N703CK	B747-412F	Kalitta Air	
08-8198	C-17A	437th AW		N963CA	B757-223	National Airlines	
08-8203	C-17A	62nd AW		N1201P	B767-332ER	Delta Air Lines	
09-9208	C-17A	437th AW		N2138U	B777-322ER	United Airlines	
99-6143	C-32B	150th SOS (NJ ANG)		N2352U	B777-322ER	United Airlines	
92-1451	C-130H-2	169th AS (IL ANG)		N2644U	B777-322ER	United Airlines	
9H-XFW	A319-112	HiFly Malta		30.762	A330-243MRTT	RSinAF/112sq	
A7-BAS	B777-3DZER	Qatar Airways		86-0035	KC-10A	305th AMW	
A7-BEC	B777-3DZER	Qatar Airways		95-0104	C-17A	155th AS (TN ANG)	
A9C-FE	B787-9	Gulf Air		98-0054	C-17A	437th AW	
A9C-TB	A320-251N	Gulf Air		99-0058	C-17A	62nd AW	
CS-TRJ	A321-231	HiFly		00-0180	C-17A	758th AS (AFRC)	
JY-JVB	A330-203	Jordan Aviation		00-0183	C-17A	156th AS (NC ANG)	
LZ-AWZ	A330-223	GullivAir		04-4128	C-17A	305th AMW	
LZ-AWZ	A330-223	GullivAir		06-6164	C-17A	60TH AMW	
OH-WIC	CL-604	JetFlite		06-6165	C-17A	436TH AW	
N276GX	A320-214	Global X		07-7172	C-17A	60TH AMW	
N277GX	A321-231	Global X		08-8198	C-17A	437th AW	
N504DN	A350-941	Delta Air Lines		166694	C-40A	VR-56	
N510DN	A350-941	Delta Air Lines		16-5853	C-130J-30	317th AW	
N640GT	B767-3S1ER	Atlas Air		N510DN	A350-941	Delta Air Lines	
N1201P	B767-332ER	Delta Air Lines		N465MC	B747-446	Atlas Air	
N2331U	B777-322ER	United Airlines		N480MC	B747-422	Atlas Air	
28.94-0070	C-17A	167th AS (WV ANG)	30	N181DN	B767-332ER	Delta Air Lines	
95-0107	C-17A	437th AW	30	N2645U	B777-322ER	United Airlines	
96-0002	C-17A	437th AW		N183PA	G-III	Phoenix Air	

A7-BAS	B777-3DZER	Qatar Airways	N828AX	B777-2U8ER	Omni Air International	CMB549
A7-BAW	B777-3DZER	Qatar Airways	A7-BAX	B777-3DZER	Qatar Airways	QTR7248/3255
A7-BEB	B777-3DZER	Qatar Airways	A7-BAY	B777-3DZER	Qatar Airways	QTR7256/3277
31.1608/F-UJCS	A330-243	ET03.060	A7-BEC	B777-3DZER	Qatar Airways	QTR7184/3293
103/XI	TBM-700A	ET00.060	CS-TKS	B767-36NER	euroAtlantic Airways	MMZ662
762	A330-243MRTT	RSinAF/112sq	02.762	A330-243 MRTT	RSinAF/112sq	Singa80
86-0032	KC-10A	305th AMW	A7-MAP	C-17A	Qatari AF	LHOB241
88-0266	C-17A	437th AW	79-1711	KC-10A	305th AMW	RCH091
96-0005	C-17A	137th AS (NY ANG)	89-1191	C-17A	137th AS (NY ANG)	RCH688
97-0048	C-17A	89th AS (AFRC)	90-0535	C-17A	89 AS (AFRC)	04 RCH560
00-0181	C-17A	167th AS (WV ANG)	95-0106	C-17A	62nd AW	RCH824
01-0191	C-17A	436th AW	98-0054	C-17A	437th AW	dep RCH550
02-1106	C-17A	62nd AW	00-0174/AK	C-17A	3rd Wing/517th AS	RCH838
06-6154	C-17A	60TH AMW	00-0181	C-17A	167th AS (WV ANG)	RCH849
06-6163	C-17A	60TH AMW	00-0182	C-17A	167th AS (WV ANG)	RCH813
08-8203	C-17A	62nd AW	02-1106	C-17A	62nd AW	dep RCH650
17-5870/LI	HC-130J	102nd RQS (NY ANG)	06-6157	C-17A	60th AMW	RCH865
58-0100/D	KC-135R	100th ARW	06-6158	C-17A	60th AMW	RCH837
A7-BAU	B777-3DZER	Qatar Airways	07-7172	C-17A	60th AMW	dep RCH185
A7-BAW	B777-3DZER	Qatar Airways	08-8203	C-17A	62nd AW	05 RCH107/111
CS-TRJ	A321-231	HiFly	60-0344	KC-135T	92nd ARW	RCH840
N510DN	A350-941	Delta Air Lines	9H-XFW	A319-112	HiFly	HFM323/322P
N480MC	B747-422	Atlas Air	A7-BAW	B777-3DZER	Qatar Airways	QTR7248/3255
N741CK	B747-4H6F	Kalitta Air	EC-LXA	A330-343	Iberorjet	EVE080P/9581
N181DN	B767-332ER	Delta Air Lines	N465MC	B747-446	Atlas Air	GTI8486/CMB375
N828AX	B777-2U8ER	Omni Air International	N480MC	B747-422	Atlas Air	GTI8484/CMB440
N2644U	B777-322ER	United Airlines	N481MC	B747-443	Atlas Air	GTI8488/CMB373
N183PA	G-III	Phoenix Air	N705KW	B767-336ER	Eastern Airlines	EA9102/CMB411
			N706KW	B767-336ER	Eastern Airlines	EA9122/CMB419
			N742CK	B747-446F	Kalitta Air	CMB163/CKS4166
01.762	A330-243 MRTT	RSinAF/112sq	N802NW	A330-323E	Delta Air Lines	DL8822/DL8958
50+36	C-160D	LTG62	N819AX	B777-2U8ER	Omni Air International	CMB522
86-0032	KC-10A	305th AMW	N821NW	A330-323E	Delta Air Lines	DL8824/DL8962
95-0104	C-17A	155th AS (TN ANG)	N846AX	B777-2U8ER	Omni Air International	CMB541
97-0042	C-17A	155th AS (TN ANG)	03.762	A330-243 MRTT	RSinAF/112sq	Singa80
98-0053	C-17A	62nd AW	50+36	C-160D	LTG62	GAF419
00-0181	C-17A	167th AS (WV ANG)	97-0046	C-17A	437th AW	RCH148/807
00-0183	C-17A	156th AS (NC ANG)	02-1107	C-17A	156th AS (NC ANG)	RCH884
02-1107	C-17A	156th AS (NC ANG)	03-3124	C-17A	437th AW	RCH841
06-6163	C-17A	60th AMW	07-7174	C-17A	436th AW	10 RCH155/825
07-7181	C-17A	437th AW	60-0344	KC-135T	92nd ARW	RCH840
07-7185	C-17A	437th AW	63-8887/D	KC-135R	100th ARW	Evac10E2
07-7187	C-17A	437th AW	N480MC	B747-422	Atlas Air	GTI8490/CMB374
08-8203	C-17A	62nd AW	N963CA	B757-223	National Airlines	NCR8309
10-0214	C-17A	437th AW	N2138U	B777-322ER	United Airlines	UA2585/2574
02-5001	C-32B	150th SOS (NJ ANG)	SP-LWB	B737-89P	LOT Polish Airlines	LOT7025/7026
58-0100/D	KC-135R	100th ARW	SP-LNG	ERJ195AR	LOT Polish Airlines	LOT7029/7030
95-0121	E-8C	116th ACW (GA ANG)	ZS-TGY	B737-5Y0	Africa Charter Airline	
N802NW	A330-323E	Delta Air Lines	04.762	A330-243 MRTT	RSinAF/112sq	Singa80
N480MC	B747-422	Atlas Air	90-0535	C-17A	89 AS (AFRC)	RCH560
N181DN	B767-332ER	Delta Air Lines				



Royal Danish Air Force CL-604 C-168 was one of the participants of the Malta Air Show and seen arriving and photographed by Frank Call on 23 September 2021. The Challenger is one of four operated by Eskadrille 721 from its base at Alborg.





Robert Erenstein visited Payerne on 20 October 2021 and photographed a lot of Swiss Air Force action. One of the active F-5Es was J-3095, mated to a rather inconspicuous fuel-tank. And is that a small painted edelweiss on its nose, the national flower of Switzerland?

97-0041	C-17A	437th AW	RCH1815	N429MC	B747-481F	Atlas Air	GTI8372/CMB134
00-0182	C-17A	167th AS (WV ANG)		N963CA	B757-223	National Airlines	CMB545
06-6157	C-17A	60th AMW	RCH865/354	N312AA	B767-223ERF	ABX Air	CMBDQ1/ABX2271
10-0213	C-17A	437th AW	RCH452	N703KW	B767-336ER	Eastern Airlines	EA9812/CMB417
01-0015	C-40A	89th AW	SAM251	N706KW	B767-336ER	Eastern Airlines	EA9127/CMB416
63-8025	KC-135R	92nd ARW	RCH147	N2644U	B777-322ER	United Airlines	UA2585/2578
63-8887/D	KC-135R	100th ARW	Evac10E2	09.87-0038	C-5M	68th AS (AFRC)	RCH821
N465MC	B747-446	Atlas Air	GTI8492/CMB377	96-0001	C-17A	758th AS (AFRC)	RCH859
N716CK	B747-4B5F	Kalitta Air	CMB161	00-0171/AK	C-17A	3rd Wing/517th AS	RCH873
N729CA	B747-412F	National Airlines	CMB143/NCR8143	01-0192	C-17A	137th AS (NY ANG)	
N2645U	B777-322ER	United Airlines	UA2587/2576	01-0196	C-17A	167th AS (WV ANG)	RCH878
9H-XFW	A319-112	HiFly	HFM323/322P	03-3119	C-17A	183rd AS (MS ANG)	RCH547
EC-LXA	A330-343	Iberojet	EVE082P/9582	07-7184	C-17A	437th AW	RCH858
05.762	A330-243 MRTT	RSinAF/112sq	Singa80	07-7186	C-17A	437th AW	12 RCH845
03	C-17A	SAC	Bartok45	07-7188	C-17A	437th AW	dep RCH857
87-0040	C-5M	436th AW	RCH613	08-8202	C-17A	62nd AW	RCH166
10-0213	C-17A	437th AW	RCH452	10-0216	C-17A	62nd AW	RCH531
N742CK	B747-446F	Kalitta Air	CMB166	165313/AX-313	C-130T	VR-53	CNV6507
N2138U	B777-322ER	United Airlines	UA2587/2576	F-GSLZ	Falcon 10	Hamony Jets	HMJ208
N2644U	B777-322ER	United Airlines	UA2589/CMB587	N802NW	A330-323E	Delta Air Lines	DL8824/DL8962
EC-LXA	A330-343	Iberojet	EVE083P/9583	N821NW	A330-323E	Delta Air Lines	DL8823/DL8957
06.03	C-17A	SAC	Bartok05	N952CA	B747-428F	National Airlines	CMB141
00-0182	C-17A	167th AS (WV ANG)	RCH813/896	N342AX	B767-328ER	Omni Air International	CMB565
01-0189	C-17A	155th AS (TN ANG)	RCH633	N703KW	B767-336ER	Eastern Airlines	EA9107/CMB409
98-0002	C-32A	89th AW	SAM248	N706KW	B767-336ER	Eastern Airlines	EA9128/CMB415
90-1791	C-130H	180th AS (MO ANG)	24 RCH551	N706KW	B767-336ER	Eastern Airlines	CMB415/CMB539
N486AX	B767-36NER	Omni Air International	CMB518	N2645U	B777-322ER	United Airlines	UA2589/2575
N705KW	B767-336ER	Eastern Airlines	EA9106	10.146/XR	TBM-700A	ET00.041	CTM3823
N706KW	B767-336ER	Eastern Airlines	EA9126/CMB420	07-7174	C-17A	436th AW	16 RCH825/Bandage05
N2645U	B777-322ER	United Airlines	UA2585/2575	07-7188	C-17A	437th AW	RCH857
07.762	A330-243 MRTT	RSinAF/112sq	Singa80	N803NW	A330-323E	Delta Air Lines	DL8822/DL8825
08-8203	C-17A	62nd AW	20 RCH111/245	N429MC	B747-481F	Atlas Air	CMB134/GTI8371
N312AA	B767-223ERF	ABX Air	ABX2270/CMBDQ1	N641GT	B767-38EER	Atlas Air	GTI8386/CMB307
N378AX	B767-33AER	Omni Air International	CMB527	N2645U	B777-322ER	United Airlines	UA2585/CMB586
N2138U	B777-322ER	United Airlines	UA2587/CMB523	11.87-0029	C-5M	60th AMW	RCH037
N2645U	B777-322ER	United Airlines	UA2585/2575	88-0266	C-17A	437th AW	dep RCH535
08.011	C-295M	13 ELTr	PLF040	00-0176	C-17A	155th AS (TN ANG)	RCH190/624
762	A330-243 MRTT	RSinAF/112sq	Singa80	03-3119	C-17A	183rd AS (MS ANG)	13 RCH547
15+02	A319-133X	FBS BMVg	GAF843	07-7172	C-17A	60th AMW	RCH536
00-0182	C-17A	167th AS (WV ANG)	RCH896	09-9210	C-17A	62nd AW	RCH893
10-0216	C-17A	62nd AW	RCH531	10-0215	C-17A	437th AW	RCH100/923
98-0002	C-32A	89th AW	SAM248	59-1511	KC-135R	116th ARS (WA ANG)	RCH388
165313/AX-313	C-130T	VR-53	CNV6507	N403KZ	B747-481F	Kalitta Air	CMB161/CKS4205

N2644U	B777-322ER	United Airlines	UA2576/UA2577	87-0031	C-5M	337th AS (AFRC)	RCH876
12.85-0008	C-5M	436th AW	16 RCH670	98-0056/AK	C-17A	3rd Wing/517th AS	RCH830
01-0196	C-17A	167th AS (WV ANG)	16 RCH878/875	00-0180	C-17A	758th AS (AFRC)	RCH690
06-6157	C-17A	60th AMW	RCH894	04-4128	C-17A	305th AMW	RCH806
06-6163	C-17A	60th AMW	RCH180	07-7170	C-17A	436th AW	RCH801
07-7172	C-17A	60th AMW	RCH536	07-7188	C-17A	437th AW	RCH550/840
07-7188	C-17A	437th AW	RCH857/605	10-0213	C-17A	437th AW	21 RCH303
09-9211	C-17A	62nd AW	RCH847	165835	C-40A	VR-57	CNV6617
13.08-8202	C-17A	62nd AW	RCH846/166	N641GT	B767-38EER	Atlas Air	CMB180/GTI8033
N464MC	B747-446SF	Atlas Air	GTI8088/CMB118	20.01	C-17A	SAC	Bartok99
N702CK	B747-4B5F	Kalitta Air	CMB166	MM62178	C-130J	46 <sup>th</sup> BA	IAM4679
14.104/XJ	TBM-700A	ET43	CTM0072/1308	86-0024	C-5M	60th AMW	22 RCH543/024
LJ-3	Lj35A	TükiLLv	FNF222	95-0104	C-17A	155th AS (TN ANG)	RCH800
84002/842	Tp84	71 Airlift sq	SVF852	99-0058	C-17A	62nd AW	RCH808
03-3113	C-17A	183rd AS (MS ANG)	RCH215	04-4130	C-17A	305th AMW	RCH867
03-3119	C-17A	183rd AS (MS ANG)	17 RCH547	05-5142	C-17A	729th AS (AFRC)	RCH851
06-6163	C-17A	60th AMW	RCH180	07-7182	C-17A	437th AW	RCH804
N706KW	B767-336ER	Eastern Airlines	CMB539	N481MC	B747-443	Atlas Air	GTI8088/CMB118
15.H27	A109BA	1 Wing	BAF317	21.01	C-17A	SAC	Bartok50
2601	L-410UVP-E20	242.tsl	CEF116	98-0056/AK	C-17A	3rd Wing/517th AS	RCH830
146/XR	TBM-700A	ET00.041	CTM0031/3831	02-1106	C-17A	62nd AW	28 RCH270/828
15+02	A319-133X	FBS BMVg	GAF847	04-4128	C-17A	305th AMW	RCH806
607	Falcon 7X	MH 59. Sz.D. REB.	HuAF686	04-4130	C-17A	305th AMW	23 RCH867
08	C-27J	Lithuanian AF	LYF261	08-8192	C-17A	62nd AW	RCH237
TR.20-01/403-11	Ce560	403 Esc	AME0312	08-8203	C-17A	62nd AW	28 RCH245/176
MM62207	P180AM	71 <sup>o</sup> Gruppo	IAM1496	22.01	C-17A	SAC	Bartok50
T-786	PC-24	LTDB	SUI511/526	07-7183	C-17A	437th AW	RCH171
1962	C-27J	Dopravné křídlo	SQF021	07-7188	C-17A	437th AW	RCH840/333
92-004	Ce650	212 Filo	TuAF128	10-0213	C-17A	437th AW	24 RCH303
ZE707	BAe146 C3	32(TR)sq	RRR1303	N481MC	B747-443	Atlas Air	CMB118/GTI8089
01-0189	C-17A	155th AS (TN ANG)	17 RCH605	N702CK	B747-4B5F	Kalitta Air	CMB162
05-4613	C-40C	73rd AS (AFRC)	Spar12	N312AA	B767-223ERF	ABX Air	ABX2270/CMBDQ1
N344KD	B747-446F	Western Global Airlines		N662GT	B767-31AER	Atlas Air	GTI8038/CMB119
N464MC	B747-446SF	Atlas Air	CMB118/GTI8089	23.87-0045	C-5M	436th AW	27 RCH940
N702CK	B747-4B5F	Kalitta Air	CMB162	00-0182	C-17A	167th AS (WV ANG)	RCH803
N645GT	B767-324ER	Atlas Air	GTI8038/CMB119	04-4132	C-17A	305th AMW	RCH269
N705KW	B767-336ER	Eastern Airlines	CMB537	10-0217	C-17A	62nd AW	25 RCH262
16.H27	A109BA	1 Wing	BAF317	N473MC	B747-45EF	Atlas Air	GTI8372/CMB135
08	C-27J	Lithuanian AF	LYF261	N312AA	B767-223ERF	ABX Air	CMBDQ1/ABX2271
1962	C-27J	Dopravné křídlo	SQF006	N662GT	B767-31AER	Atlas Air	CMB119/GTI8039
2601	L-410UVP-E20	242.tsl	CEF117	24.86-0017	C-5M	436th AW	26 RCH921
T-784	Ce560XL	LTDB	SUI011	02-1100	C-17A	155th AS (TN ANG)	RCH145
TR.20-01/403-11	Ce560	403 Esc	AME0312	04-4132	C-17A	305th AMW	RCH269
LJ-3	Lj35A	TükiLLv	FNF223	07-7188	C-17A	437th AW	RCH333/105
MM62286	P180AM	71 <sup>o</sup> Gruppo	IAM1496	N473MC	B747-45EF	Atlas Air	CMB135/GTI8371
ZE707	BAe146 C3	32(TR)sq	RRR1303	25.10-0213	C-17A	437th AW	RCH303
604	A319-112	MH 59. Sz.D. REB.	HuAF687	167108/QB-108KC-130J	VMGR-352		Raider52
87-0029	C-5M	60th AMW	RCH881	169226/QB-226KC-130J	VMGR-352		Raider51
96-0005	C-17A	137th AS (NY ANG)	RCH680	12-3060	C-146A	492nd SOW	RCH1040
97-0041	C-17A	437th AW	RCH1815	N708CK	B747-4B5F	Kalitta Air	CMB166
01-0191	C-17A	436th AW	RCH230	N716CK	B747-4B5F	Kalitta Air	CMB161
03-3123	C-17A	167th AS (WV ANG)	RCH840	26.00-0182	C-17A	167th AS (WV ANG)	
07-7188	C-17A	437th AW	RCH605/550	10-0213	C-17A	437th AW	RCH303
900530	C-26D	AOD Sigonella	CNV6413	165835	C-40A	VR-57	CNV6626
N645GT	B767-324ER	Atlas Air	CMB119/GTI8039	N183PA	G-III	Phoenix Air	GRB500
17.92-004	Ce650	212 Filo	TuAF128	27.CC-3	C-295M	TükiLLv	FNF256
2703	C-27J	Esc.902 Av.Tr.si Foto OAN2604/ROF307		110/XP	TBM-700A	ET41	CTM3811
85-0008	C-5M	436th AW	19 RCH670	85-0008	C-5M	436th AW	RCH300/429
87-0031	C-5M	337th AS (AFRC)	RCH876	01-0192	C-17A	137th AS (NY ANG)	RCH850
00-0178	C-17A	89 AS (AFRC)	RCH102	07-7174	C-17A	436th AW	RCH391
03-3123	C-17A	167th AS (WV ANG)	25 RCH840/813	07-7187	C-17A	437th AW	RCH137/404
07-7171	C-17A	305th AMW	RCH870	N465MC	B747-446	Atlas Air	GTI8088/CMB118
07-7174	C-17A	436th AW	27 Bandage05/RCH391	28.14+05	Global 6000	FBS BMVg	GAF650
09-9210	C-17A	62nd AW	RCH855	86-0015	C-5M	60th AMW	30 RCH922
99-6143	C-32B	150th SOS (NJ ANG)	RCH747	00-0182	C-17A	167th AS (WV ANG)	30 RCH877
08-0047	CV-22B	352nd SOW	Surge81	00-0183	C-17A	156th AS (NC ANG)	RCH044
N641GT	B767-38EER	Atlas Air	GTI8032/CMB189	07-7171	C-17A	305th AMW	RCH880
18.97-0046	C-17A	437th AW	RCH804	165835	C-40A	VR-57	CNV6628
00-0180	C-17A	758th AS (AFRC)	RCH690	63-8008/D	KC-135R	100th ARW	Quid15
01-0191	C-17A	436th AW	RCH230	N710CK	B747-4B5F	Kalitta Air	CMB162
06-6164	C-17A	60th AMW	21 RCH392	N952CA	B747-428F	National Airlines	CMB141
07-7170	C-17A	436th AW	RCH801	N183PA	G-III	Phoenix Air	GRB500/501
07-7171	C-17A	305th AMW	RCH870	29.98-0054	C-17A	437th AW	RCH146
N702CK	B747-4B5F	Kalitta Air	CMB161/CKS4205	00-0183	C-17A	156th AS (NC ANG)	RCH044
N744CK	B747-446F	Kalitta Air	CMB166	02-1106	C-17A	62nd AW	RCH828
19.146/XR	TBM-700A	ET41	CTM3819	08-8203	C-17A	62nd AW	RCH176/270





Probably a short hop for this Global Express, Malaysian Air Force's M48-02 visited Singapore-Changi on 7 September 2021. The aircraft, operated by 2 Skuadron was photographed by Hans Jacobs.

165835	C-40A	VR-57	CNV6629	11.05-5143	C-17A	89 AS (AFRC)	RCH262
90-26260	UH-60L	A/2-1 Avn	Army26260	07-7184	C-17A	437th AW	RCH609
93-26478	UH-60L	A/2-1 Avn	Army26478	12.02-1105	C-17A	62nd AW	RCH809
N662GT	B767-31AER	Atlas Air	GTI8038/CMB119	08-8194	C-17A	62nd AW	RCH632
30.03	C-17A	SAC	Bartok98	13.00-0180	C-17A	758th AS (AFRC)	15 RCH835
86-0015	C-5M	60th AMW	RCH922	99-0004	C-32A	89th AW	SAM298
99-0059	C-17A	62nd AW	RCH888	165835	C-40A	VR-57	CNV6614
00-0175	C-17A	305th AMW	RCH923	14.96-0005	C-17A	137th AS (NY ANG)	RCH680
00-0182	C-17A	167th AS (WV ANG)	RCH877	64-14849/OF	RC-135U	55th Wing	Jake31
01-0196	C-17A	167th AS (WV ANG)	RCH890	15.00-0171/AK	C-17A	3rd Wing/517th AS	RCH816
06-6163	C-17A	60th AMW	RCH223	17.12-5772	AC-130J	73th SOS	RCH1002
07-7187	C-17A	437th AW	RCH404/137	14-5797	AC-130J	73th SOS	RCH1006
09-9205	C-17A	437th AW	RCH823	14-5803	AC-130J	73th SOS	RCH1004
900528	C-26D	AOD Sigonella	CNV6429	18.87-0028	C-5M	60th AMW	RCH817
93-26478	UH-60L	A/2-1 Avn	Army26478	95-0104	C-17A	155th AS (TN ANG)	RCH800
96-26707	UH-60L	A/2-1 Avn	Army26707	98-0054	C-17A	437th AW	RCH839
N356KD	B747-446F	Western Global Airlines	KD8186	19.00-0178	C-17A	89 AS (AFRC)	RCH943
N465MC	B747-446	Atlas Air	CMB118/GTI8089	20.00-0175	C-17A	305th AMW	RCH841
N702CA	B747-412F	National Airlines	CMB141	21.84-00162	C-12U	E/1-214 Avn	Duke11
N662GT	B767-31AER	Atlas Air	CMB119/GTI8039	22.04-4138	C-17A	729th AS (AFRC)	RCH802
				30+05	EF-2000(T)	TLG31	Ranger *
				23.62	IAR330L	Esc.713	ROF221A
				97	IAR330M	Esc.713	ROF221B
				09-05601	AH-64D	1-3 Avn	Cobra19
				24.02-1101	C-17A	758th AS (AFRC)	30 RCH861
				04-4138	C-17A	729th AS (AFRC)	RCH802
				25.01-0191	C-17A	436th AW	RCH390
				01-0192	C-17A	137th AS (NY ANG)	RCH850
				26.01-0191	C-17A	436th AW	RCH390
				N640GT	B767-3S1ER	Atlas Air	GTI8540/CMB503
				27.62	IAR330L	Esc.713	ROF221A
				97	IAR330M	Esc.713	ROF221B
				84-00156	C-12U	E/1-214 Avn	Duke11 *
				59-1464/D	KC-135T	100th ARW	Quid14
				28.16-5840/RS	C-130J-30	86th AW/37th AS	Herky21 *
				59-1464/D	KC-135T	100th ARW	29 Quid14
				09-05601	AH-64D	1-3 Avn	Cobra19
				29.84-00156	C-12U	E/1-214 Avn	Duke15
				30.84-00157	C-12U	E/1-214 Avn	Duke11
				04-4128	C-17A	305th AMW	RCH795

Credits: MAR, Ronny Jansen, Scramble Messageboard

Spangdahlem September 2021

01.85-0004	C-5M	436th AW	03 RCH515
87-0041	C-5M	337th AS (AFRC)	03 RCH874
00-0171/AK	C-17A	3rd Wing/517th AS	dep RCH419
05-5151/HH	C-17A	15th Wing	05 RCH830/045
N640GT	B767-3S1ER	Atlas Air	GTI8038/CMB119
02.07-7172	C-17A	60th AMW	RCH185
30+54	EF-2000(T)	TLG31	NO02 *
87-0036	C-5M	436th AW	dep RCH659
03.87-0038	C-5M	68th AS (AFRC)	07 RCH821
30+99	EF-2000(T)	TLG31	NO11T *
N640GT	B767-3S1ER	Atlas Air	CMB119/GTI8039
04.01-0189	C-17A	155th AS (TN ANG)	RCH633
02-1107	C-17A	156th AS (NC ANG)	06 RCH884
04-0688	U-28A	318th SOS	RCH1020
05-0446	U-28A	318th SOS	RCH1016
07-0808	U-28A	318th SOS	RCH1018
05.89-1190	C-17A	167th AS (WV ANG)	RCH634
01-0193	C-17A	437th AW	RCH409
87-0040	C-5M	436th AW	18 RCH613
84-00157	C-12U	E/1-214 Avn	Duke11
84-00165	C-12U	E/1-214 Avn	Duke15
08.01-0178	C-17A	9th AS (AFRC)	RCH822
01-0192	C-17A	137th AS (NY ANG)	RCH850
18-1942	C-37A	89th AW/99th AS	SAM242
09.01-0193	C-17A	437th AW	RCH409
03-3116	C-17A	183rd AS (MS ANG)	RCH675
10.87-0036	C-5M	436th AW	RCH250
00-0178	C-17A	89 AS (AFRC)	RCH645

Credits: MAR, Scramble Messageboard

United Kingdom

RAF Fairford		September 2021	
13.10-0052	CV-22B	352nd SOW/7th SOS	17 Knife71
10-0053	CV-22B	352nd SOW/7th SOS	17 Knife72
09-6207	MC-130J	352nd SOW/67th SOS	Strix67
12-5759	MC-130J	352nd SOW/67th SOS	Strix78
61-0315/D	KC-135R	100th ARW	Lager569
62-3551/D	KC-135R	100th ARW	Lager660

63-8008/D	KC-135R	100th ARW	Quid44/Lager512	85-0032	KC-10A	305th AMW	Spur62
59-1464/D	KC-135T	100th ARW	Quid14/41	11.XW213	Puma HC1	RAF Benson Pool	Warlock1/2 flypast
59-1470/D	KC-135T	100th ARW	Lager509	ZJ955	Puma HC1	RAF Benson Pool	Warlock1/2 flypast
64-14849/OF	RC-135U	55th Wing	Jake31	12.ZH899	Hercules C5	24/47sq	Albert02/03
62-4126/OF	RC-135W	55th Wing	17 Jake11	01-0191	C-17A	436th AW	RCH600
15.80-1080	U-2S	9th RW	Dragon88	13.ZZ176	C-17A	24/99sq	RRR829/812 *
60-0335/D	KC-135R	100th ARW	Lager502/Quid42	84-0085	C-21A	86th AW/76th AS	Valor21
16.80-1092	U-2S	9th RW	Dragon31	ZM333	Phenom T1	45sq	CWL55/58 *
18.97-0041	C-17A	437th AW	RCH1815	ZZ419	Shadow R1	14sq	Serpent49 *
26.86-0015	C-5M	68th AS (AFRC)	RCH922	15.86-0165/LN	F-15C	48th Fighter Wing	Rambo11 *
N645GT	B767-324ER	Atlas Air	CMV505	86-0159/LN	F-15C	48th Fighter Wing	Rambo12 *
07-7171	C-17A	305th AMW	RCH879	N344KD	B747-446F	Western Global Airlines	CMB186

Credits: MAR, Scramble Messageboard

RAF Lakenheath

07.07-8608/RS	C-130J-30	86th AW/37th AS	Herky622	16.01-0191	C-17A	436th AW	RCH230
08.84-0085	C-21A	86th AW/76th AS	Falcon03	03-3176/RS	C-130J-30	86th AW/37th AS	Herky780
09.84-0083	C-21A	86th AW/76th AS	Falcon03	86-0171/LN	F-15C	48th Fighter Wing	Grim01-04
20.16-5883	C-130J-30	86th AW/37th AS	Herky632	86-0165/LN	F-15C	48th Fighter Wing	Grim01-04
24.ZK020/K	Hawk T2	4sq	27 Axis11	86-0159/LN	F-15C	48th Fighter Wing	Grim01-04
ZK035/FK	Hawk T2	25sq	27 Axis12	98-0133/LN	F-15E	48th FW/492nd FS	Grim01-04
28.84-0085	C-21A	86th AW/76th AS	Falcon56	16-5862	MC-130J	1st SOW/9th SOS	RCH1030
29.84-0087	C-21A	86th AW/76th AS	Falcon57	08-6206	MC-130J	1st SOW/9th SOS	RCH1032

Credit: MAR

RAF Mildenhall

01.79-1711	KC-10A	305th AMW	RCH326/591	17.00-0185/AK	C-17A	3rd Wing/517th AS	RCH138
87-0119	KC-10A	60th AMW	RCH327/227	18.16-5883/RS	C-130J-30	86th AW/37th AS	Herky779
00-0176/AK	C-17A	3rd Wing/517th AS	RCH419	88-1301	AC-130W	1st SOW/9th SOS	20 RCH1036
91-0307/LN	F-15E	48th Fighter Wing	Bolar32 *	20.58-0118	KC-135R	92nd ARW	21 RCH575
91-0320/LN	F-15E	48th Fighter Wing	Bolar32 *	62-4126/OF	RC-135V	55th Wing	Hoover4/Olive552
84-0191	KC-10A	60th AMW	04 RCH852/025	22.N312AA	B767-223ERF	ABX Air	ABX2270
86-0038	KC-10A	60th AMW	04 RCH842/023	23.57-1483	KC-135R	92nd ARW	RCH150
02.90-0535	C-17A	89 AS (AFRC)	RCH560	ZM142	F-35B	207sq	MRH107 *
63-9792/OF	RC-135V	55th Wing	Olive92	09-9211	C-17A	62nd AW	RCH393/832
59-1486	KC-135R	92nd ARW	RCH147	24.ZZ175	C-17A	24/99sq	RRR829 *
08-8198	C-17A	437th AW	RCH510	84-0096	C-21A	86th AW/76th AS	Valor99 *
56-3976	KC-135R	6th ARW	04 RCH867	59-1474	KC-135T	171st ARS (MI ANG)	26 RCH435
07.N312AA	B767-223ERF	ABX Air	ABX2270	25.12-3060	C-146A	27th SOW/524th SOS	RCH1040
09.ZZ176	C-17A	24/99sq	Comet53 *	04-4132	C-17A	305th AMW	RCH269
86-0029	KC-10A	60th AMW	Gold81/Spur61	E-6B	E-6B	VQ-4	Shadow477
85-0032	KC-10A	305th AMW	Gold82/Spur62	26.12-3060	C-146A	27th SOW/524th SOS	RCH1040
ZJ182	Apache AH1	3/4 Regiment	Demon01 *	02-4452	C-32B	150th SOS (NJ ANG)	Mezzo79
ZZ665	RC-135W	51sq	Goose41	27.59-1506	KC-135R	191st ARS (UT ANG)	RCH241
N952CA	B747-428F	National Airlines	CMB141	N952CA	B747-428F	National Airlines	CMB141
10.60-0316	KC-135R	191st ARS (UT ANG)	RCH420	29.N356KD	B747-446F	Western Global Airlines	CMB186
01-0191	C-17A	436th AW	RCH600	30.02-4452	C-32B	150th SOS (NJ ANG)	Mezzo79
58-0016	KC-135R	92nd ARW	RCH109	N702CA	B747-412F	National Airlines	CMB141
86-0029	KC-10A	60th AMW	Spur61				

Credits: MAR, Scramble Messageboard



Tim Wolfe supplied a photo of KC-46A 18-46041, flown by the Edwards AFB Flight Test Unit, testing the Wing Aerial Refueling Pod System (WARPS). It is on a two month TDY for testing the system with F-15s and was seen landing at Seymour Johnson AFB, NC on 29 September 2021.



# Civil News



Lufthansa Cargo phased out the MD-11F last October. It postponed the retirement of its last remaining MD-11F D-ALCC by an additional two days, as it decided at the last moment to deploy it on two more JFK rotations, while maindeck capacity remains in high demand. Therefore the last commercial Lufthansa Cargo MD-11F flight took off at New York-JFK (NY) on Sunday evening 16 October and landed the following day at Frankfurt. The phase-out of the MD-11F with Lufthansa leaves FedEx, UPS and Western Global Airlines as the only three operators of the trijet. D-ALCC will join Western Global as N783SN and become the seventh ex-Lufthansa Cargo aircraft in their fleet. FedEx, the largest MD-11F operator, has four ex-Lufthansa MD-11Fs in its fleet, while UPS has now put into service all five of the ex-Lufthansa MD-11Fs it acquired at the end of 2019. Besides these aircraft now flying in the US, two other ex-Lufthansa Cargo MD-11F aircraft have been scrapped and one aircraft had been written-off during an accident (D-ALCO, 27 July 2021 at Riyadh). In total Lufthansa had operated nineteen MD-11Fs. This image shows one of the last landings of a Lufthansa Cargo MD-11 at Frankfurt on 9 October 2021. (Frank Schuchardt)

## Manufacturers News

### Airbus

#### A220

During the IATA summit in Boston early October, the Chief Commercial Officer of Airbus, Christian Scherer, said that he expected that they will indeed develop a larger A220-variant, the only question is when. The Airbus' COO noted that commercial aircraft programmes almost inevitably involve development of multiple variants. "This is a question of when, not a question of if," Scherer said when asked about a further A220 stretch. The current product line-up of the A220 consists of the baseline A220-100 (110 seats) and the stretched A220-300 (130 seats).

A larger version of the A220 – in many ways dubbed as a "A220-500" – is not a new idea. Speculation about this version has been going on for years. A A220-500 would be a direct competitor for Airbus's A319neo and Boeing's 737 MAX 7.

As of late October Airbus held orders for 33 A220-100s and 426 A220-300 aircraft. It had delivered 51 A220-100s and 122 A220-300s. Airbus acquired majority control of the A220 programme from Bombardier in 2018. It manufactures the jet in Montreal (Que.) and Mobile (AL).

If Airbus decided to build the A220-500, it can count of at least one major airline that has shown interest in the enlarged version. Ben Smith, Chief Executive Officer for KLM-Air France, has said that: "If Airbus builds a series -500, a larger model, a -400, whatever it calls it... We'd be very interested in that airplane". Air France is a major A220 customer, having ordered sixty A220-300s. It received its first one in September.

#### A321-200SDF

Sine Draco Aviation, a US and China-based company, has started induction of the prototype A321 for its passenger-to-freighter (P2F) conversion programme. The aircraft involved, which will be dubbed A321-200SDF (Sine Draco Freighter), is N668SD (msn 963) and was previously in use with AtlasGlobal. The A321 is being converted at Ascent Aviation in Tucson (AZ).

The company is aiming to get FAA Supplemental Type Certifi-

cate approval in the third quarter of 2022. Sine Draco is the third company offering A321-conversions, after Airbus/EFW and Precision Aircraft. It is currently unclear if the company already secured customers for its A321-200SDFs.

Freighter conversions have boomed during 2021 during a global capacity shortage for air freight amid ongoing demand for cargo shipments.

#### A330P2F

Leasing company Avolon has committed itself to thirty conversion slots for the IAI Bedek A330-300 passenger-to-freighter (P2F) conversion programme. Avolon will be the launch customer for this new A330 conversion. The converted freighter will have a range of more than 3,600 miles with a maximum payload of 61t. It will have 27 main deck pallet positions – one more than the competition – and its optimised door position will enhance cargo loading performance.

It is the second conversion programme from the A330. Elbe Flugzeugwerke (EFW), an ST Aerospace-Airbus joint venture based in Dresden, Germany, has an A330P2F conversion programme for -300 and -200 versions. EFW states on its website that the converted aircraft has up to 26 main deck positions, as well as lower deck positions. EFW's conversion programme was launched in 2012 and DHL Express took delivery of the first aircraft, an A330-300P2F, in 2017.

### Boeing

#### 767-300BCF/BDSF/SF

Boeing, together with Guangzhou Aircraft Maintenance Engineering Company (GAMECO), has announced plans to create additional capacity for its 767-300 Boeing Converted Freighter (BCF) programme, as the cargo market is booming at the moment. The agreement will expand freighter conversion capacity at GAMECO, opening two new 767-300BCF conversion lines next year.

GAMECO will be the first MRO in China to convert the 767-300 and the only MRO converting both the 767-300 and the 737-800. Earlier this year, GAMECO announced plans to open a third 737-800BCF conversion line.

767-300s are now converted at Taipei and Singapore-Paya Lebar (both locations do conversions for Boeing's own 767-300BCF programme and for the ST Engineering 767-300SF programme), and in Mexico City and Tel Aviv (IA Bedeks 767-300BDSF programme).

Boeing forecasts 1,720 freighter conversions will be needed over the next twenty years. Of those, 520 will be wide-body conversions, with Asian carriers accounting for more than 40% of that demand. The 767-300BCF has more than 95 orders and commitments.

777X

Bloomberg is reporting that Boeing is set to launch a freighter-version of its new B777X, and that the aircraft might be officially launched at the upcoming Dubai Air Show, which starts on 14 November 2021. According to the news-outlet, Boeing is in active discussions with DHL, Lufthansa, FedEx, Qatar Airways and Singapore Airlines about its new freighter. The launch of the freighter - Boeing's first new jet in four years - would see Boeing go head-to-head with Airbus, which recently announced its intention to launch a freighter version of its A350. Both manufacturers are fiercely competing for Qatar's business with their freighters. Qatar Airways is among the largest operators of the current 777 freighter and has been prodding Boeing and Airbus for new models that would meet tough pollution standards, that take effect in 2028. A deal with Boeing could include options and rights to convert some of Qatar's sixty 777X passenger jets on order to the cargo version, someone has said.

Although exact details about the B777X are unknown, it is expected to be sized between the B777-8 and the -9, which is similar as Airbus is doing with its A350F, which is sized between the -900 and -1000. Freighter orders for the 777X would help buoy the twin-aisle jet's profits until long-range travel recovers from the pandemic later this decade.

Airbus's board has already signed off on producing an A350 freighter by 2025, about two years ahead of when the new Boeing jet would be ready. Airbus expects to announce orders in Dubai.

## AVIC

AVIC Xian manufacturing has terminated its contracts with Pratt & Whitney Canada for the PW150C engine, which was destined for its MA700 turboprop. The MA700 platform is created to compete with the ATR72 and Dash 8, while being made in China, and seats 86 passengers. Since July 2018 P&WC has been requesting an export permit however this has been denied on various levels in Canada and the United States. The lack of a suitable power source jeopardises the future for the MA700 as current available engine options require large reengineering operations. Tightened restrictions from the United States also force designated systems in flight controls, APU and fuel to be reconsidered as these parts also include American made hardware/software. These challenges lead to more delays and could potentially flip the programme at all.

## Bombardier

In extension on our report about the CL-3500 in Scramble 509, Bombardier announced on 30 September 2021 that they have received a firm order for twenty CL-3500s from an undisclosed customer. Deliveries are expected to start in Q3 2022. Bombardier also announced to study on a clean-sheet design business jet that has to replace its light segment division presence following the stop of the Learjet production. However, at this moment no further details are known, we look forward to report updates in the near future.

## Embraer

On 11 October 2021 NetJets confirmed another purchase of 100 EMB505 Phenom 300E jets. This follow-up order trails the

original order of NetJets back in 2016, when they received 100 Phenom 300s in the original configuration. From Q2 2023 the first new Phenom 300Es will be delivered, both to the United States and Europe division.

## Gulfstream

During a live-stream event on 4 October 2021, Gulfstream Aerospace announced it will launch two new business jets, the G400 and G800. The G400 will fill the gap between the G280 and the G500, and has seating for up to eleven passengers. It features two Pratt & Whitney PW812GA engines and a 7,778 kilometres range. The engines are in the same PW800 range as the Gulfstream G500 and G600. The G800 will be the longest-range Gulfstream jet so far, as it boasts a range of 14,816 kilometres at Mach 0.85 cruise speed. The G800 is powered by two Rolls-Royce Pearl 700 engines, which also feature on the G700. The G800 will seat up to nineteen passengers, a number it shares with the G650(ER) and G700. The G800 will face off against the ultra long range business jets like the Falcon 10X and Global 7500/8000. During the ceremony a G800 was rolled out and deliveries will begin in 2023 already, while the first G400 deliveries are anticipated in 2025. The announcement brings the full Gulfstream line-up to the G280, G400, G500, G600, G650(ER), G700 and G800.

## Honda Aircraft

Following the success of the HA420, Honda decided to create a concept study of an extended version of their current airplane. At the NBAA 2021, held at Las Vegas (NV), Honda announced the HondaJet 2600. The main purpose of this concept is to gauge customer interest and feedback for this possible new aircraft. The HondaJet 2600 will feature the same configuration as the current HondaJet, including Natural Laminar Flow (NLF) technology on its wings and nose, the carbon composite fuselage and most noticeably, the Over-The-Wing Engine Mount. Compared to the HondaJet, the HondaJet 2600 will feature seating for eleven passengers instead of seven or eight, and a range of 2,625 miles. This will put the new jet close to the Citation Latitude for example, albeit with more passenger capacity. Honda has been quite successful with the HondaJet, as more than 200 have been built since its first delivery in 2015. It will be interesting to see whether the manufacturer will expand its stable of business jets.

## Textron Aircraft

After announcing the improved versions of the Cessna 525CJ4 Gen2, King Air 260/360(ER) Textron also announced in October 2021 two new versions of the Cessna 525M2 and Cessna 560XLS+. These new versions follow the trend of the CJ4 and are designated as Ce525M2 Gen2 and Ce560XLS Gen2. Both new Citation versions are focused on interior updates and enhancing the experience of both pilots and passengers. The M2 Gen2 features extra legroom for the co-pilot and a more robust interior. The XLS Gen2 features roughly the same upgrades, and also allows for an eco-friendlier cabin to be installed, with more renewable materials. Availability of the M2 Gen2 starts from Q1 2022 and the XLS Gen2 follows one quarter later.

## ZeroAvia

Hybrid power producer ZeroAvia has announced two new platform studies. One involves a hybrid powered DHC-8-400, were ZeroAvia teams up with Alaska Air. The second platform is a hybrid powered Dornier 228. Information gathered on the Dornier platform will also transfer to ZeroAvias own nineteen seat aircraft. For this version a total power source of 600kW will be used. The Dornier 228 will be tested with a modified 2MW (Megawatt) prototype and the Dash 8 requires a 5MW prototype. According to ZeroAvia the 600kW and 2MW power sources will be ready for demonstrations late 2022.





The Italian airline Neos was founded in 2001, as a joint venture between two tourism companies, the Italian Alpitour S.p.A. and the German TUI Group. In January 2004, Alpitour bought all of TUI Group's shares, making Neos a fully owned subsidiary of Alpitour and no longer affiliated with TUI. Earlier this year the airline took delivery of four Boeing 737 MAX 8s. Two were delivered on 31 March and two others were delivered on 9 June. EI-RZA was the first one to be delivered and arrived at homebase Milan-Malpensa on 31 March. Neos has two more 737 MAX 8s on order, which will be delivered in 2023. Besides the Boeing 737 MAX 8 the airline operates five Boeing 737-800s and six Boeing 787-9 Dreamliners. (Amsterdam-Schiphol, 9 October 2021, Paul Zegers)

## Europe

### Belgium

On 8 October, [Air Belgium](#) took delivery of its first of two A330-900s. The aircraft, OO-ABG (**1861**) was ferried on this date from Toulouse to Brussels. The airline will use its new A330neos to replace its fleet of three A340-300s. Air Belgium was outfitted its new aircraft 21 Premium- and 235 Economy Class seats and will, initially, deploy them on new routes between Brussels and Curaçao, Punta Cana and Mauritius.

### Denmark

[Danish Air Transport](#) will soon retire its final MD-83 and celebrated the upcoming occasion by conducting a special goodbye flight on 16 October. The aircraft, OY-RUE (49936) flew a special scenic 1,5-hour flight as DTR1 from and to Copenhagen. A day later the aircraft was used to fly passengers to Hurghada, where it's still on the ground. It's expected that the return-flight to Denmark will be the actual final MD-80-flight for DAT. Over the years, Danish Air Transport operated a total of five MD-80s: three MD-82s, one MD-83 and one MD-87. The first, the MD-87 arrived in 2009. The airline's fleet also features six ATR42s, nine ATR72s, two A320s and a single A321. Bulgarian Air Charter is now the only remaining European airline to operate the MD-80. The carrier has a fleet of nine MD-82s.

On 11 October, [Great Dane Airlines](#) was declared bankrupt and as a result ceased all operations with its three ERJ195s. The airline, which had its base at Aalborg, was founded in 2018 and offered charter and ACMI-flights. According to a press-release, the Corona-pandemic resulted in financial difficulties too big to overcome and continue to operate. Its three ERJ195s are now parked at Billund (OY-GDA, **19000213** and OY-GDC, **19000204**) and Copenhagen (OY-GDB, **19000184**).

### France

On 28 September, the first of 60 A220-300s arrived safely at Paris-Charles de Gaulle. The aircraft, F-HZUA (**55134**) was flown non-stop from the Airbus-factory at Mirabel, Canada. It has been named Le Bourget, reflecting the airline's connection with this historical French aviation location. Over the coming weeks, the aircraft, which is equipped with 148 seats, will be prepared for entry into commercial service, which is set for 31 October 2021. Initially, the type will be deployed

from Paris-Charles de Gaulle to Barcelona, Berlin, Madrid, Milan-Linate and Venice. Later, when more aircraft are delivered, the plan is to add Bologna, Copenhagen, Lisbon and Rome. This year, Air France will take delivery of five more A220-300s and have planned for fifteen deliveries next year. The airline will use the 60 A220s to replace its 18 A318s and 30 A319s as well as the oldest A320s in the fleet.

The [CMA CGM Group](#) has announced it has signed an order with Boeing for two new B777Fs. The news comes as a follow-up on our post of 14 September when we reported that the shipping giant was planning to expand its cargo flying business. This is the first order for new aircraft by CMA CGM, which currently owns four A330-200Fs that are being operated by Air Belgium. According to a job ad for B777-pilots it became clear that the new aircraft will be flown by CMA CGM itself out of Paris-Charles de Gaulle.

### Germany

On 17 October, [Lufthansa Cargo](#) carried out its final MD-11F flight. The aircraft involved, D-ALCC (**48783**) arrived from New York-JFK (NY) as DLH8161 and was welcomed by the traditional water-salute of the airport's fire brigade. Originally, the aircraft was to be retired earlier but operational reasons earned it another two round-trips to New York. Over the years, Lufthansa Cargo operated nineteen different MD-11Fs, of which the first was delivered in June 1998. D-ALCC has been part of the fleet since August 1998 and had special "Thank you MD-11, Farewell" stickers applied to its fuselage to commemorate the moment. The aircraft is now set to join the fleet of Western Global Airlines in the US.

### Greece

According to CH-Aviation, [Olympic Air](#) is set to replace its current fleet of eight DHC-8-400s with at least six leased ATR72s. The exact type of ATR72s and where it will lease them from is currently unknown. The news article states the airline will introduce the ATRs in March 2022 and will base them at Athens and Thessaloniki. Olympic Air, which is a subsidiary of Aegean Airlines, currently has a fleet of four ATR42-600s, two DHC-8-100s and the eight DHC-8-400s.

### Iceland

[Bluebird Nordic](#) has taken delivery of its first B737-800SF. The aircraft, TF-BBP (**29788**) is currently being readied for

entry into service at Kaunas and was previously in use with Turkish Airlines as TC-JGD. The delivery marks the start of the airline's announced expansion plan, which sees Bluebird Nordic take delivery of 25 B737-800SFs until 2024. Currently, the airline operates a fleet of one B737-300F and seven B737-400Fs.

During the presentation of the Q3-2021 results, Icelandair has announced it plans to lease three additional B737-8s. The airline is in final talks with lessors about the aircraft and wants to take delivery of the aircraft before the start of the 2022 summer season. Currently, the airline has nine MAXs in the fleet, six B737-8s and three B737-9s. Icelandair also has three more MAXs on order, which are planned to be delivered before the end of this year. The airline also confirmed its intention to finalise its search for additional new aircraft to replace its remaining B757s and B767s before the end of this year.

#### Ireland

Lessor and aviation asset management company Amedeo has signed a Letter of Intent with French electric-aircraft manufacturer Aura Aero for up to 200 of its new 19-seat ERA aircraft. Aura Aero announced its Electric Regional Aircraft in March this year and is planning to fly the prototype in 2024. The aircraft will be available in both passenger- and cargo-configuration and will be produced at the manufacturer's site at Toulouse-Francazal. Certification and deliveries to customers of the ERA is planned for 2026.

Avolon is the launch customer for IAI's A330-300 passenger-to-freighter (P2F) programme which it announced in 2020. The lessor has signed-up for 30 aircraft, which will be converted between 2025 and 2028. All aircraft are already owned by Avolon today. Both companies will also work together in securing the Supplemental Type Certificate for the converted A330-300s. With this order, Avolon is intending to become a major player in the leasing of cargo aircraft, with the market expanded to continue to grow due to an increase in worldwide e-commerce sales.

CH-Aviation interviewed the CEO of CityJet and learned that the airline will diversify its fleet next year by adding the Embraer ERJ190 or ERJ195. As second-hand CRJ900s are becoming scarcer, adding Embraers will ensure the airline can continue to offer ACMI-services to (potential) customers. Initially, the plan is to add up to five Embraers. The company is also interested in potentially adding turboprops like the ATR72 or the DHC-8-400 and continue to investigate the possibilities. According to the article, however, these plans are still in a very preliminary stage. Currently, the airline has a fleet of 20 CRJ900s. Eleven of these are currently flown by CityJet for SAS as part of a long-term ACMI-contract. In the coming months, depending on development of the market, four will also be reactivated and flown for SAS. The remaining five are available for other (ACMI) flights and charters. Now, the ACMI-contract with SAS is CityJet's only long-term contract as during the pandemic contracts with Aer Lingus, Air France and Brussels Airlines were terminated. The airline is, however, in discussion with five airlines for new ACMI-contracts in 2022.

#### Italy

Blue Panorama, including Blue-Express and Luke Air, have ceased all operations on 26 October. The grounding is the result of a lack of cash-flow due to the Corona-pandemic, although the Italian carrier was financially struggling before Corona as well. The airline hopes the grounding is temporary as it has asked the government for COVID-support but so far, the government has been very slow in releasing these funds to companies. Blue Panorama Airlines was founded in 1998. It currently has a fleet of two A330-200s (in Luke Air-livery, parked at Naples), one B737-300 and one B737-400 (both

parked at Naples) and eight B737-800s (six parked at Kato-wice, one at Bergamo and one at Naples).

On 15 October, the successor of Alitalia, ITA Airways, officially launched and was introduced to the world. Surprising everyone by not using the Alitalia-brand, the airline unveiled a new blue livery designed by Landor. Although ITA has acquired the Alitalia-brand, it did that so that other companies could not use the brand anymore. To commemorate the occasion, ITA Airways has painted A320 EI-EIB (**4249**) in a special "Born in 2021"-livery. In total, the new airline is launching with one ERJ190, seventeen A319s, 27 A320s and seven A330-200s, a reduction of 25 aircraft compared to Alitalia. ITA has also announced it has selected Airbus for its fleet renewal. The renewal takes place in two phases and for the first one it has ordered 28 aircraft directly with Airbus consisting of seven A220s, eleven A320neo-family aircraft and ten A330-900s. With Air Lease Corporation it signed a lease-agreement for 31 aircraft consisting of 15 A220s, two A320neos and nine A321neos. According to the lessor, they will deliver the aircraft between the second half of 2022 and early 2025 and all are aircraft ALC already has on order with Airbus. For its second phase, the airline is in discussion with ALC to lease 25 additional aircraft. This lease-deal involves 25 aircraft, consisting of eight widebodies (including the A350-900) and seventeen narrowbody aircraft.

#### Norway

Low-cost airline Flyr has announced it has signed a lease-agreement with Air Lease Corporation for six B737-8s, with options on another four. The aircraft are coming from outstanding orders the lessor already has with Boeing and deliveries are set to start next year. The leasing of the MAXs is part of the airline's sustainability plan and will replace the current four B737-800s it has in the fleet. According to Flyr's press-release the new MAX8s will have 14% lower emissions than the B737-800s. Flyr was founded in 2020 and started flying out of Oslo-Gardermoen in June of this year. It currently flies to domestic and international destinations in Denmark, France and Spain. Later this year, the airline will expand its route network with additional international destinations in Austria, Germany and Switzerland.

Norwegian has announced it has entered into lease-agreements for thirteen additional B737-800s. The aircraft are set to be delivered between the end of this year and Q1-2022. The airline is adding the aircraft anticipating on the increased demand for next summer season. Norwegian also secured the rights for some of the leased aircraft, to swap the B737-800 for newer generation Airbus- or Boeing-aircraft if wanted or needed. Currently, the reborn Norwegian has a fleet of 51 B737-800s, of which two are currently parked. By summer next year, the airline is planning to fly to 250 destinations across Europe.

#### Romania

Aegean has increased its stake in Romanian airline Animawings from 25% to 51%, effectively taking control over the airline as majority shareholder. The Greek carrier will take care of the operational aspect of the airline, while the other shareholder, Memento Group, will focus on the commercial side of the business. Animawings was founded in 2019 and launched operations in July 2020. Before its launch, in April 2020, Aegean acquired 25% of the airline and supplied the start-up with one A320 (YR-AGA, **3162**). Next year, Animawings will add two additional A320s which will all be sourced from Aegean.

The Romanian civil aviation authorities have decided to suspend the AOC of Cobrex Trans as the airline has been inactive since February 2020. It's unclear if the suspension is temporary or permanent. Cobrex Trans was founded in 1994 and operated charter flights. Over the years it operated two





Emirates Boeing 777-300ER A6-EQM was painted in special “Year-of-the Fiftieth” colour scheme in September. As of late October, two Emirates A380s and four 777-300ERs wear these special colours to mark the UAE’s landmark Golden Jubilee celebrations. On 2 December, the UAE will celebrate the 50 year anniversary of their unification and independence. (Geneva, 19 October 2021, Robert Erenstein)

B737-300s. Its last aircraft in the fleet, YR-CBK (25162) has been stored at Craiova since 30 June 2020.

#### Russia

CargoFacts reported that [NordStar Airlines](#) is entering the dedicated cargo-flying business by adding up to three B737-800BCFs. The first is expected for delivery in December, while the second is planned for January or February next year. A timeline for the third is currently unknown. All three aircraft will be sourced through various lessors. The freighters will be mainly used on cargo flights between Krasnoyarsk, Moscow-Domododovo and Norilsk. NordStar is, however, also interested in deploying them between Russia and China to tap in on the growing e-commerce business. Currently, NordStar Airlines has a fleet of one B737-300 and nine B737-800s. It’s also planning to introduce up to five leased B737-8s in the coming year. It also operates three ATR42s, which are in the process of being transferred to its regional flying partner KrasAvia. The airline has its main bases at Krasnoyarsk and Norilsk, with secondary hubs at Moscow-Domododovo and Novosibirsk. It mainly flies domestic and regional but also carries out seasonal charters to destinations in Bulgaria, Cyprus, Greece, Italy, Spain, Tunisia and Turkey.

#### Turkey

[Pegasus](#) has announced it has placed an order for six additional A321neos, underlining the airline’s plans to focus on the larger type of the A320neo-family. Recently, the airline said that it changed its last A320neos on order into the A321neo as well. In total, Pegasus has signed orders and lease-agreements for a total of 105 A320neo-family aircraft (100 directly with Airbus, five with lessors), consisting of 46 A320neos and 59 A321neos. Of these, a 44 A320neos and seven A321neos have been delivered so far.

#### United Kingdom

[Jet2](#) has announced it has increased its commitment to the A321neo by ordering an additional fifteen aircraft. The extra aircraft are scheduled to be delivered between 2026 and 2029. After this increase, its options have been reduced to nine aircraft. Last August, the airline ordered 36 A321neos which will be delivered between 2023 and 2028. Jet2 will use the A321neos to replace its last eight B757-200s, older B737s and expand capacity.

On 3 October, [TUI UK](#) conducted its final B757-flights. The aircraft in question, G-OOBB (32447) and G-OOBP (30394) flew the last flights in service of the charter company from Paphos

to Birmingham and from Heraklion to London-Gatwick. On 30 September, G-OOBN (29379) was already retired. All three B757s have been sold by TUI to Blackrock Investment and are set to be converted into freighters. Over the years, TUI UK has operated twelve B757-200s but if you include Thomson Airways, the predecessor of TUI UK, it operated 31 different B757-200s over the years.

## Africa

### Tunisia

In order to save the airline from collapsing and to return to profitability, [Tunisair](#) is set to reorganise the company. Apart from laying-off up to 1,000 co-workers, the airline will also reduce its fleet to seventeen aircraft, which is ten less than today. Tunisair will standardise the fleet to fifteen A320s and two A330-200s. Of the A320s, five will be new A320neos, which the airline has on order with Airbus. The first of these is scheduled for delivery later this month, three will arrive next year and the fifth in 2024. The five will replace five older A320s in the fleet. As a result of the plan, the airline will say goodbye to its four A319s and seven B737-600s.

## Asia

### Azerbaijan

CH-Aviation reported that [Azerbaijan Airlines](#) is planning a fleet renewal and plans to order new aircraft at both Airbus and Boeing. According to the article, the airline is set to order twenty A320neo-family aircraft and nine B787s. The new aircraft should all be delivered by 2030 and will replace the Azerbaijan Airlines’ current fleet of four A319s, seven A320s, two A340-500s, two B757-200s and two B767-300ERs. The plan will now be submitted to the airline’s board for approval, which is expected at the end of this year.

### China

Chinese e-Commerce giant JD.com has announced that its logistics arm, JD Logistics, is starting up its own dedicated cargo airline, [JD Airlines](#). The move comes as the company wants to reduce its reliance on third parties and increase control of shipping its goods around the globe. Although the plans were under discussion for years, the Corona-pandemic and subsequent disruption of transport has accelerated the plans. Currently, the airline is making use of capacity from airlines like Hainan Airlines and Loong Air. By 2030, however, JD Logistics, wants to have its own fleet of no less than 100 aircraft. It’s first aircraft will be B737-800BCF B-221L (32687), which is leased from GECAS.

## India

The Tata Group has won the bid for [Air India](#) and will fully take ownership of the airline and its subsidiary [Air India Express](#). The conglomerate also obtained 50% of ground handling company Air India SATS. Tata won the competition to buy Air India from SpiceJet-founder Singh who was also in the running. Tata, which once owned Air India until 1932, is planning to transform Air India and Air India Express into a “world-class airline that will make every Indian proud”. Currently, Air India has a fleet of 20 A319s, nine A320s, 27 A320neos, four B747-400s, three B777-200LRs, thirteen B777-300ERs and 27 B787-8s. Subsidiary Air India Express operates a fleet of 24 B737-800s. The Tata Group is not new to the airline industry as it currently owns, together with Singapore Airlines, Vistara. This airline operates a fleet of five A320s, 31 A320neos, four A321neos, six B737-800s and two B787-9s. Although not confirmed yet, it's expected that Tata will buy-out Singapore Airlines and merge Vistara with Air India.

After being stored at Schiphol since April 2019, former [Jet Airways](#) B777-300ER VT-JEW (**35164**) left Schiphol on 19 October. The Triple Seven was impounded on 9 April 2019, just a month before Jet Airways was declared bankrupt. The aircraft, now registered N377CL and registered to the International Aerospace Group, flew directly from Amsterdam to Victorville (CA). After a short hour on the ground there it made a final short jump to Mojave (CA) where it will be dismantled and used for spares.

## Indonesia

[Pelita Air Service](#) is planning to add several leased A320s and plans to fly scheduled domestic flights with them out of the company's base at Jakarta-Halim. According to a news item on Smart Aviation Asia-Pacific, Pelita is now in the process of adding the type to its AOC as well as adding scheduled services to it. Pelita was founded in 1963 and currently offers charter, cargo, maintenance, training and airport services. It has a fleet of one ATR42, five ATR72s, two Casa 212s and a single RJ85 which it operates for the Indonesian government. The company also operates the AT802, Bell 412EP, Bell 430, Bo105 and S76.

## Japan

On 15 October, Airbus delivered the final A380 from Toulouse. The aircraft, JA383A (**266**) is also the third and last A380 for [All Nippon Airways](#) and features the Orange Turtle-livery. Airbus has two more A380s to be delivered. These two,

A6-EVR (**271**) and A6-EVS (**272**) will be delivered to Emirates from Hamburg-Finkenwerder and are expected to be handed over in the coming months.

Lessor Avolon has announced a partnership with [Japan Airlines](#) to create the first eVTOL ride sharing business in Japan. As part of the agreement, JAL has the right to lease or purchase 50 Vertical Aerospace VA-X4s, with options on another 50. The aircraft are coming from the orders Avolon placed in June with Vertical Aerospace for 310 VA-X4s with options on another 190. Japan Airlines and Avolon plan to have the concept up and running in time for the Osaka Kansai Expo in 2025. Vertical Aerospace has been launched in 2016 with the aim “to make air travel personal, on demand and carbon free”. It has produced two prototypes to test technologies. The VA-X1 (flown for the first time in 2018) and the VA-X2 (flown first in 2019). The VA-X4 was officially launched in 2020 and will be able to carry four passengers (next to the pilot) over 160 km with a maximum speed of 325 km/hr. It will be near-silent in flight and has no CO2-emissions. Next to a passenger-variant, the company is also planning a medevac- and a cargo-variant. Vertical Aerospace is working on the VA-X4 prototype with a first test-flight planned for later this year. Entry into commercial service should then happen by 2024 depending, of course, on the progress of the certification process.

## Malaysia

[AirAsia](#) has announced it has reached an agreement with Airbus in which both companies agree that the airline will convert its last remaining thirteen A320neos on order into the larger A321neo. With this conversion, the airline has now ordered a total of 362 A321neos. Of this, AirAsia has taken delivery of four A321neos. The rest of the airplanes will be delivered until 2035. Now, the airline group also operates 189 A320s and 44 A320neos.

## Pakistan

On 15 October, [Airblue](#) took delivery of its first A321neoLR. The aircraft, AP-BOE (**10162**), was delivered from Hamburg-Finkenwerder to Karachi and is leased from GECAS. A second A321neoLR, also leased from GECAS, will follow later this year. With this delivery, Airblue became the first airline in Pakistan to operate an A320neo-family aircraft. Next to this new addition, the airline's fleet consists of four A320s and five A321-200s.



With the phase-out of the MD-11F, Lufthansa Cargo has now completed its transition to an all-B777F fleet. On 28 September it received the last 777 Freighter of the ten strong order it had placed with Boeing. In September Lufthansa also added an ex-Emirates aircraft to its fleet on lease from DAE Capital. This brings the total number of 777 Freighters to eleven units. The ex-Emirates aircraft D-ALFJ is still not fully painted and wears this all-white colour scheme with only a “I'm a natural beauty. Waiting for my Lufthansa Cargo make up” sticker. (Frankfurt, 20 September 2021, Frank Schuchardt)



## Taiwan

Starlux Airlines has announced it has reached an agreement with lessors and Airbus to postpone the delivery of its first widebodies to next year. The decision to do so was made based on the slower than expected recovery of the market. Its first of A330-900s is now set to be delivered in February next year, while the first A350s will be delivered in May 2022. Starlux is planning to use the A330neos on regional routes, while the A350s are to be used for the airline's new international long-haul flights. Starlux Airlines is planning to add eight A330-900s, of which seven will be leased via Air Lease Corporation. It also has nine A350-900s and eight A350-1000s on order. Currently, it operates five A321neoLRs, which are leased via GECAS. It also has five additional A321neoLRs on order via GECAS.

## Latin America

### Colombia

As part of its post-COVID strategy and as part of its Chapter 11-restructuring, Avianca has announced it will retire its Airbus A330s and centre the passenger widebody fleet on the Boeing 787. No timeline has been given by the airline when it will phase-out the type. Currently, Avianca has six A330-200s, although three of them are parked due to the current low demand. The airline also has fourteen B787s: thirteen B787-8s (eight parked) and a single B787-9 (which is parked at Abu Dhabi and hasn't been used at all so far).

Ultra Air, a new LCC start-up in Colombia, has secured its first two aircraft. The aircraft in question are A320s N304AV (3044) and OE-LMM (2712). Both are owned by lessor Avolon and are currently being prepared at Tucson-International (AZ). The airline is in the process of obtaining its AOC but has received approval from the civil aviation authority to serve both domestic and international destinations out of its base at Medellín. Domestically, it plans to serve Leticia, Pasto, Cali, Pereira, Bogota, Medellín, Bucaramanga, Arauca, Cucuta, Monteria, Cartagena, Barranquilla, Santa Marta, Riohacha, and San Andres Island. Internationally, Ultra Air plans to fly to New York (NY), Miami (FL), Mexico City, Cancun, Punta Cana, Quito, Lima, Peru, Aruba, and Curacao. Ultra Air has been founded by a former CEO of Interjet in Mexico and has, reportedly, secured a lease-agreement with Airbus for up to forty A320s, including A320neos. It hopes to grow the fleet with eight aircraft per year.

## Middle East

### Bahrain

Mena Cargo is a new cargo airline in Bahrain, which has recently received its AOC and will launch full operations before the end of the year. The new company is a subsidiary of Mena Aerospace, a company specialized in executive jet management and maintenance in Bahrain. The airline's first aircraft is B737-300(F) A9C-MAE (27710), which has been in Bahrain since May 2021 for maintenance and preparations for entry into service. Before it was converted into a freighter, this B737 was part of the fleet of Southwest Airlines. The launch of Mena Cargo is not the first attempt of Mena Aerospace of flying cargo as the company operated two B737-300Fs between 2011 and 2015.

### Israel

According to CargoFacts, the Challenge Group, which consists of Belgian airline Challenge Airlines and Israeli airline CAL -Cargo Air Lines, is planning to expand the fleet with additional types. The Group signed a Memorandum of Understanding with IAI for four B767-300ERBDSFs and four B777-300ERSFs. Conversion of the first B767 for Challenge is due to begin in 2022 and the first B777 in 2025. Currently, the Challenge Group is an all B747-operator, with Challenge Airlines and CAL both operating two B747-400Fs each.

In a statement to the Tel Aviv stock exchange, El Al has announced it is in talks with Arkia about a possible take-over of the smaller airline. If a deal is reached, El Al would buy its smaller rival in exchange for stocks in El Al. Airlines in Israel have been heavily impacted by the Corona-pandemic, which has led El Al to announce a large reorganization last month. The airline is planning to reduce its fleet of 45 aircraft to 29. Arkia, originally founded in 1949 as Israel Inland Airlines is an airline focusing on leisure-flights. It currently has a fleet of five aircraft consisting of three ERJ195s and two A321-200NXs. The plan to acquire Arkia is not a first attempt of El Al to buy a rival as the airline also tried to buy Israir back in 2018. This attempt was, however, blocked by the Israeli anti-trust authority as it would hinder competition in the market.

### Jordan

Royal Jordanian will shortly launch an official tender in which it requests proposals for 30 narrowbody aircraft. Under consideration will be the B737MAX from Boeing, the A220 and A320neo-family from Airbus and the E2 from Embraer. The airline is also looking into converting some of its A320/A321s into freighters, but no decision has been made on these plans. Currently, Royal Jordanian operates a fleet of 25 aircraft, consisting of one A310-300F, five A319s, six A320s, two A321s, seven B787-9s, two ERJ175s and two ERJ190s. It also has two more B787-8s on order with Boeing, which it still plans to take delivery of as well somewhere in the future. In other news, the airline has unveiled a special livery for its B787 JY-BAH (37985), which now promotes the city of Petra, one of the new seven world wonders and an UNESCO world heritage-site. Since its unveiling on 17 October, the aircraft has been used by the airline to Dubai and Montréal.

### Qatar

The CEO of Qatar Airways has said it will return the A380 to active duty in November. The airline is doing this to replace the capacity lost by the grounding of thirteen of its A350s as well as an increase of demand. Initially, the airline is set to reactivate five of its ten A380s but the whole fleet could fly again in 2022 depending on the development of market conditions. Over the last year, the CEO of Qatar Airways has been quite bullish on the future of its A380s saying that the aircraft was one of the biggest mistakes of the airline as well as environmentally not the best aircraft. However, in the interview with the website, the CEO said the grounding of the A350s due to fuselage degradation wasn't foreseen and changed the situation in a dramatic way. In the coming weeks, Qatar Airways will rehire its A380-pilots which were laid-off when the A380s were parked for an indefinite period. The pilots will need to train to regain their currency which also includes (empty) A380-flights. At the same time, Qatar has started the necessary steps to check and perform maintenance on the five A380s to return them to duty.

### United Arab Emirates

Emirates has unveiled a special livery to promote the Expo 2020 in Dubai, which opened on 1 October 2021 (due to the pandemic) and will end 31 March 2022. The livery, applied to A380 A6-EEU (147) is the airline's first full nose-to-tail livery and looks quite spectacular. The A380 was presented to the world on 28 September and made its first commercial flight in the livery on 29 September, flying as EK215 to Los Angeles (CA).

## North America

### United States of America

airbahn is a new start-up in the US which is launched by the family owning Pakistani carrier airblue. The new carrier is planning to launch flights next year and is in the process of obtaining its AOC. Its first aircraft, which has been sourced from sister-carrier airblue, has been registered N786PB (3974) on 5 October and was previously flying as AP-EDA. It's

currently being prepared at Istanbul-Ataturk Airport where it has been parked since 25 January of this year. A second A320 is planned to be added within one year after launching its flights. The airline was officially launched in 2018 with a planned launch in late 2019. This was, however, delayed and then more delayed when the Corona-pandemic struck. airbahn plans to base itself at either Long Beach (CA) or Santa Ana (CA) and will start flying from there to Calgary and Las Vegas (NV).

According to Bloomberg, [Amazon](#) is searching the market to acquire ten A330-300s and an unspecified number of B777-300ERs which it then plans to convert into freighters. The plan is then to place the aircraft with various carriers which will operate them for the e-commerce giant. Currently, Amazon Prime Air has a fleet of 75 aircraft, consisting of 23 B737-800BCFs (operated by ASL Airlines Ireland, Southern Air and Sun Country Airlines), and 52 B767-300ERBCF/BDSFs (operated by Air Transport International, Atlas Air and CargoJet). The company is also set to introduce at least four ATR72-freighters which will be operated by Silver Airways.

The [Bristow Group](#) is going all-in on the future of all electric flight by announcing a partnership with a third manufacturer of electric aircraft. This time, the company will partner up with Eve Air Mobility from the US, which is a subsidiary of Embraer. In the partnership both companies will work together on developing an Urban Air Mobility (UAM) operating model by leveraging Bristow's experience. As part of the deal, Bristow has committed to 100 Eve eVTOLs with deliveries starting in 2026. In total, Bristow has now committed to a total of 200 electric aircraft. In August it announced a partnership with Electra for 50 eSTOLs and last month it committed to 50 VA-X4 eVTOLs with Vertical Aerospace.

During the presentation of its Q3-2021 results, [Delta Air Lines](#) announced it has acquired two additional A350-900s. According to several aviation sites, the duo will be acquired from Avolon and are OE-IPK (226) and OE-IPX (245). Both were previously in use with South African Airways and are stored at Teruel in Spain. The acquisition marks another expansion of the A350-fleet after the airline announced in July it was going to lease seven former LATAM A350-900s via AerCap. With this latest two, Delta will grow its fleet eventually to 44 A350-900s.

[ExpressJet](#) has announced its return to the skies, which it will do with a new leisure brand: [aha!](#) The name is short for air, hotel and adventure and the airline is set to launch on

24 October 2021 from its Reno-Tahoe (CA) base. Initially, the airline will fly to Bakersfield (CA), Eugene-Springfield (OR), Eureka-Arkata (CA), Fresno-Yosemite (CA), Medford-Ashland (OR), Ontario (CA), Pascoe-Tri Cities (WA) and Redmond-Bend (OR). We already reported on a possible restart of the airline in January. The airline's fleet currently consists of a single ERJ145, N844HK (14500838), which has been previously used by the airline to operate for United Express and has been at Macon (GA) for maintenance since 1 July 2021.

Leasing company [GA Telesis](#) has announced it has reached an agreement for six additional B737-800SFs with AEI. In total, the lessor has now ordered twelve B737-800SFs, all with AEI. Two of the twelve have so far been delivered (both to Ethiopian Airlines). The six aircraft will be converted by AEI during 2022 and 2023 at AEI's facility in the US and abroad. Earlier this year, GA Telesis ordered four B737-800SFs and the company has also announced it will study if it wants to add other converted freighters to its portfolio.

As both [Southwest Airlines](#) and Walt Disney World Resort turned 50 this year, the airline has teamed-up with Disney to commemorate this with a special themed aircraft and competitions. The aircraft, B737-700 N954WN (36669) was unveiled on 29 September and is not only wearing special decals on the outside but also on the inside featuring famous Disney-figures. During the presentation of its Q3-2021 results, Southwest Airlines has announced it has firming options on sixteen B737-7s. Eight are scheduled for delivery in 2022 and the other eight in 2023. With this latest deal, Southwest now has firmly ordered a total of 399 B737MAXs, consisting of 216 B737-7s and 183 B737-8s. So far, the airline has taken delivery 69 B737-8s.

[Spirit Airlines](#) has decided to lease additional A320neos. The airline reached a deal with SMBC Aviation Capital to lease six more A320neos, which will be delivered between September 2022 and February 2023. The six are coming from SMBC's existing orderbook with Airbus. Next to this addition, the airline also sold and will lease-back fourteen A320neos it had on order directly with Airbus. Spirit also signed a lease-agreement with AerCap for twenty A320neos, which will be delivered between 2022 and 2024. These will also be coming from the existing order book AerCap has with Airbus. In total, the airline now has open orders and lease-commitments for 35 A319neos (directly with Airbus), 89 A320neos (49 directly with Airbus, twenty with SMBC and twenty with AerCap) and 30 A321neos (twenty directly with Airbus, ten with ALC).



No Fokker news this month, but we do have a picture a "new" Fokker 50. SE-MFY is the latest addition to the twelve strong Fokker 50 fleet of Swedish airline Amapola. It is ex OO-VLS of Air Antwerp, It was painted in these colours at Lelystad between 8 July and 20 July, before being ferried to Malmo on delivery. (Donegal, 01 October 2021, Jeroen Westram)



## Oceania

### Australia

Bonza is the name of a new start-up in Australia and is set to become the country's first independent low-cost airline. The start-up plans to launch flights early next year and will, initially, only fly domestic. The airline is founded by a former executive of Cebu Pacific and Virgin Australia and is backed by private investment firm 777 Partners, which also has investments in Canadian low-cost carrier Flair Airlines and the Value Alliance, a network of low-cost Asian airlines consisting of Cebu Pacific, Jeju Air, Nok Air and Scoot. Bonza is planning to operate the B737-8, of which 777 Partners has so far ordered 32 with Boeing directly, and which will go to both Flair and Bonza.

Qantas is nearing the official launch of Request for Proposals in which the airline is seeking offers to replace its twenty B717s, seventeen Fokker 100s (both operated by QantasLink) and 75 B737-800s. The airline is looking to the Airbus A220, Boeing B737-7 and Embraer E2 for the regional jets and to the A320neo-family and B737MAX-family as potential replacement for its B737-800 fleet. In total, the order could be for more than 100 jets with additional options. Qantas originally planned to place an order for its narrowbody-replacement last year, but the Corona-pandemic postponed this. Now, with Australia on the brink of reopening again, the time is nearing to decide. The airline is also still considering ordering A350-1000s for its Project Sunrise. Currently, the Qantas Group has open orders with Airbus for 45 A320neos and 64 A321neos. These are, however, intended to go to Jetstar Airways, although the Group said it didn't rule out to have A321neoXLRs in the mainline fleet as well. The first of these neos are schedule to be delivered next year.

### Firm 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 2021 firm orders

Airbus Defense & Space	1	A330-200
Avolon	18	A320neo
	12	A321neo
Condor	7	A330-900
Delta Air Lines	55	A321neo
Jet2	36	A321neo
LATAM	7	A320neo
	21	A321neo
Lufthansa	5	A350-900

### Jetliners

A220	-300	<b>55133</b>	YL-ABF	airBaltic. Delivered on 1 October.
	-300	<b>55134</b>	F-HZUA	Air France. Delivered on 28 September.
A319	-112	<b>2174</b>	D-AIBL	Lufthansa, ex OE-LDB of Austrian Airlines. Delivered on 29 September. Aircraft is operated by Lufthansa CityLine.
	-111	<b>3041</b>	YR-ABA	Carpatair,(addition Scramble 505 – Page 41)
A320	-232	<b>2112</b>	LY-NZL	Heston Airlines, ex LZ-GNF of Genersis Aircraft Services. Delivered on 12 October. Former RP-C7937 of Pan Pacific Airlines.
	-232	<b>3741</b>	OE-LIB	GECAS - General Electric Capital Aviation Services, ex HA-LYV of Wizz Air. Registered in Austria on 19 October. Ferried to Kaunas for storage on 20 October.
	-214	<b>3780</b>	LZ-FBE	Bul Air, ex LZ-FBE of Bulgaria Air. Delivered on 7 October.
	-214	<b>3972</b>	9A-IRM	Fly Air41 Airways, ex EI-GTR of Aircastle. Registered in Croatia on 29 September. Aircraft arrived at Zagreb on 1 September. Former VT-GOS of GoAir.
	-214	<b>3972</b>	9A-IRM	Sundair, ex 9A-IRM of Fly Air41 Airways. Delivered on lease on 14 October. Aircraft wears a basic GoAir colour scheme with billboard Sundair titles.
	-232	<b>4351</b>	YL-LDJ	SmartLynx, ex OE-ISY of JP Lease. Delivered on 4 September. Former HA-LWD of Wizz Air.
	-232	<b>4372</b>	YL-LDK	SmartLynx, ex OE-ISZ of JP Lease. Delivered on 14 September. Former HA-LWE of Wizz Air.
	-214	<b>5746</b>	OE-ITV	GECAS - General Electric Capital Aviation Services, ex T7-MRD of MEA - Middle East Airlines. Registered on behalf of the lessor on 13 October. Aircraft was ferried to Sharjah for storage on 11 October.
	-214	<b>7251</b>	D-AIUW	Eurowings Discover, ex D-AIUW of Lufthansa. Repainted in Eurowings Discover colours in October
	-214	<b>7256</b>	D-AIUX	Eurowings Discover, ex D-AIUX of Lufthansa. Repainted in Eurowings Discover colours late September.
	-214	<b>7355</b>	D-AIUY	Eurowings Discover, ex Lufthansa. Repainted in Eurowings Discover colours in September.
	-251N	<b>7951</b>	EI-SIB	SAS Scandinavian Airlines Ireland, ex SE-DYD of SAS Scandinavian Airlines. Transferred on 20 September.

Malta MedAir	1	A320neo
Private	2	ACJ319neo (+1)
	1	ACJ330-300
Unidentified	21	A220-300
	10	A320neo
	1	A321neo
United Airlines	70	A321neo
Volaris Airlines	2	A320neo
Total	270	(+1)

#### ATR 2021 firm orders

SKY express	6	ATR72-600
Total	6	

#### Boeing 2021 firm orders

<u>777 Partners</u>	38	<u>B737-8</u>	(+6)
Air Lease Corporation	3	B737MAX	
Alaska Airlines	57	B737-9	
Atlas Air	4	B747-8F	
Bain Capital Griffin International	5	B737-8	
Dubai Aerospace Enterprise	14	B737MAX	
<u>Embassy of Germany</u>	5	<u>P-8A</u>	
<u>FedEx</u>	18	<u>B767-300F</u>	
	3	<u>B777F</u>	(+1)
GOL	9	B737-8	
Lufthansa	2	B777F	
	5	B787-9	
Private	2	B737M BBJ	
Royal Australian Air Force	2	P-8A	
Silk Way West Airlines	5	B777F	
Singapore Airlines	11	B777-9	
SMBC Aviation Capital	14	B737-8	
Southwest Airlines	140	B737MAX	
<u>Unidentified</u>	35	<u>B737MAX</u>	(+10)
	1	B747-8	
	1	B767-300F	
	26	<u>B777F</u>	(+5)
	7	B787-9	
	4	B787-10	
United Airlines	258	B737MAX	
USAF	27	KC-46A	
US Navy	9	P-8A	
Total	710		(+27)

#### Embraer 2021 firm orders

Congo Airways	2	E195-E2
Horizon Air	9	ERJ175
Porter Airlines	30	E195-E2
Skywest Airlines	25	ERJ175
Total	66	

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



Late September, early October the first three of ten Lufthansa A320s were painted in Eurowings Discover colours. The first aircraft was D-AIUY, which was ferried back from Ostrava where it had been painted to Frankfurt on 22 September. Frank Schuchardt was present that day at Frankfurt Airport, to catch the aircraft in its shiny new colours. Eurowings Discover is a wholly-owned Lufthansa subsidiary and received its own AOC on 16 June and has been designated as the leisure carrier within the Lufthansa Group. Its fleet will grow to 21 aircraft by the middle of next year. This will include 10 Airbus A320s and 11 Airbus A330s.

A321	-211	<b>3334</b>	9H-AMR	Avion Express Malta, ex LY-VED of Avion Express. Transferred to Malta late October.	
	-253NX	<b>10408</b>	SE-DMR	SAS Scandinavian Airlines. Delivered on 23 September. Test registration was D-AVWZ.	
	-253NX	<b>10519</b>	CS-TSJ	Azores Airlines. Delivered on 1 October. Test registration was D-AVYX.	
	-271NX	<b>10659</b>	HA-LZD	Wizz Air. Delivered on 18 October. Test registration was D-AVYW.	
	A330	-343E	<b>645</b>	D-AIKG	Lufthansa, ex OO-SFP of Eurowings / Brussels Airlines. Returned to Lufthansa homebase (still in Eurowings colours) on 18 October.
		-343E	<b>741</b>	EC-NOF	Wamos Air, ex HS-XTD of Thai AirAsia X. Delivered on 17 September. Registered in between as OE-IHK of AerCap.
		-202	<b>760</b>	<u>A7-ACS</u>	Qatar Airways. (correction Scramble 508 – Page 32)
		-202	<b>820</b>	<u>A7-ACT</u>	Qatar Airways. We mixed up the msn-registration combination of these two Qatari A330s. (correction Scramble 508 – Page 32).
		-243	<b>975</b>	D-AIYC	Condor Flugdienst, ex OE-ISR of Avolon. Delivered to Dusseldorf on 22 October. Former A6-EYR of Etihad Airways.
		-302E	<b>1025</b>	G-EIDY	Aer Lingus UK, ex EI-EDY of Aer Lingus. Transferred on 1 October.
-243	<b>1045</b>	LY-MAC	Heston Airlines, ex VQ-BBF of Aeroflot. Delivered on 22 October		
-343E	<b>1097</b>	CS-WFP	World2Fly, ex EC-LXR of World2Fly. Ferried from Madrid to Lisbon on 17 October and seen with this Portuguese registration four days latter.		
-243	<b>1210</b>	EC-NOE	Aura Airlines, ex OE-ISS and N618AC of Aircastle. Delivered on 7 October. Former ZS-SXY of South African Airways.		
-223	<b>1266</b>	VP-BUT	Nordwind Airlines, ex OE-INT of ALC - Air Lease Corporation. Delivered on 7 October. Former VN-A381 of Vietnam Airlines.		
-343EP2F	<b>1477</b>	D-AJFK	DHL / EAT Leipzig, ex 9V-STZ of Singapore Airlines. Delivered after freighter conversion on 1 October. Registered in between as M-PVGK and 9H-HFD of Hi Fly Malta. Aircraft was never operated by Hi Fly Malta.		
-343E	<b>1531</b>	9H-SMF	SmartLynx Malta, ex LZ-DBL of DAE Capital. Delivered on 4 October. Former RP-C8762 of Philippines – Philippine Airlines.		
-941	<b>1861</b>	OO-ABG	Air Belgium. Delivered on 8 October. Test registration was F-WWKQ.		
-743L	<b>1985</b>	F-GXLJ	Airbus Transport International. The third Beluga XL was delivered on World's animal day 4 October. Test registration was F-WWCO.		
-941	<b>1987</b>	HS-LAR	Thai Lion Air. Delivered on 30 September. Test registration was F-WWKV.		
A340	-313E	<b>668</b>	9H-BOB	Airhub Airlines, ex F-WTBJ of KP Aviation. Delivered on 22 October. Former F-OLOV of Air Tahiti Nui.	
A350	-941	<b>536</b>	JA12XJ	Japan Airlines. Delivered on 1 October. Test registration was F-WZHG.	
A380	-841	<b>266</b>	JA383A	ANA - All Nippon Airways. Delivered on 15 October. The last A380 delivered from Toulouse. The remaining A380 will be delivered from Hamburg-Finkenwerder. Test registration was F-WWAL.	
BAe146 B737	-842	<b>270</b>	A6-EVQ	Emirates. Delivered on 7 October. Test registration was F-WWAJ.	
	-RJ70	<b>E1258</b>	LZ-BRU	Bulgaria Air, ex LZ-TIM. Re-registered in October.	
	-476SF	<b>24446</b>	EI-STC	ASL Airlines Ireland, ex HA-FAZ of ASL Airlines Hungary. Transferred on 22 October.	
	-8Q8	<b>29368</b>	UR-SQQ	SkyUp Airlines, ex N469AC of Bank of Utah. Delivered on 13 October.	
	-8F2BCF	<b>29788</b>	TF-BBP	Bluebird Nordic, ex LY-FBA of Avia AM Leasing. Delivered on 21 October.	
	-8ASSF	<b>29925</b>	EI-AZB	Amazon Prime Air, ex N529AC of UMB Bank NA Trustee. Delivered on 23 October.	
	-7BC (BBJ1)	<b>30330</b>	9H-ELF	Eliil LLC, ex N666ML. Re-registered 13 October.	
	-8AS	<b>33618</b>	G-RUKD	Ryanair UK, ex EI-DWL of Ryanair. Transferred on 20 October.	
	-8ASBCF	<b>33718</b>	VQ-BFP	ATRAN-Aviatrans Cargo Airlines, ex N242GE of Bank of Utah. Delivered on 26 October.	
	7-85R	<b>35082</b>	9H-TJF	Corendon Airlines Europe, ex EI-GSL of Klaatu Aircraft Leasing (Ireland) Ltd. Delivered on 30 September.	
	-8ASBCF	<b>35552</b>	OE-IWE	ASL Airlines Belgium, ex EI-DPW of Ryanair. Delivered on 4 October. Operates in FedEx colours.	
	-86N	<b>35647</b>	G-DRTJ	Jet2, ex OO-TUX of TUI fly Belgium. Delivered on 5 October.	
	-82R	<b>35699</b>	UP-B3732	SCAT, ex TC-CCK of Pegasus Airlines. Delivered on 3 October as TC-CCK.	
	-82R	<b>35700</b>	VP-BDW	Nordwind Airlines, ex TC-IZJ of Pegasus Airlines. Delivered on 14 October.	
	-8K5	<b>37244</b>	N842SY	Sun Country Airlines, ex G-TAWF of TUI Airways. Delivered on 11 October.	
	-86N	<b>38038</b>	F-HUYC	Transavia France, ex VP-CGH of ACG - Aviation Capital Group. Delivered on 18 October.	
	-8JP	<b>39005</b>	LN-DYM	Norwegian, ex EI-FHZ of Norwegian Air International. Transferred on 23 October.	
	-8JP	<b>39007</b>	LN-DYS	Flyr, ex EI-FHW of Orix Aircraft Corp. Delivered on 7 October.	
	-8AS	<b>40289</b>	G-RUKC	Ryanair UK, ex EI-ENB of Ryanair. Transferred on 13 October.	



	-8	<b>44603</b>	D-AMAB	TUI fly Germany Delivered on 5 October. Line # 7474.
	-8	<b>44606</b>	SE-RND	TUI fly Nordic, ex G-TUMR of TUI Airways. Transferred on 5 October.
	-8	<b>44653</b>	OO-TMZ	TUI fly Belgium. Delivered on 15 October. Line # 7999.
	-9	<b>60066</b>	TC-LYE	Turkish Airlines. Delivered on 28 September. Line # 7580.
	-8	<b>60068</b>	TC-LCU	Turkish Airlines. Delivered on 30 September. Line # 7996.
	-8-200	<b>62313</b>	SP-RZB	Buzz. Delivered on 1 October. Line # 7868.
	-8-200	<b>62314</b>	SP-RZA	Buzz. Delivered on 20 October. Line # 7862.
	-8-200	<b>62321</b>	9H-VUK	Malta Air (Ryanair c/s, EI-HGI NTU). Delivered on 24 September. Line # 7926.
	-8-200	<b>62332</b>	9H-VUL	Malta Air Ryanair c/s). Delivered on 16 October. Line # 8123.
	-8-200	<b>65084</b>	9H-VUM	Malta Air (Ryanair c/s). Delivered on 13 October. Line # 8127.
	-8-200	<b>65884</b>	9H-VUO	Malta Air (Ryanair c/s). Delivered on 26 October. Line # 8132.
	-8-200	<b>65886</b>	9H-VUN	Malta Air (Ryanair c/s). Delivered on 22 October. Line # 8130.
B747	-446BCF	<b>25308</b>	N936CA	National Airlines, ex N744ST of Global SuperTanker Services. Delivered on 24 September. Aircraft still wears the Global Supertanker colours with large National colours.
	-428	<b>32869</b>	TF-AAJ	Air Atlanta Icelandic, ex Saudia - Saudi Arabian Airlines. Returned from lease on 29 September.
	-428	<b>32871</b>	9H-AZA	Air Atlanta Europe, ex TF-AAL of Air Atlanta Icelandic. Registered in Malta on 29 September.
B757	-223PCF	<b>32398</b>	OE-LNZ	DHL Air Austria, ex G-DHKP of DHL Air. Transferred on 15 October.
B767	-281BDSF	<b>23146</b>	SP-MRE	DHL / SkyTaxi, ex N796AX of Cargo Aircraft Management. Delivered on 29 September. Former A9C-DHJ of DHL International Aviation Middel East.
	-323ERBDSF	<b>29606</b>	G-DHLC	DHL, ex N399AN of Cargo Aircraft Management. Delivered after freighter conversion on 14 October. Former N399AN of American Airlines.
	-38AER	<b>29618</b>	N222DP	Bank of Utah, ex VP-BDI of Pegas Fly. Registered in the US on 1 October. Aircraft is currently being converted to freighter at Singapore Paya Lebar. Will be delivered to SF Airlines after conversion.+
	-323ERBCF	<b>33088</b>	A9C-	DHL International Aviation Middle East, ex N349AN of American Airlines. Delivered after freighter conversion on 18 October.
	-323ERBCF	<b>33089</b>	A9C-DHW	DHL International Aviation Middle East (Addition Scramble 509 – Page 45).
	-316ER	<b>41996</b>	N6388	Jetran, ex PT-MOE of LATAM Airlines Brasil. Registered in the US on 20 October. Flew to Brownsville (TX) for storage on 11 October.
	-300F	<b>63128</b>	N198FE	FedEx Express. Delivered on 30 September. Line # 1253.
	-300F	<b>66253</b>	N280FE	FedEx Express. Delivered on 19 October. Line # 1255.
B777	-312ER	<b>34568</b>	N855BC	Boeing Capital Corporation, ex 9V-SWA of Singapore Airlines. Registered in the US on 18 October. Aircraft was withdrawn from use on 30 march 2020 and has been in storage at Singapore-Changi since then.
	-35RER	<b>35164</b>	N377CL	IAG Aero Group, ex VT-JEW of Jet Airways. Registered in the US in September. Ferried to Victorville (CA) for scrapping on 19 October. Aircraft had been stored at Amsterdam for two and half years.
	-3ZGER	<b>35302</b>	VQ-BTK	Azur Air, ex VH-VOZ of Virgin Australia. Delivered on 29 September.
	-F1H	<b>35612</b>	D-ALFJ	Lufthansa Cargo, ex A6-EFF of Emirates. Ferried to Frankfurt on 29 August and registered in Germany on 20 September. Entered service with Lufthansa on 30 September.
	-300ER	<b>65311</b>	VQ-BFO	Aeroflot. Delivered on 30 September. Aircraft made already its first flight on 1 May 2020. It had been placed in storage at Victorville (CA) before being delivered to Aeroflot. Line # 1654.
	-300ER	<b>65312</b>	VP-BFC	Aeroflot. Delivered on 30 September. Line # 1695.
	-F	<b>67031</b>	B-16787	EVA Air. Delivered on 14 October. Line # 1704.
	-F	<b>67146</b>	D-ALFK	Lufthansa Cargo. Delivered on 28 September. With this delivery, Lufthansa Cargo has received all the triple seven freighters it has ordered with Boeing. Line # 1703
B787	-9	<b>66523</b>	JA936A	ANA - All Nippon Airways. Delivered on 12 October. Line # 1094.
ERJ	145LR	<b>145570</b>	9S-AMG	Mwant Jet, ex G-CISK of Eastern Airways. Delivered on 3 September as G-CISK.
	135BJ	<b>14500952</b>	9H-AIP	Blue Square Aviation Group, ex G-ERFX of Sirio UK. Per 2 October.
	135BJ	<b>14501173</b>	M-AKER	Bestavia Holdings Ltd, ex B-3099 of China Eastern Business Aviation Services. Registered on 27 September.
	190BJ	<b>19000611</b>	D-ANNI	Air Hamburg Private Jets, ex OO-NGI of Flying Group. Delivered on 5 October.

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



TUI Airways operated its last commercial B757 flight on 10 October 2021, with a return flight from Birmingham to Malaga. The flight was performed by G-OOBP, a 21.6-year-old aircraft that was originally delivered to Balair from Switzerland in April 2000. After a short two-year stint with Air Berlin, it has been part of the TUI fleet since 2010. The first seven years it flew with Thomson titles, which were replaced by TUI titles early 2017. Together with sisterships G-OOBB and G-OOBN, which made their last revenue flights for TUI late September and early October, the aircraft was acquired by Blackrock Investment Management for conversion into freighter. The aircraft is seen here, arriving at St Athan for preparation work before handover to the lessor. (15 October 2021, Simon Fewkes)

## Commuters

ATR72	-212A	<b>1265</b>	G-LMTC	Loganair, ex OY-YDI of Nordic Aviation Capital. Delivered on 19 October.
DHC-8	-102	<b>472</b>	9H-ALM	Air CM Global, ex LN-FVD of FlyViking. Delivered in August.

## Propliners

Canadair	215EAF	<b>1090</b>	C-GFBP	Noted on a test flight over Calgary on 19 October, with a Moroccan flag on the nose. This would be one of the three ordered. Also it was still showing the former US tanker ID 264. Ex N264V and converted by Longview Aviation.
Convair	580	<b>237A</b>	ZK-CIB	Air Chathams is going to donate this airplane and it will be preserved at Wanaka Airport in the Chathams (NZ).
DHC	2	<b>1460</b>	N14AK	Rebuild of N203KL that crashed on 3 June 2018. Returned to the register in October 2021.

Credits: Aad van der Voet, Michael Prophet, Neil Aird (DHC-2.com)

## Bizjets

BAe	125-800XP	<b>258632</b>	N850UX	Hawker Jet Holdings, ex T7-GTJ. Registered on 14 May.	
	125-800XP	<b>258689</b>	I-LOSO	Alba Servizi Aerotrasporti, ex F-HBFP. Noted at Naples on 23 August.	
	125-850XP	<b>258810</b>	T7-JAB	Asian Corporate Aviation Management, ex ES-ERX. Ferried from Tallinn for delivery on 10 September.	
	125-850XP	<b>258811</b>	TC-MFY	Noted at Basel on 20 September, ex LY-DSK.	
	125-900XP	<b>HA-0103</b>	T7-BBS	Titan Aviation San Marino, ex 2-VOLC. Registered in August.	
	125-900XP	<b>HA-0164</b>	N417CM	Steward Financial Holdings, ex G-RCFC. Registered on 9 September.	
	125-750	<b>HB-4</b>	D-CEMO	Exxaero, ex 2-FLIP. Noted at Münster Osnabrück on 13 October.	
	Cessna	501	<b>0227</b>	N111MK	Reregistered from N83DM on 1 October.
		501	<b>0289</b>	HP-	Exported to Canada on 21 September, ex N82DT.
		510	<b>0020</b>	N186M	Reregistered from N121RF on 24 September.
		510	<b>0134</b>	N558QA	Registered on 29 September, ex ZS-AFD.
		510	<b>0135</b>	N562SE	Reregistered from N918ST on 18 October.
		510	<b>0137</b>	N2069Q	Registered on 23 September, ex ZS-MUS.
		510	<b>0266</b>	N116MC	Registered to AVEX X on 4 October, ex YV3148.
		510	<b>0379</b>	ZS-	N610JL was exported to South Africa on 15 September.
510		<b>0382</b>	N700JH	Reregistered from N382MU on 7 October.	
525		<b>0190</b>	PS-LJD	Addition to Scramble 508, registered to Lifejet Compartilhamento de Aeronaves.	
525		<b>0218</b>	N1FM	Reregistered from N713SD on 15 October.	
525		<b>0229</b>	P*-	N65AH was exported to Brazil on 5 October.	
525		<b>1037</b>	N529TA	Reregistered from N357TM on 5 October.	
525		<b>1077</b>	2-COOK	Delivered to William Cook Aviation on 29 September, ex N277MZ.	
525		<b>1082</b>	D-IAFL	Delivered in Germany in September.	
525	<b>1101</b>	N2ZB	Registered to Textron Aviation on 12 October.		
525A	<b>0031</b>	N469RB	Delivered on 23 September, ex G-SONE of Centreline Air Charter.		
525A	<b>0082</b>	N10QJ	Delivered to Florida Express on 13 October, ex G-SOVD of Saxonair.		
525A	<b>0480</b>	N224BB	Reregistered from N5VU on 13 September.		
525B	<b>0150</b>	CP-	N562PA was exported to Bolivia on 8 October.		
525B	<b>0198</b>	D-COGA	Delivered from Billund to Memmingen on 7 October, ex OY-TSA.		
525B	<b>0652</b>	N656ZM	Registered to Textron Aviation on 29 September.		
525C	<b>0070</b>	C-GLCU	Registered in Canada on 5 October, ex N923BC.		
525C	<b>0076</b>	N77WB	Reregistered from N300KK on 28 September.		
525C	<b>0119</b>	N63JS	Reregistered from N580SV on 27 September.		
525C	<b>0242</b>	N1930J	Reregistered from N591SF on 10 September.		
525C	<b>0300</b>	N845PF	Reregistered from N345PF on 23 September.		
525C	<b>0354</b>	N300KK	Registered to Textron Aviation on 28 September.		



Bombardier Global 6500 (msn 60016) was delivered to Starjet in March this year, registered as T7-AAAA. Bombardier's registrations for this new Global were C-GK BX and N63GX. (Munich, 15 August 2021)





Gulfstream G600 T7-CAPE was the first G600 registered in Europe, back in September 2019. It was registered as M-CAPE upon delivery, but changed to T7-CAPE in May 2021. The jet is operated by Irvine Laidlaw, a Scottish multi-millionaire. (Malta, 1 September 2021, Mario Caruana)

525C	<b>0370</b>	N12MG	Registered to Textron Aviation in October.
550	<b>0130</b>	C-FXKK	N630CC was exported to Canada on 12 October.
550	<b>0575</b>	LV-	N387RE was exported to Argentina on 15 September.
550	<b>0806</b>	PS-EMT	Addition to Scramble 508, reservation for Estado de Mato Grosso.
550	<b>0862</b>	N770DS	Reregistered from N467HS on 17 September.
550	<b>0926</b>	N144ZV	Reregistered from N144Z on 24 September. Still with USDA Forest Service.
550	<b>1004</b>	N721GK	Registered on 22 September, ex D-ILAV of Liebherr Aerospace.
550	<b>1041</b>	N410JP	Delivered to JSSI Parts on 12 October, ex XA-UTI.
550	<b>1099</b>	N550RM	Reregistered from N595VR on 29 September.
560	<b>0171</b>	N406RD	Reregistered from N567F on 14 September.
560XL	<b>5063</b>	N713TX	Reregistered from N169WB on 27 September.
560XL	<b>5307</b>	N798T	Reregistered from N864MA on 15 September.
560XL	<b>5363</b>	N221VP	Reregistered from N638TX on 15 July.
560XLS	<b>5615</b>	SX-	N635TX was exported to Greece on 22 October.
560XLS	<b>5621</b>	9H-XOB	Addition to Scramble 509, delivered to VistaJet on 20 September.
560XLS+	<b>6180</b>	N935BB	Reregistered from N420PL on 5 October.
560XLS+	<b>6307</b>	B-129Y	Exported to China on 20 September, ex N227JV.
560XLS+	<b>6308</b>	B-129Z	Exported to China on 20 September, ex N228JV.
560XLS+	<b>6310</b>	N345PF	Registered to Textron Aviation on 24 September.
560XLS+	<b>6316</b>	N868CM	Registered to Textron Aviation on 30 September.
680	<b>0186</b>	N680KS	Registered on 24 September, ex XA-UJP.
680	<b>0199</b>	N557SL	Reregistered from N12LE on 8 October.
680	<b>0318</b>	XA-	Exported to Mexico on 23 September, ex N318FF.
680A	<b>0031</b>	N894KS	Reregistered from N399DH on 29 September.
680A	<b>0168</b>	N168L	Delivered to Avpro on 24 September, ex CC-AXZ.
680A	<b>0292</b>	N923RE	Registered to Textron Aviation on 7 October.
680A	<b>0296</b>	N553QS	Registered to Textron Aviation on 4 October, for Netjets.
680A	<b>0297</b>	N554QS	Registered to Textron Aviation on 5 October, for Netjets.
700	<b>0064</b>	N710VM	Registered to Textron Aviation on 29 September.
700	<b>0063</b>	N637RP	Registered to Textron Aviation in October.
700	<b>0065</b>	N50MG	Registered to Textron Aviation on 14 October.
750	<b>0129</b>	N513JB	Reregistered from N929TX on 13 September.
750	<b>0181</b>	N25KN	Reregistered from N600AW on 30 September.
750	<b>0207</b>	N89BC	Reregistered from N49W on 14 October.
750	<b>0519</b>	N800CG	Reregistered from N500CG on 29 September.
Challenger	<b>20111</b>	N906GB	Bombardier Aerospace, ex OE-HII. Registered on 28 May.
300	<b>20178</b>	N253XS	XS Air, re-registered from N16DD on 5 May.
300	<b>20284</b>	TC-EAR	Noted Amsterdam-Schiphol on 13 October, ex TC-RZA. Operated by Genel Havacilik.
300	<b>20364</b>	N364DW	Bombardier Aerospace, ex C-GSUN. Registered on 4 June.
300	<b>20395</b>	N864RB	MRB Aviation, ex VT-APF. Registered on 28 April.
300	<b>20427</b>	N988RT	RT Development, re-registered from N309NZ on 9 June.
350	<b>20823</b>	N477SC	197JS, re-registered from N199JJ on 24 May.
350	<b>20879</b>	N717AS	Bombardier Aerospace, registered on 4 May.
350	<b>20880</b>	N312HC	Bombardier Aerospace, registered on 18 May.
350	<b>20884</b>	N884CL	Bombardier Aerospace, registered on 22 June.
601-3R	<b>5114</b>	ZS-IGC	Noted at Lanseria on 23 September, ex 2-MATO.
601-3A	<b>5128</b>	N868RB	Boji Express, re-registered from N307SC on 2 June.
601-3R	<b>5140</b>	XB-JFA	Noted at Cancun on 14 August, ex XA-JFC.
604	<b>5319</b>	M-CDAN	Hyperion Aviation, ex M-LOOK. Registered on 23 August.
604	<b>5355</b>	C-FTJP	NovaJet, ex N555WD. Registered on 2 September.
604	<b>5444</b>	N135SM	Solairus Aviation, re-registered from N604AF on 21 June.

	604	<b>5545</b>	N518JG	Joe Gibbs Racing, re-registered from N471RJ on 27 April.
	604	<b>5516</b>	N73ML	ML Acquisitions Company, re-registered from N145DC on 11 June.
	604	<b>5599</b>	5N-NMN	Noted at Basel on 17 August, ex T7-NMN.
	604	<b>5632</b>	N174FP	FE Aviation 174, re-registered from N632BA on 22 June.
	604	<b>5633</b>	N648CR	Alliance Aviation Group, re-registered from N604CC on 11 May.
	605	<b>5748</b>	2-GGGG	Delivered to Isle of Man on 21 October, ex VP-BGM.
	605	<b>5764</b>	9H-ALD	Hyperion Aviation, ex G-DAYR. Noted at Guernsey on 23 September.
	605	<b>5860</b>	N625LR	Avion Services, re-registered from N605JS on 24 May.
	605	<b>5921</b>	N921BG	Wilmington Trust, ex C-GITC. Registered on 6 May.
	650	<b>6063</b>	PS-GSI	Simpar, ex N683SC. CofA was issued on 2 September.
	650	<b>6166</b>	C-GUVU	Image Air Charter, registered on 16 September.
	650	<b>6166</b>	C-FSEP	Image Air Charter, re-registered from C-GUVU on 13 October.
Eclipse	EA500	<b>000020</b>	2-SHEE	Addition to Scramble 508.
	EA500	<b>000267</b>	2-CAZZ	Addition to Scramble 508.
Embraer	500	<b>50000371</b>	2-TOMY	Ex A6-EFB of Etihad Flight College was sold to TGTA Ltd. in the Guernsey register.
	500	<b>50000396</b>	T7-LBH	Former N775EV of Maveriko LLC was sold to Monty Mobile International Ltd.
	505	<b>50500099</b>	N716LL	Ex LN-HLM of Funkybiz AS/Altor Equity Partners was sold to Lindemann Logistics in the U.S.
	505	<b>50500197</b>	N31SS	Ex M-ELOW of Sleepwell Aviation Ltd. was sold to Segal Law Firm in the U.S.
	505	<b>50500206</b>	N400JA	Ex M-KGTS of VTS Sp. z.o.o. was sold to JetAviva LLC in the U.S. in September.
	505	<b>50500300</b>	N505BD	Former T7-MSP of Tulip Wings Ltd. was sold to Empower Air LLC in September.
	505	<b>50500359</b>	N926PS	Ex D-CCGM of Rhein Mosel Flug GmbH & Co KG was sold to Branch Aviation LLC.
	505	<b>50500442</b>	N365JH	Ex F-HJFL of Ovalto was recently sold to Hodge Aviation LLC in the U.S.
	505	<b>50500590</b>	T7-LASER	Former M-ASER of ACASS Ireland was sold to a yet unknown operator in the San Marino register.
	505	<b>50500626</b>	D-CIKS	This factory fresh Phenom was sold to Proair Aviation GmbH in Germany.
	505	<b>50500631</b>	HB-VAJ	Another new Phenom was delivered to Europe, this time for Execujet Europe AG.
	550	<b>55020139</b>	D-BOSS	One more, this time a Praetor 600 for Air Hamburg, ex PR-JAX.
Falcon	7X	<b>5</b>	VP-BGT	Noted Southampton on 2 October, ex 9H-TOO.
	7X	<b>46</b>	F-HCTV	Noted at Geneva on 7 October, ex N19NE.
	8X	<b>444</b>	N318EC	World Link Jet Charters, re-registered from N8X on 2 June.
	8X	<b>457</b>	OO-ELK	Luxaviation Belgium, ex F-HDMO. Registered on 9 September.
	8X	<b>468</b>	F-HHCB	Dassault Aviation, registered on 3 September.
	8X	<b>481</b>	T7-EAGL	Delivered to Geneva on 28 September.
	50EX	<b>255</b>	PS-JSR	JR Comercio e Exportação de Café, ex N60ME. Registered on 17 September.
	50EX	<b>262</b>	N5752H	Cartam Air, ex C-GOFJ. Registered on 10 May.
	50EX	<b>301</b>	N7150B	Pilot, re-registered from N715CB on 28 April.
	50EX	<b>306</b>	9H-CHZ	Skyfirst, ex 9H-CGH. Noted at Malta on 22 September.
	50EX	<b>328</b>	N955VG	J4V, re-registered from N918RD on 7 May.
	900B	<b>128</b>	N918LB	BVA Operations, re-registered from N404BC on 24 May.
	900EX	<b>18</b>	N387TS	Lonestar Avalanche, ex T7-MAX. Registered on 22 June.
	900EX	<b>135</b>	N311KB	Jet Plaid, re-registered from N296AG on 21 May.
	900EX	<b>183</b>	N868AA	DCCO Aviation II, ex I-SEAR. Registered on 15 June.
	900LX	<b>265</b>	N505RR	Sonic Automotive, re-registered from N993AM on 7 June.
	900LX	<b>280</b>	N280LX	Avpro, re-registered from N215EF on 5 May.
	900LX	<b>324</b>	VP-BTW	AMS, noted at Jersey on 16 October.
	900DX	<b>615</b>	N500JJ	JJ Air, re-registered from N232SF on 17 March.
	900DX	<b>616</b>	T7-FJA	Sonnig International Private Jets, ex P4-FJA. Noted at Geneva on 9 October.
	900DX	<b>623</b>	OE-IGE	International Jet Manager, ex G-ECHB. Registered on October.
	2000	<b>36</b>	N364AE	Sierrakilo, re-registered from N602LP on 4 June.
	2000	<b>37</b>	D-BHMP	Heron Aviation, ex CS-IHP. Delivered in September.
	2000	<b>141</b>	N278GH	Tdsair, re-registered from N54J on 27 April.
	2000	<b>224</b>	T7-5678	Phongsuthavy Road Building & Irrigation Construction Sole, ex N140NW. Registered in August.
	2000LX	<b>22</b>	N777	Erebus, re-registered from N118T on 7 May.
	2000EX	<b>79</b>	N360MJ	MJJT Falcon, re-registered from N886CE on 4 June.



It appears that Bombardier's newest Global 7500 demonstrator is N750GX, with msn 70068. It was registered to Global Flight, a company which Bombardier often uses for its demonstrators, on 28 May 2021. (Amsterdam-Schiphol, 28 September 2021, Robert Eikelenboom)





As far as we know, only two PC-12 Super Legacy XP aircraft exist. One of them is 2-FLYT, and T7-SLXP, shown here, is the other one. The Super Legacy XP is an upgraded older PC-12/45 or PC-12/47 variant, and features improvements to its power plant, propeller, cabin soundproofing and interior detail. T7-SLXP is the only 7-bladed variant. (Amsterdam-Schiphol, 16 September 2021, Robert Eikelenboom)

	2000EX	<b>137</b>	N612SDD	N321SD, re-registered from N119EM on 28 April.
	2000LX	<b>236</b>	N236LX	Wilmington Trust, ex PR-ALS. Registered on 21 May.
	2000LXS	<b>267</b>	N225AP	Talaria Logistics, re-registered from N325AP on 18 May.
	2000LXS	<b>283</b>	N666TR	DRT Falcon, re-registered from N225DF on 11 May.
	2000LXS	<b>292</b>	N78LX	Solairus Aviation, re-registered from N78KN on 28 April.
	2000LXS	<b>301</b>	N759Q	Working Group, re-registered from N927TD on 2 June.
	2000LXS	<b>371</b>	N482EC	Dassault Falcon Jet, registered on 12 March. Registered to Exelon Business Services on 20 May.
	2000LXS	<b>374</b>	N483EC	Dassault Falcon Jet, registered on 22 June. Registered to Exelon Business Services on 9 September.
Global	Express	<b>9007</b>	N907GX	Registered to Bombardier on 20 September, ex VH-LZP.
	Express	<b>9074</b>	ZS-SMF	Addition to Scramble 508.
	Express	<b>9113</b>	N954SP	Reregistered from N113XP on 5 October.
	Express	<b>9144</b>	N77NZ	Reregistered from N6VB on 5 October.
	XRS	<b>9316</b>	N316GX	Reregistered from N1868M on 28 September.
	XRS	<b>9339</b>	N125DT	Reregistered from N933JG on 14 September.
	XRS	<b>9387</b>	EJ-JMMM	Addition to Scramble 509, delivered to ACASS Ireland in September.
	5000	<b>9226</b>	VH-RIS	Delivered to Seletar Jet Charter on 24 September, ex N900TR.
	5000	<b>9584</b>	C-GBBA	Delivered to Aviation Starlink on 12 October, ex VP-CBF.
	6000	<b>9432</b>	N702ER	Registered on 7 October, ex VP-CCK of Gama Aviation.
	6000	<b>9562</b>	M-ERCI	Reregistered form M-ABCC on 31 August. Owned by ABA AG.
	6000	<b>9718</b>	CS-DHZ	Registered on 27 September, ex VP-BZN and OE-ISV.
	6500	<b>60023</b>	M-AJET	Addition to Scramble 508, delivered to Jetology on 8 September.
	6500	<b>60034</b>	VP-CJL	Registered in August, ex C-GNPG.
	6500	<b>60036</b>	N1886N	Delivered on 17 September, ex C-GNQX.
	6500	<b>60043</b>	SE-RMV	Addition to Scramble 508, at SAAB.
	7500	<b>70062</b>	N421SZ	Registered to Bombardier on 16 September, ex C-GPFG.
	7500	<b>70078</b>	N899ST	Registered to Bombardier on 15 September, ex C-GTNQ.
	7500	<b>70079</b>	N63RP	Registered to Bombardier on 16 September, ex C-GTNX.
	7500	<b>70080</b>	T7-688	Delivered to San Marino in October, ex C-GTQI.
	7500	<b>70082</b>	9H-VIF	Delivered to VistaJet Malta in October, ex C-GTSF.
	7500	<b>70085</b>	N366JC	Registered to Bombardier Aerospace on 21 October, ex C-GTTE.
Gulfstream	III	<b>323</b>	N323G	MD Aviation, ex XA-LNP. Registered on 8 June.
	IV	<b>1084</b>	T7-SAV	Noted Fort Lauderdale-International on 26 August, ex N41ZA.
	IV	<b>1118</b>	N269HV	Red River Aircraft Leasing, re-registered from N269HM on 20 May.
	IV	<b>1214</b>	N495WG	NXT Jet, re-registered from N477JB on 18 March.
	IVSP	<b>1406</b>	N86MS	Jet Edge, re-registered from N104AD on 30 August.
	IVSP	<b>1444</b>	N424JS	Sky Night, re-registered from N445SC on 23 June.
	G450	<b>4081</b>	N450BG	Americor Management, re-registered from N926RR on 2 June.
	G450	<b>4094</b>	RP-C8450	Asian Aerospace Services, ex T7-LFZ. Noted at Davao on 19 May 2019.
	V	<b>518</b>	LV-KAX	Baires Fly, ex N17ND. Noted at Tenerife South on 3 October.
	V	<b>665</b>	N333LX	CKE Associates, re-registered from N999LX on 24 May.
	V	<b>668</b>	N599TR	Thriveini Earthmovers, ex HZ-SK4. Registered on 7 May.
	G550	<b>5058</b>	N955AB	Redstone Partners, re-registered from N2480H on 9 June.
	G550	<b>5072</b>	N918WB	Choice Administrators Insurance Services, re-registered from N378L on 10 May.
	G550	<b>5155</b>	N377SA	Adams Office, ex EC-KUM. Registered on 28 May.
	G550	<b>5206</b>	N8SW	ICONIQ Capital, re-registered from N6JP on 24 May.
	G550	<b>5304</b>	N371JC	Sky Beyond Holdings, ex VP-CTE. Registered on 1 June.
	G550	<b>5322</b>	PS-FMV	Tconfal Administração de Bens, ex N900ES. Registered on 13 August.
	G550	<b>5374</b>	N623TA	Transcend Aviation, re-registered from N551PM on 24 May.
	G550	<b>5426</b>	N880SR	TVPX Aircraft Solutions, re-registered from N426GA on 3 May.
	G550	<b>5482</b>	N550BG	Bic, ex VP-CAT. Registered on 22 June.
	G650	<b>6026</b>	N650MV	Dorstone Holdings and Investments, re-registered from N919SB on 8 June.
	G650	<b>6118</b>	N889CH	Pasaca Capital, ex HB-JUF. Registered on 17 March.
	G650	<b>6132</b>	9H-BBH	Elit'Avia Malta, ex M-BHBH. Noted at Tel Aviv and Basel on 15 September.
	G650ER	<b>6425</b>	N680BB	Accurant International, re-registered from N625GA on 3 June.

	G650ER	<b>6427</b>	N886AJ	Breyer Capital Management, re-registered from N627GA on 9 June.
	G650ER	<b>6444</b>	N524EA	David Rubenstein, ex N644GS. Registered on 13 May.
	G650ER	<b>6449</b>	N649GA	Silver Lake Technology Management, registered on 20 May.
	G650ER	<b>6449</b>	N131DS	Silver Lake Technology Management, ex N649GA. Registered on 22 September.
	G650ER	<b>6450</b>	N83CW	Costco Wholesale, ex N640GA. Registered on 21 May.
	G650ER	<b>6452</b>	LX-ICE	Global Jet Luxembourg, ex N652GD. Noted at Luxembourg on 1 September.
	G650ER	<b>6456</b>	M-MBLY	Lynxjet Private Flights, ex N656GA. Registered on 26 August.
	G650ER	<b>6461</b>	N650KT	Mockingbird Air, ex N661GA. Delivered on 27 August.
	G500	<b>72008</b>	N508GD	Delta Jet, registered on 16 March.
	G500	<b>72008</b>	N142HC	Delta Jet, re-registered from N508GD on 14 June.
	G500	<b>72021</b>	N521GD	Gulfstream Aerospace, ex A7-CGR. Registered on 26 April.
	G500	<b>72029</b>	N529GD	Gulfstream Aerospace, ex A7-CGS. Registered on 26 April.
	G500	<b>72037</b>	N537GD	Gulfstream Aerospace, ex A7-CGT. Registered on 26 April.
	G500	<b>72070</b>	N1DM	Macneil Aviation, re-registered from N570GD on 28 May.
	G500	<b>72072</b>	N78KN	Solairus Aviation, ex N572GD. Registered on 20 May.
	G600	<b>73006</b>	N155TM	Solairus Aviation, re-registered from N155TM on 21 June.
	G600	<b>73009</b>	N600GS	MPT Operating Partnership, registered on 12 August.
	G600	<b>73036</b>	N4500X	Polaris Aviation Solutions, re-registered from N4500X on 3 June.
	G600	<b>73041</b>	N161B	Honeywell International, ex N641GS. Registered on 6 May.
	G600	<b>73044</b>	N554AV	Abbie Aviation Department, ex N944GA. Registered on 10 May.
IAI	G150	<b>245</b>	P*-	N245CX was exported to Brazil on 8 October.
	G200	<b>143</b>	N143GA	Reservation. ex C-FJOJ which was exported to the USA on 18 October.
	G200	<b>190</b>	N636SY	Reregistered from N769MS on 18 October.
	G280	<b>2108</b>	N280PD	Addition to Scramble 508, delivered on 20 August.
Learjet	45	<b>45-005</b>	LN-AWE	Former OY-GIC of FlexFlights ApS was sold to Airwing AS, but is operated by Aircraft Lease AS.
	45	<b>45-311</b>	OO-MED	Former G-XJET of Zenith Aviation Ltd. was sold to Air Services Liège.
Pilatus	PC-24	<b>186</b>	SE-RVA	Ex HB-VVB of Pilatus Flugzeugwerke was sold to Kommunalforbunder Svenskt Ambulansflyg.
	PC-24	<b>189</b>	SE-RVB	Ex HB-VVC of Pilatus Flugzeugwerke was sold to Kommunalforbunder Svenskt Ambulansflyg.
	PC-24	<b>235</b>	N316CT	Former HB-VUO of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in August.
	PC-24	<b>241</b>	HB-VUU	Registered to Pilatus Flugzeugwerke in August.
	PC-24	<b>244</b>	HB-VUX	Registered to Pilatus Flugzeugwerke in August.
Raytheon	390	<b>RB-35</b>	N40JD	Ex D-ISKO of Peak Air was sold to JDT Aviation LLC in the U.S. in October.
	390	<b>RB-41</b>	D-IFCB	Former N882AA of World Jet of Delaware Inc. was sold to a yet unknown operator in Germany.

## Bizprops

Beech	C90A	<b>LJ-822</b>	N107SR	Former F-GBLU of SàRL Icare Franche Compte was sold to 2Fly-Safety LLC.
	C90A	<b>LJ-1566</b>	N55ZR	Ex D-INMA of Makra was sold to Schuybroek Aviation Inc.
	B200T	<b>BT-15</b>	2-WKTK	Former N45N of DEA Aviation Ltd. was sold to Dynamic AvLease Inc.
	B350	<b>FL-229</b>	C-FYTY	Ex OY-MEN of Aerdan November ApS was sold to Fast Air Ltd. in Canada in September
Cessna	208	<b>00247</b>	OY-VPC	Noted at Stauning on 27 August, ex VH-PTX.
	208	<b>00340</b>	F-HSLE	Skydive Center, ex G-DLAK. Registered on 9 July.
	402B	<b>1222</b>	RA-67325	Registered on 24 May, ex HA-ACG.
	404	<b>0644</b>	YL-UFO	Insitute for Environmental Solutions, ex G-FIFA. Noted at Rhodos on 15 August.
	421C	<b>0879</b>	N421TC	Jet Air, ex OO-STG. Registered on 5 May.
	441	<b>0165</b>	N17TJ	Qualitair, ex EI-DMG. Registered on 19 May.
PAC	750XL	<b>156</b>	4X-DAJ	Noted at Masada/Bar Yehuda on 12 August, ex ZK-JZL.
Pilatus	PC-6/B2-H4	<b>1015</b>	PK-SNB	Former HB-FBA of Pilatus Flugzeugwerke was sold to a unknown operator in Indonesia
	PC-12/47E	<b>876</b>	D-FWPW	Former LX-JFQ of Jetfly Aviation was sold to Base Marl in Germany.
	PC-12/47E	<b>1669</b>	LN-FOX	Ex D-FHRG of Hahn Air was sold to A-Tec Aviation AS.
	PC-12/47E	<b>1731</b>	N731NG	Former SE-MIX of Grafair Flight Management AB was sold to Emmental Partners LLC.
	PC-12/47NGX	<b>2082</b>	OO-PCA	Former HB-FSE of Pilatus Flugzeugwerke was sold to European Aircraft Private Club in Belgium in August.



Whilst the previous 3A-MIG, PC-12/47E msn 1651 was painted in a white/grey colourscheme, the new 3A-MIG is almost completely black. This is one of the newer NGX variant, its msn being 2121. Deliveries of the PC-12 NGX are proceeding at a very rapid pace! (Stans, 23 September 2021, Stephan Widmer)



PC-12/47NGX <b>2096</b>	2-JEFE	Owner/operator now known as Brachert Aviation GBR. Addition to Scramble 509 – Page 48.
PC-12/47NGX <b>2098</b>	LX-FLJ	Former HB-FSU of Pilatus Flugzeugwerke was sold to Jetfly Aviation in July.
PC-12/47NGX <b>2112</b>	D-FJED	Former HB-FQL of Pilatus Flugzeugwerke was sold to a yet unknown owner/operator in Germany in August.
PC-12/47NGX <b>2113</b>	N69NL	Former HB-FQJ of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in August.
PC-12/47NGX <b>2115</b>	EJ-VAIS	Former HB-FQL of Pilatus Flugzeugwerke was sold to CAFICO Trust Company Ltd. in Ireland.
PC-12/47NGX <b>2124</b>	HB-FQV	Registered to Pilatus Flugzeugwerke in August.
PC-12/47NGX <b>2125</b>	HB-FQW	Registered to Pilatus Flugzeugwerke in August, later sold to:
PC-12/47NGX <b>2125</b>	N856GR	Pilatus Business Aircraft Ltd. in the US in September.
PC-12/47NGX <b>2126</b>	HB-FQX	Registered to Pilatus Flugzeugwerke in August.
PC-12/47NGX <b>2127</b>	HB-FQY	Registered to Pilatus Flugzeugwerke in August, later sold to:
PC-12/47NGX <b>2127</b>	N445NG	Pilatus Business Aircraft Ltd. in the US in September.
PC-12/47NGX <b>2128</b>	HB-FQZ	Registered to Pilatus Flugzeugwerke in August, later sold to:
PC-12/47NGX <b>2128</b>	N12NF	Pilatus Business Aircraft Ltd. in the US in September.
PC-12/47NGX <b>2129</b>	HB-FRA	Registered to Pilatus Flugzeugwerke in August.
PC-12/47NGX <b>2130</b>	HB-FRB	Registered to Pilatus Flugzeugwerke in August, later sold to:
PC-12/47NGX <b>2130</b>	N434LR	Pilatus Business Aircraft Ltd. in the US in September.
PC-12/47NGX <b>2131</b>	HB-FRC	Registered to Pilatus Flugzeugwerke in September, later sold to:
PC-12/47NGX <b>2131</b>	N131AF	Pilatus Business Aircraft Ltd. in the US in October.
PC-12/47NGX <b>2132</b>	HB-FRD	Registered to Pilatus Flugzeugwerke in September, later sold to:
PC-12/47NGX <b>2132</b>	N90GM	Pilatus Business Aircraft Ltd. in the US in October.
PC-12/47NGX <b>2133</b>	HB-FRE	Registered to Pilatus Flugzeugwerke in September, later sold to:
PC-12/47NGX <b>2133</b>	N805CW	Pilatus Business Aircraft Ltd. in the US in October.
PC-12/47NGX <b>2134</b>	HB-FRF	Registered to Pilatus Flugzeugwerke in September, later sold to:
PC-12/47NGX <b>2134</b>	N58GX	Pilatus Business Aircraft Ltd. in the US in October.
Piper 46-500TP <b>4697562</b>	2-TRAC	William Cook Aviation, ex 2-COOK. Noted at Gloucester on 23 August.

## 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 (over 150,000 records) consider using the advanced search options.

For full production lists see the Soviet Transports downloads page at the [AirHistory.net](http://AirHistory.net) website. On the 'reference' tab on this site there is a sub-page 'Soviet Transport Data Files' and there you can find;

- the free, downloadable, January 2021 editions of known production lists of the all types (over 250) included in the 'Soviet Transports' database, which includes all known military transport aircraft and helicopters as well as bombers;
- 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 and where to find them 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. A total rundown of all files in early 2021 shows a new book would equate over 2,150 pages, were it to be published in the same format as the 2004 edition, A4 in small print. The entire Soviet Transports team is hoping to continue working on this data in the future and to continue to make fresh information freely available, as well as updating existing information and publishing historical data still sitting on our desks, waiting to be processed.

Ae 145	<b>20-002</b>	VH-WWC	Commodore Aviation	photo	10oct21	in pristine condition in Adelaide museum
An-2	<b>1170(473)08</b>	OK-RID (1)	Air Club Vintage	photo	28sep21	seen preserved Vlkov (N9.14929962 E14.72025394)
An-2T	<b>1G108-57</b>	N857PF	Priority Farms	w/o	14oct21	when stalled shortly after takeoff Alta Mesa Airpark
An-2P	<b>1G132-52</b>	SP-ANX (2)	Aeroklub PRL		15jan21	moved to Altendorf (betw. Bad Schandau and Sebnitz)
An-2R	<b>1G150-49</b>	RA-07414	Aeroflot	photo	10oct21	preserved Donetsk-Mikhlaitobo without titles
An-2T	<b>1G157-08</b>	N915UD	Daniel A. Brown	rgd	19aug21	ex SP-AMP
An-2R	<b>1G166-55</b>	RF-02342	no titles	photo	03sep21	in Saratov region in ex Aeroflot c/s; ex СССР-82823
An-2R	<b>1G174-21</b>	RA-40843	AGAT	photo	26jun21	and 17sep21 active at Shushenskoye-Kazantsevo
An-2R	<b>1G202-05</b>	RA-84747	AGAT	photo	17sep21	active at Shushenskoye-Kazantsevo in red/white c/s
An-2R	<b>1G216-49</b>	RA-01438(2)	all yellow, no titles	ph	08oct21	active at Magadan-13km.
An-2R	<b>1G226-09</b>	RA-33350	blue/white, no titles	dam	19oct01	forced landed 400 meters short of Alapayevsk runway after engine failure
An-2R	<b>1G226-37</b>	UR-33378	O.G. Pavlushin	rgd	29sep21	
An-2T	<b>1G236-48</b>	RF-00460	DOSAAF Rossii	photo	26jul21	at Rybinsk-Yuzhny in all-blue c/s
An-2T	<b>1G236-57</b>	RF-00477(2)	DOSAAF Rossii	Tan	10aug19	'300 let Kuzbass' (300 years of the Kuznetsk Basin)
An-3T	<b>2310</b>	RA-05870(2)	AGAT	Ovm	09oct21	
An-12BK	<b>02 34 81 09</b>	RF-12556	Russ. Space Forces	URS	2021	all grey, no titles; also wearing code "17" red
An-22A	<b>03 34 80219</b>	RF-09328	Russian Air Force	KLD	oct20	engine # 4 missing; rep. sep21 as placed in storage
An-24B	<b>7 73 032 03 ?</b>	'46287'	KEKTE NAU titles	IEV	oct21	fuselage only, no outer wings or propellers
An-24RV	<b>3 73 087 07</b>	RA-46620	Angara	trf	08aug21	f/n IKT 24aug21 with titles; l/n IKT 09sep21
An-24RV	<b>3 73 088 04</b>	RA-46625	IrAero	GDX	12oct21	all white with motif on tail, no titles
An-26	<b>64 07</b>	EK-26407	South Airlines	photo	05oct17	S9-GBA on top of the wing so c/n for this finally known
An-26	<b>72 04</b>	RF-36023	Russian Air Force	OVB	06oct21	now coded "27" blue and with a snow leopard motif
An-26	<b>94 05</b>	UR-CTT	Vulkan Air	rgd	26oct21	ex military, probably ex Uzbek Air Force "02" red?
An-26	<b>96 09</b>	UR-CTM	Vulkan Air	rgd	26oct21	ex military, probably ex Uzbek Air Force "03" red?
An-28	---	TL-KPF	all white, no titles	BGF	13oct21	confirmed again as an An-28
An-28	---	TL-KP.	all white, no titles	BGF	13oct21	conf. as a second an An-28 present next to TL-KPF
An-32A	<b>16 07</b>	RA-69355	Air Express	VOZ	24aug19	reported placed in store sep21

An-32B	<b>32 05</b>	UR-JOZ	Meridian	rgd	04oct18	canx between 07/21aug21 and re-stored 08oct21
An-74D	<b>#470 98 943</b>	EX-74001(2)	Sapsan	rgd	29sep21	ex RA-74048
An-72	---	RF-95954	Russian Air Force	lva	may21	GLITs badge behind the cockpit, coded "04" red
An-148-100	<b>01 09</b>	UR-UKN	'Ukrayina'	trf	21sep21	to the MoD; to be opb 15 BrTrA at KBP
An-148-100	<b>27015041011</b>	UR-CTC	Air Ocean Airlines	rgd	07oct21	ex RA-61711; ferried from KIV to KBP 14oct21
An-148-100	<b>27015042014</b>	UR-CTF	Air Ocean Airlines	rgd	07oct21	ex RA-61714; ferried from KIV to KBP 15oct21
Il-18D	<b>18600 94 03</b>	TL-KBR	no titles	BGF	13oct21	still in basic 'NPP "MIR" c/s; ex (RA-)75713(2)
Il-28R	<b>4 90 07 03</b>	not known	Soviet Air Force	w/o	07feb72	on a training flight from Novorossiya
Il-78	<b>00834 87598</b>	N78MX	North American T. A.	rgd	25oct18	never taken up; canx 09sep21 as to Ukraine
Il-78	<b>00934 94838</b>	RF-94286	Russian Air Force	Rzd	19aug21	coded "85" blue
Il-76MD-90	<b>02-06</b>	RF-78661	Russian Air Force	h/o	08sep21	at Ulyanovsk Factory
Il-76MD-90A	<b>02-07</b>	78662	primer	f/f	04oct21	
Ka-27PS	<b>5235004686602</b>	RF-19590	FSB	w/o	23sep21	crashed into Ostraya mountain, Kamchatka
Ka-27PS	---	RF-93559	Russian Air Force	photo	jul19	active at Torzhok; coded "35" yellow
Ka-32A11BC	5233242010001	B-7811	Shandong General Avn	w/o	29oct21	cr. under unknown circumstances in Chenzhou City,
Ka-52	<b>35382618002</b>	RF-13446	Russian Air Force	photo	01sep21	also carried code "74" blue
Ansats-GMSU	<b>33 090</b>	RA-20014	RVS	dam	23sep21	landed hard near a Hospital in Izhevsk, possibly dbr
Ansats	---	E7-MUP	Republika Srpska Police	f/n	15oct21	-MUP stands for Ministarstvo unutrašnjih poslova (Ministry of Interior)
Ansats	---	E7-SAJ	Republika Srpska Police	f/n	15oct21	-SAJ stands for Specijalna Antiteroristicka Jedinica (Special Anti-Terrorist Unit)
L-410MA	<b>73 02 07</b>	RP-C8070	no titles	photo	mid21	at Pangasinan white fuselage; ex 7Q-YAA
L-410UVP-E3	<b>87 18 26</b>	RF-94591	DOSAAF	w/o	10oct21	crashed near Menzelinsk killing 16 occupants
L-410UVP-E20	<b>29 16</b>	RA-67042(2)	Aeroservis	w/o	12sep21	crashed in a forest near Kazachinskoye Airport
Li-2	<b>38 03</b>	not known	Soviet Air Force	mfd	1948	the fin was still extant Tanyurer (Chukotka) aug21
Li-2	---	"5810"	Soviet Air Force	w/o	03/04oct43	on landing behind the German lines on the Crimea
Li-2	---	"26"	Soviet Air Force	w/o	26jun43	crashed when the left engine failed on take-off
Li-2s	---	"24" & "28"	Soviet Air Force	w/o	01sep56	when collided and crashed 33 km south of Kartun
Mi-2	<b>51 3318 014</b>	no reg	privately owned	photo	sep21	at Potapov; operational with crop-spraying equipment
Mi-2	<b>54 6226 079</b>	"52" red'	Strategic Rocket Force	photo	11jul21	pres. in fake colours in Tsentr veteranov at Zvyozdny
Mi-2	<b>52 7229 071</b>	ex RA-20268	no titles	photo	05sep21	preserved at Prokopyevsk (N53.871709 E86.622281)
Mi-2	<b>54 7347 101</b>	RF-00113	ROSTO	Tan	05sep21	dumped between trees at Tanai
Mi-2MSB	<b>54 9715 036</b>	"50" yellow	Ukrainian Navy	Mkk	23sep21	c/n checked
Mi-2	<b>5410541 038</b>	RA-14062	Aeroural	photo	13sep21	in the Sverdlovsk region
Mi-4	<b>08 27</b>	CCCP-L0509	AFL/Far East	w/o	01sep56	on a flight to evacuate fire jumpers and workers
Mi-4	<b>08 110</b>	no serial	Bulgarian Air Force	photo	sep21	GIA at Karlovo (N42.64211 E24.78971)
Mi-8	<b>01 43</b>	"47" white'	Ukraine Air Force	photo	sep21	in the Poltava museum in these fake markings
Mi-8T	<b>10457</b>	HT452	Peruvian Navy	dbr	14sep21	an engine ingested a bird and failed and forced landed
Mi-8MSB-V	<b>9 73 34 19</b>	"44" yellow	Ukrainian Navy	Mkk	23sep21	c/n checked
Mi-8T	<b>9 81 03238</b>	RA-24702	Geliks	photo	sep21	without engines and rotors at Surgut-Chornaya rechka
Mi-8T	<b>9 84 15300</b>	RA-22853	Geliks	photo	sep21	without engines and rotors at Surgut-Chornaya rechka
Mi-8T	<b>9 84 15987</b>	RA-25654(2)	Geliks	photo	sep21	without engines and rotors at Surgut-Chornaya rechka
Mi-8T	<b>9 92 57223</b>	RA-22155(2)	Aerogeo	photo	17sep21	in all-white c/s active in the Krasnoyarsk region
Mi-8MTV-1	<b>9 5634</b>	RA-25489	UTair	photo	15sep21	at the Yasnyj helipad
Mi-8MTV-1	<b>9 5646</b>	RA-25501	Polyar-Avia	Gkm	30sep21	in red c/s with black cheatline and trim, with titles
Mi-8MTV-1	<b>9 6073</b>	UR-UHZ	Ukrainian Helicopters	rgd	08oct21	to Airlease Service Co. LLL of the USA; ex RA-25761
Mi-8MTV-1	<b>9 6077</b>	GN-204	Guardia Nacional	NLU	22sep21	in grey/white c/s with large titles; ex PF-204
Mi-8MTV-1	<b>9 7531</b>	--	primer	Kzh	27aug21	on the assembly line; for Yamal
Mi-8MTV-1	<b>9 7532</b>	--	primer	Kzh	27aug21	on the assembly line; for Yamal
Mi-171E	<b>171E00196137304U</b>	7304	Libyan Air Force	dbr	24oct21	when came down hard and rolled over
Mi-171A2	<b>171A02356170104U</b>	VT-SKH	Sky One Airways	rgd	16jun21	to STLC Europe Twenty Four Leasing Co.
Mi-17-1V	<b>031M29</b>	"170" yellow	Azerbaijani Air Force	no	reports	c/n now known
Mi-17-1V	<b>229M01</b>	UR-HZD	AMIS (UAE)	rgd	27oct21	opb N3Operation LLC; ex OB-1993-P
Mi-8MTV-1	---	RA-22155(3)	AeroGeo	photo	17sep21	at in MARZ DOSAAF at Fedurnovo (Chornoye)
Mi-8AMTSh	---	RF-04428	Russian Air Force	OVB	06oct21	coded "62" red
Mi-8AMTSh	---	RF-04465	Russian Air Force	photo	2021	coded "19" yellow
Mi-8AMTSh	---	RF-04468	Russian Air Force	OVB	06oct21	coded "76" red
Mi-8AMTSh	---	RF-04484	Russian Air Force	OVB	06oct21	coded "40" red
Mi-8AMTSh	---	RF-04485	Russian Air Force	OVB	06oct21	coded "41" yellow
Mi-8MTV	---	RF-04543	Russian Air Force	GOJ	aug21	carried no code
Mi-8	---	RA-22224(2)	National Ambulance AS	photo	sep21	at the LED-Helidrive; i/n UUS 08oct21
Mi-8AMTSh	---	RF-91194	Russian Air Force	photo	15jul21	coded "22" red
Mi-8AMTSh	---	RF-91288	Russian Air Force	OVB	06oct21	coded "58" red
Mi-8MT	---	RF-95385	Russian Air Force	photo	dec13	coded "30" blue
Mi-8AMTSh	---	RF-95561	Russian Air Force	TV	30aug21	coded "64" blue
Mi-17V-7	---	LH921719 & 66	Chinese Army	photo	sep21	opb 85th Brigade at Tongxian
Mi-17V-5	---	LH951721	Chinese Army	photo	sep21	opb 81st Brigade at Tongxian
Mi-17V-5	---	LH962789 & 92	Chinese Army	photo	sep21	opb 79th Brigade at Liaoyang
Mi-171	---	LH992751 & 55	Chinese Army	photo	sep21	opb 72nd Brigade
Mi-171E	---	LH993701 & 09	Chinese Army	photo	sep21	opb 73rd Brigade
Mi-171	---	LH993757	Chinese Army	photo	sep21	opb 73rd Brigade
Mi-8T	---	8220	Mongolian Army ?	photo	possibly c/n 8220; titles are not readable on the photo	
Mi-10	<b>6 68 03 01K</b>	CCCP-04103	AFL/Central Region	trf	24nov67	scrapped by Novosibirski ARZ in 1978
Mi-10K	<b>6 68 04 03K</b>	CCCP-04105	AFL/Central Region	toc	15apr67	scrapped by Novosibirski ARZ in 1978
Mi-24P	---	RF-29523	Russian Air Force	photo	jun19	coded "24" red
Mi-24P	---	RF-91219	Russian Air Force	photo	mar17	coded "33" red



Mi-24P	---	RF-91222	Russian Air Force	photo	20sep19	coded "58" yellow
Mi-24P	---	RF-91843	Russian Air Force	TV	04oct21	coded "41" red
Mi-24P	---	RF-93087	Russian Navy	photo	jun20	coded "24" red
Mi-24P	---	RF-94978	Russian Air Force	photo	sep21	coded "28" yellow
Mi-24P	---	RF-95281	Russian Air Force	OVB	06oct21	coded "31" red
Mi-26	<b>34001212130</b>	(EW-312ET)	camo c/s, no marks	photo	16oct21	at Minsk-Lipki in operational condition
Mi-26T2V	---	"910" white	Russian Air Force	Kub	24aug21	
Mi-28UB	---	RF-13668	Russian Air Force	Rzd	aug21	coded "43" blue
RRJ-95B	<b>95 035</b>	RA-89017	Rossiya	SVO	25oct21	named 'Petrozavodsk' after the capital of Karelia
RRJ-95B	<b>95 091</b>	RA-89062	Rossiya	SVO	09oct21	named 'Magas' after the capital of Ingushetia
RRJ-95B	<b>95 142</b>	RA-89103	Rossiya	SVO	09oct21	named 'Nalchik' after the capital of Kabardino-Balkaria
RRJ-95B	<b>95 170</b>	RA-89157	Sukhoi Civil Aircraft	rgd	28jan21	in full 'white' 2020 c/s f/n ULY 18sep21
RRJ-95B	<b>95 171</b>	RA-89158	Redwings	ZIA	20oct21	
RRJ-95B	<b>95 185</b>	RA-89123	Rossiya	LED	02oct21	named 'Klin' after a town in the Moscow region
RRJ-95B	<b>95 186</b>	RA-89124	Rossiya	LED	13oct21	named 'Ivangorod' after a town on the Estonian border
RRJ-95B	<b>95 188</b>	RA-89125	Rossiya	SVO	24oct21	named 'Suzdal' after a town in the Vladimir region
RRJ-95B	<b>95 206</b>	RA-89146	Rossiya	LED	24oct21	named 'Ufa' after the capital of Bashkortostan
RRJ-95B	<b>95 207</b>	RA-89147	Rossiya		07sep21	named 'Yaroslavl' after a city on the river Volga
RRJ-95B	<b>95 209</b>	RA-89169	Rossiya		01oct21	named 'Gorno-Altai' after the capital of Altai region
RRJ-95B	<b>95 210</b>	89170	Rossiya	ZIA	oct21	named 'Baltisk'; after a town in the Kaliningrad region
RRJ-95B	<b>95 212</b>	89171	Rossiya	ULY	28sep21	named 'Kaluga' after a city on the river Oka
RRJ-95B	<b>95 213</b>	RA-89172	Rossiya	LED	10oct21	named 'Kolomna' after a city in the Moscow region
RRJ-95B	<b>95 214</b>	89173	Rossiya	ZIA	25oct21	named 'Korolyov' after a city in the Moscow region
RRJ-95B	<b>95 217</b>	89176	primer	fff	22sep21	for Rossiya
RRJ-95B	<b>95 218</b>	89177	primer	fff	08oct21	
Tu-22M3	---	RF-94232	Russian Air Force	photo	03oct19	coded "23" red; with 'VKS Rossi' titles
Tu-95MS	<b>100021 3 4 23103</b>	RF-94188	Russian Air Force	photo	mar21	coded "43" red
Tu-95MS	---	RF-94169	Russian Air Force	photo	oct21	coded "29" red
Tu-95MS	---	RF-94187	Russian Air Force	photo	2021	coded "61" red
Tu-134A-3	<b>66180</b>	RA-65935	Kosmos		14oct21	cockpit and forward fuselage seen near the Seldins-koye Highway, Ulyanovsk resting on rubber tyres
Tu-154M	<b>90A839</b>	'RA-85495'	Siberia	MRV	11sep21	repainted as such with this false reg
Tu-154M/D	<b>91A872</b>	B-4016	Chinese Air Force	NAY	22sep19	reported sep21 as scrapped, date and place unknown
Tu-154M/D	<b>93A950</b>	B-4029	Chinese Air Force	l/n	12oct19	reported sep21 as scrapped, date and place unknown
Tu-160M2	---	RF-94444	primer	fff	sep21	f/n Kazan-Borisoglebskoye 17sep21, flying
Tu-160M	---	--	primer		sep21	under assembly Kazan-Borisoglebskoye; line # 09-01
Tu-204-300	<b>145074 3 3 64026</b>	RA-64026	Rosgvardiya	CKL	23jul21	c/n confirmed
Yak-10	---	СССР-G269	Mingeo	rgd	1947	Ministry of Geology
Yak-10	---	СССР-G270	Mingeo	rgd	1947	Ministry of Geology
Yak-10	---	СССР-G271	Mingeo	rgd	1947	Ministry of Geology
Yak-12M	<b>16 5 11</b>	СССР-Sh400	AFL/Sasovo Flying School	rgd	23nov56	struck off charge 25mar61
Yak-12M	<b>16 5 12</b>	СССР-Sh401	AFL/Sasovo Flying School	rgd	23nov56	became СССР-56401 rgd 01jul58
Yak-12M	<b>16 5 13</b>	СССР-Sh402	AFL/Sasovo Flying School	rgd	23nov56	became СССР-56402 rgd 01jul58
Yak-12M	<b>16 5 16</b>	СССР-Sh405	AFL/Sasovo Flying School	rgd	23nov56	became СССР-56405
Yak-12M	<b>16 5 17</b>	СССР-Sh406	AFL/Sasovo Flying School	rgd	23nov56	became СССР-56406 rgd 30jun58
Yak-12M	<b>16 5 18</b>	СССР-Sh407	AFL/Sasovo Flying School	rgd	23nov56	became СССР-56407 rgd 30jun58
Yak-18T	<b>22202040060</b>	F-WRYL		photo	25sep21	at Toussus le Noble; ex LX-FLA
Yak-40	<b>9 61 01 47</b>	EK-88167	'Noyland'	photo	10oct21	at the Chkalovka-Noyland Resort preserved
Yak-40	<b>9 64 05 51</b>	RA-88236	Aerobratsk	wfu	sep21	for display purposes at Belogorye
Yak-40K	<b>9 83 20 58</b>	RA-87222	Yamal		jun21	preserved Yuribey Nature Park (Tyumen)
Yak-40K	<b>9 93 20 59</b>	RA-87219	not known		29may21	dismantled and reported transported to the Energia college at Zheleznodorozhny, Moscow region
Yak-42D	<b>452042 44 09 016</b>	RA-42452	Space-RSC Energia	ARH	aug21	ex Gazpromavia c/s, 'COSMOS' titles
ARJ21-700	<b>101</b>	B-00FH	COMAC	photo	19oct21	fuselage on a low loader trucked out of the factory
ARJ21-700	<b>105</b>	B-3322	COMAC Express	PVG	19sep21	in white c/s with red tail and light grey trim, with titles
ARJ21-700	<b>122</b>	B-620E	Chengdu Airlines	CTU	01may21	ex B-001T (2)
ARJ21-700	<b>157</b>	B-651E	OTT Airlines	PVG	10may21	
ARJ21-700	<b>161</b>	B-621G	China Southern	h/o	09sep21	
ARJ21-700	<b>171</b>	B-099H	China Southern	PVG	19sep21	
ARJ21-700	---	B-001V (4)	China Express	PVG	18jul21	at the factory in full c/s
CJ6A	<b>37 320 20</b>	N757PS	Paul K. Stehlik	rgd	25nov19	current on register oct21; ex N6343U
H6K	<b>0 24 11</b>	10098	Chinese Air Force	ZUH	oct16	c/n now known
H6K	<b>0 24 20</b>	11198	Chinese Air Force	photo	aug17	c/n now known
H6K	<b>0 24 45</b>	10092	Chinese Air Force	ZUH	03oct21	c/n now known
H6K	<b>0 24 98</b>	10294	Chinese Air Force	photo	27aug21	at Ryazan-Dyagilevo; c/n now known
MA60	<b>11 10</b>	B-651N	China Meteorological Adm.	XIY	15sep21	China Meteorological Administration
Y7-100	---	55111	Chinese Air Force	photo	18oct21	CTC/Transport & SAR Brigade
Y9	---	10659	Chinese Air Force	ZUH	04oct21	4th Div/11th Reg
Y9	---	10752	Chinese Air Force	photo	09sep21	4th Div/11th Reg
Y9	---	52018	Chinese Air Force	photo	09sep21	STC/Transport & SAR Brigade
Y12-IV	---	B-0EKY	Myanmar Air Force c/s	CGO	20sep21	d/d 27oct21 ex KMG; to become serial 4506
Y12-IV	---	B-0HKS	Myanmar Air Force c/s	CGO	20sep21	d/d 27oct21 ex KMG; to become serial 4507
Y20A	<b>20 039</b>	20145	Chinese Air Force	CGO	20sep21	in dark grey c/s with lo-viz markings
Y20A	---	20144	Chinese Air Force	WUH	18aug21	in dark grey c/s with lo-viz markings

## PH register

### Newly registered aircraft:

PH-DWZ	Van's RV-7A	<b>74425</b>	29sep21	Plopper Aviation BV
PH-HCJ	Guimbal Cabri G2	<b>1288</b>	10sep21	HeliCentre Invest BV
PH-MNX	Van's RV-7	<b>74668</b>	15sep21	M.J.H. Heijmans
PH-PMW	Pottier P 80 S	<b>50</b>	15sep21	G.P.J. Marchal
PH-TLS	Lancair Legacy	<b>L2K-338</b>	13sep21	J. Vorenholt
PH-9J0	Scout Zero	<b>CLN:017813</b>	17sep21	P.C. Blokker
PH-9K0	Scout One Enduro	<b>BB21110</b>	03sep21	P.C. Blokker

### Change of ownership:

PH-BAW	SOCATA TB-9	<b>1470</b>	5747	17sep21	Jönköpings Flygklubb
PH-BRA	Pilatus PC-12/47E	<b>1735</b>	9791	30sep21	Flying Partners C.V.
PH-EJN	Colt 105A	<b>1452</b>	8122	29sep21	G.J. Koskamp
PH-ESE	SOCATA TB-20	<b>2202</b>	6495	07sep21	M. del Priori
PH-FEA	SOCATA TB-20	<b>1920</b>	6645	06sep21	P.R.E. Grisoul
PH-KPG	Fuji FA-200-180	<b>FA-200-99</b>		24sep21	Wings over Holland BV
PH-LEF	Cessna 182Q	<b>182-67283</b>		28sep21	Sky Academy BV
PH-NEM	Lindstrand LBL 160A	<b>1359</b>	7734	20sep21	Giroinmolfiera SRL
PH-NTZ	Van's RV-7	<b>72206</b>		01sep21	A. Liotti
PH-RAB	Diamond DA40-D	<b>D4.162</b>	6733	24sep21	Windprofit BV
PH-SKG	Cessna 152	<b>152-85168</b>	4070	27sep21	P.M. Miranda dos Santos Francisco
PH-SWN	Cessna 414A	<b>414A-0420</b>	6186	10sep21	H.J. Wallmeier
PH-3Y5	CH-601 XL	<b>2888856</b>	20773	01sep21	J.T.P.L. Claassen
PH-4J3	Flight Design CT Supra	<b>11-4-2004</b>	21043	24sep21	A. Elevelt
PH-7Y3	Nirvana Instinct	<b>2113043</b>	8247	24sep21	R.J. Boertien
PH-1500	Schempp-Hirth Ventus c	<b>324</b>		09sep21	B.F.J. Heylen

### Cancelled from register:

PH-ADQ	Canadair CL-600-2D24	<b>15207</b>		10sep21	No longer compliant with requirements.
PH-ADT	Canadair CL-600-2D24	<b>15215</b>		10sep21	No longer compliant with requirements.
PH-ADU	Canadair CL-600-2D24	<b>15128</b>		10sep21	No longer compliant with requirements.
PH-BBJ	Cessna 560XL	<b>560-6266</b>		30sep21	To Germany.
PH-BCF	Kitfox Classic IV	<b>C-95120133</b>	7451	22sep21	To Poland.
PH-BGW	Boeing 737-7K2	<b>38128</b>	7765	30sep21	To Cayman Islands.
PH-EUJ	AgustaWestland AW139	<b>35511</b>	8189	28sep21	To G-SNSL.
PH-MAR	Sky Balloons Sky 65-24	<b>108</b>	8640	14sep21	To France.
PH-ZSM	Kitfox V Speedster	<b>S9411-0064</b>	8756	06sep21	Wfu.
PH-4F1	Aerospool Dynamic WT9	<b>DY-343/2010</b>	20975	30sep21	To France.
PH-4F2	Aerospool Dynamic WT9	<b>DY-344/2010</b>	20970	24sep21	To Austria.
PH-4M2	Pipistrel Alpha Trainer	<b>719 AT 912</b>	8561	13sep21	More than 1 year without valid airworthiness document.
PH-4M4	HFL Stratos 300 K	<b>300-011</b>	8924	30sep21	More than 1 year without valid airworthiness document.
PH-8M9	Fly Products Gold 130+	<b>M26193</b>		15sep21	More than 1 year without valid airworthiness document.
PH-8P7	Fly Products Gold 130+	<b>61076</b>		06sep21	More than 1 year without valid airworthiness document.
PH-8U7	Fresh Breeze SportiX	<b>323</b>	20992	15sep21	More than 1 year without valid airworthiness document.

### Additions, corrections and news:

PH-ABA	Cessna FR182	<b>FR18200052</b>			Ex G-EIWT, D-EIWT, OO-BLI.
PH-BAR	Tecnam P2010	<b>105</b>			Ex I-PDVD.
PH-BBC	Cessna 182T	<b>18281983</b>			Ex F-GGEI, SP-THG, N11618,
PH-BBI	Lancair 235	<b>110</b>			Ex OY-PND.
PH-CGV	Dassault Falcon 2000EX	<b>365</b>			Ex F-WWGE.
PH-HHN	Eurocopter EC155B1	<b>6655</b>			Ex G-CKUT, OY-HJP, F-WWOI.
PH-JOR	Van's RV-4	<b>779</b>			Ex HA-SABC, N13HW.
PH-LGD	Embraer EMB-550	<b>55000011</b>			Ex N500GX, N657GX, PR-LGO.
PH-MLW	Socata TB-10	<b>1190</b>			Ex D-ETON, N55391.
PH-NXB	Embraer 190-400	<b>19020047</b>			Ex PR-EAF.
PH-PMV	CASA 1.131-E 2000	<b>2092</b>			Ex G-BUVN, EC-333, E3B-487.
PH-TIO	Cessna T182T	<b>T18208095</b>			Ex D-EYAL, N35520.
PH-TRZ	Blackshape BS 115	<b>BCV.21004</b>			Ex I-PDVJ.
PH-VHP	Piper PA-28-161	<b>28-8016251</b>			Ex F-GCJD, N8148U.
PH-WMM	Cessna 525	<b>525-0118</b>			Ex OO-EUR, D-IRWR, (D-ILEJ), D-IRWR, N118AZ, (N61TF), N52178, N5203S.
PH-XXH	Piper PA-32R-301T	<b>32R-8029109</b>			Ex OO-TAX, F-GTML, CN-TKA, F-GDOA, OO-SJM, N82542.
PH-YIS	Airbus EC135 T3H	<b>2102</b>			Ex D-HECK.
PH-3Y3	Aeropro Fox-912	<b>11401</b>			Ex OO-F76, PH-3Y3.
PH-1639	Schleicher ASW 24	<b>24212</b>			Ex D-6962, OY-XVE, D-6962.
PH-1646	Diamond HK-36TTC	<b>36612</b>			Ex F-CHQE, OE-9409.
PH-1648	Slingsby T38	<b>791</b>			Ex (PH-1185), BGA3488/FSK, WZ795.
PH-1653	Schempp-Hirth Nimbus-2	<b>85</b>			Ex D-8146, OH-899, D-2784.
PH-1655	Schempp-Hirth Discus-2T	<b>32</b>			Ex D-KLHI, F-CFDR.
PH-1658	Schleicher ASH 26 E	<b>26074</b>			Ex SP-3975, HB-2276.

Credits: Inspectie Leefomgeving en Transport, airnieuws.nl.



# Wrecks & Relics



The Belgian Air Force uses F-16AM LB-061 as an instructional airframe. The meaning of the serial of this former Dutch J-624 is not clear. It is most likely a reference to the Lijn & Bewapening (line maintenance and armament) unit which uses hangar 61, although some say it might be a link to the Mark 61 bomb. (Kleine Brogel, 11 September 2021, Laurent Heyligen)

## Netherlands

### Baarlo

PS Aero has moved their Lynx AH7 ZD282 to someone in Germany by late October. The Soviet star and serial 2506 have been removed.

### Lelystad

221/K	AB204B	stored, ex Anna Paulowna	oct21
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The helicopter is stored in the Aviodrome T2 hangar.

## Belgium

### Helchteren

FX99	F-104G	preserved	<b>9172</b>	oct21
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On 22 October the Starfighter fuselage arrived at the private collection. It came all the way from Markham, Canada. The tail and other bits still have to come.

### Beauvechain

ST21	SF260M	stored	<b>10-21</b>	oct21
ST27	SF260M	stored	<b>10-27</b>	oct21

ST21 was used for a new IFR modification program. Due to poor results the project was stopped. The aircraft was not demodified and is no longer used. During heavy maintenance in 2017 serious corrosion was found on the ST27 which resulted in the grounding of the aircraft. Currently also stored are ST19, ST20 and ST25, of which ST20 is planned to fly again in 2022.

### Brustem

(T.12B-53)	C212-100	preserved, cockpit	<b>96</b>	sep21
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This Aviacar was destined to become YA-EHA01, but never made it further the Malta. It was stored there since April 2011. It is scrapped by Fenix Recycling and the cockpit was preserved at Finex owners house in Langdorp for some time. It has now been sold and turned into a food truck and seen at Brustem. This is however not its home base.

### Kleine Brogel

LB-061	F-16AM	instructional	<b>6D-56</b>	sep21
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Former Dutch F-16 J-624 is now in use Kleine Brogel as instructional airframe.

### Koksijde

RS02	Sea King Mk48	OO-SEE	<b>WA832</b>	oct21
RS04	Sea King Mk48	OO-KNG	<b>WA834</b>	oct21

Both civil registrations are for test- and ferry flight only. OO-SEE was allocated on 12 July and OO-KNG on 13 July. They left for the Historic Helicopters at Chard - Crewkerne, UK, on 20 October.

## Bulgaria

### Karlovo

(18)	Mi-4	instructional, ex Anevo	<b>08110</b>	sep21
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The Mi-4 is used as a training aid at the barracks of the army's 61st Mechanical Brigade and is visible over the fence (N42.64211, E24.78971). The aircraft came from Anevo where it was incorrectly reported as having serial 37.

## Czechia

### Zruč

23	MiG-23UB	20+56, preserved	<b>A1038504</b>	aug21
61+11	Br1150	preserved, ex Baarlo	<b>22</b>	nov20

The former Baarlo MiG-23 arrived on 12 July 2021. The Atlantic is preserved outside at the Krausz Logistic company (N51.13025, E 9.17565). This is the company which used to have ex Baarlo F-104G D-8212/24-63 (now at Usseln).

## France

### Angers – Marcé (49)

(697)	SV-4C	F-BIRV, ex Chavenay	<b>697</b>	sep21
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The Centre de Perfectionnement et de Voltige Aérienne, a flying school which uses only Stampes, has added one to their collection. The other ex military Stampes they use are 19/F-BUAZ, 153/F-BMMG and 1090/F-BNXD.

### Bantheville (55)

(90+39)	FWP149D	OO-MEV, stored	<b>053</b>	sep21
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The Piaggio is stored outside at the private airfield of Bantheville, near the Belgian border (N49.35965, E5.09686). Brousard 108/F-BNEX is still preserved at the entrance.

### Bordeaux – Mérignac (33)

56	Mirage 4P	preserved	<b>56</b>	sep21
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The Conservatoire de l'Air et de l'Espace d'Aquitaine handed the Mirage over to Dassault on 4 June 2021. It is now in white colours and visible from outside at the north side of the Dassault facility.

### Brignoles (83)

1056/DCC	SA330B	instructional	<b>1056</b>	oct21
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The Sécurité Civile training area received a second Puma. They already had 1263/CPN. 1056 used to be at Camp de Satory (Versailles).

### Cannes – Mandelieu (06)

444/DK	CE43	F-GZDK	<b>444</b>	sep21
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The Wassmer left Saint André de l'Eure on 8 June 2019. It now seems to be based at Cannes.



## Château Thierry - Camp Cadet (02)

(1631) B47G-2 F-GFLM, ex ALAT **1631** aug21  
Phyt Helicopters has been renamed Heli Light ULM and uses, besides ULM helicopters, still three Bell 47s of which only one has a military history. SV-4C 71/F-BFZN is still here at the other end of the hangars.

## Châteaudun (28)

464	CM170	preserved, PdFrance c/s	<b>464</b>	sep21
A148/7-HN	Jaguar A	preserved		sep21
A159/7-HL	Jaguar A	preserved		sep21
367/33-TP	Mirage 3RD	preserved, on pole	<b>367</b>	sep21
55/CB	Mirage 4P	preserved	<b>55</b>	sep21
(10)/12-ZD	Mirage F1C	preserved		sep21
49/30-MQ	Mirage F1C	preserved, red tail		sep21
171	N2501RNS	preserved	<b>171</b>	sep21
79/10-RH	Super Mystere 4A	stored	<b>79</b>	sep21
615/92-AK	Vautour 2B	preserved	<b>78</b>	sep21

Now the base has been cleared of stored the above seem to be the only ones remaining. Most are parked in one line near the CANOPEE museum, with the exception of Mirage 3RD (at gate) and the Noratlas and Super Mystere which are both next to the aero club hangar. New with the museum is:

285/43-BO	MH1521M	preserved, ex Bordeaux	<b>341</b>	jul21
602	Mirage F1C	preserved, ex stored		jul21

Not all aircraft have been scrapped. India has bought 40 stored Mirage 2000s. These should include Mirage 2000C 1, 3, 4, 5, 8, 12, 16, 17, 28, 30, 82, 89, 90, 92, 93, 95, 96, 97, 98, 100, 101, 103, 106, 111, 112, 114, 115, 117, 119 and Mirage 2000B 504, 505, 506, 508, 510, 512, 521, 522. All came from Châteaudun, although 504 was last seen preserved at Cazaux. Still three serials are missing.

## Épernay – Plivot (51)

(C.6-154)/TA-943	T-6D	F-AZSC, ex Yvetot	<b>88-15943</b>	aug21
(41-8831)/207	PT-17	N52533, ex Bar sur Seine		sep21

The former Yvetot Harvard is now based here in one of the two green hangars, together with N2S-5 (61727)/961/N1729B. Also in this hangar is a dismantled Harvard. This is here since 2013 and said to be a NA-64 from the USA. The set of wings with this aircraft are marked F-BJBM. However F-BJBM is still flying as F-AZRD, so a wing swop has taken place. Stearman (41-8831)/N52533 is in a hangar in the other row of hangars. There are in total three Stearmans based as N2S-3 43176/N1346M is also still here.

## La Ferté Alais (91)

A-91	C1131E	F-AYKG, Swiss colours	<b>2034</b>	aug21
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This is the former N8TE was rebuilt in the 1990s in the USA as a Bu131 BUCKR JNGM ENS. It is the restored N433WN, which is former Spanish E.3B-433.

(4)	Alouette 2	F-GEJC, stored, ex Marine	<b>1004</b>	aug21
(2127)	Alouette 2	(F-GJEY), stored, ex ALAT	<b>2127</b>	aug21

Both were in the ABC Helicopters hangar. In due time one will be restored using parts from the other.

## Lille – Marcq en Bareuil (59)

L-18C F-HLOG (ex 18-1558/ALAT) was lost in a fatal crash on the airfield on 23 August 2021.

## Limoges (87)

(72)	MS733	restoration	<b>72</b>	sep21
FR113	SO1221S	preserved	<b>FR113</b>	sep21

Both aircraft are at the Les Ailes Limousines workshop in town. MS733 149/F-AZSA has been fully restored and should be flying from Cognac. The society's Broussard, 86/F-GFMN, is flying from the airfield of Limoges – Bellegarde.

## Luxeuil – Saint Sauveur (70)

4933	F-2000B	stored	<b>153</b>	sep21
(4946)	F-2000C	stored	<b>13</b>	sep21

Both are former Brazilian Mirage 2000s bought by the French company Procor and are based here.

## Lyon Corbas (69)

In Scramble 508 there was some text was missing with the Spitfire. This is marked as *ML407/NL-D* and is a full scale replica.

## Pont sur Yonne (89)

(1635)	B47G-2	(F-BOFZ), dumped	<b>1635</b>	sep21
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The Bell is dumped in dismantled state between some containers next to a hangar at the north eastern end. The helicopter overhaul company was closed some three years ago and the Alouette 2s and Bell 47s listed in EMOOS have gone.

## Salon de Provence (13)

E146	Alpha Jet	stored		jun21
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This Patrouille de France Alpha Jet which ran off the runway at Perpignan in 2019 and is now stored in a hangar here.

## Vannes – Meucon (56)

(289)	MH1521M	F-GLMF, stored	<b>345</b>	sep21
(100)	MS733	(F-BMMR), stored	<b>100</b>	sep21
(159)	MS733	F-BNEL, restoration	<b>159</b>	sep21



Not looking very spectacular, but this Bulgarian Mi-4 18 is still an interesting aircraft. It is used as instructional airframe at the barracks at Karlove and came from the nearby range at Anevo. (3 June 2021, Ivan Voukadinov)





Hungarian MiG-21MF 9515 heads a line of two MiG-21MFs and two MiG-21bisAPs in an open storage at Hatvan. (6 September 2021, Erwin Alexander)

WD319 Chipmunk T10 F-AYDC **C1/0256** sep21  
 The first three are in the large hangar on the east side, across the public road. The Chipmunk is next door and used to be OY-ATF (based at Ringsted). MS733 61/F-BKOG is no longer here. Also the stored MS733s at the garage in the nearby village have gone.

Yvetot – Boans le Comte (76)  
 (40-2032) PT-18 F-AZGM **75-589** sep21  
 The Stearman (ex Figeac) now lives here. Also noted was Yak-3UA F-AZLY/5 white (based on LET C11 c/n 172890). The fuselage frame of LET C11 c/n 172527 has gone.

## Germany

Bückerburg – Achum (NI)  
 (91+63) FWP149D instructional, as D-EABW **185** oct21  
 This is a former Bentlage instructional aircraft.

Celle (NI)  
 50+76 C-160D stored **113** aug21  
 The Transall arrived on 25 August 2021.

Eutingen (BW)  
 Sk15A 5052/D-EBUX had some engine problems shortly after its post restoration flight in 2019. It is currently stored at nearby Gaufelden waiting for a restored engine.

Hodenhagen (NI)  
 10+23 A310-304 stored **503** sep21  
 On 3 September the Airbus arrived on its last flight at Hannover. Somewhere in the next few months it will be transported to the Serengeti Park at Hodenhagen where it will be transformed in a restaurant which will be opened in the summer of 2022.

Rotenburg – Wümme (NI)  
 50+66 C-160D stored **103** aug21  
 The Transall arrived on 24 August 2021.

Speyer (RP)  
 (91+91) FWP149D D-EDSF, preserved **276** aug21  
 Not reported before but the aircraft moved from the nearby airfield to the museum.

Wega (HE)  
 61+11 Br1150 preserved, ex Baarlo **22** nov20  
 The Atlantic is preserved outside at the Krausz Logistic company (N51.13025, E 9.17565). This is the company which used to have ex Baarlo F-104G D-8212/24-63 (now at Usseln).

Wunstorf (NI)  
 43+13 Tornado IDS instructional **GS002/4013** sep21  
 44+11 Tornado IDS instructional **GS075/4111** sep21  
 Both are reported as instructional with the Ausbildungswerkstatt.

## Greece

Megara  
 ES610 UH-1H preserved **10348** sep21  
 The Huey is preserved near the main gate where also U-17A

ES321 and U-17A ES373 (as ES722) still are.

## Hungary

### Balatonfüzfő

1844	MiG-21bis	stored, ex Pápa	<b>75061844</b>	aug21
1889	MiG-21bis	stored, ex Pápa	<b>75061889</b>	aug21
2098	MiG-21bis	stored, ex Pápa	<b>75062098</b>	aug21
2105	MiG-21bis	stored, ex Pápa	<b>75062105</b>	aug21
02	Su-22M-4	stored, ex Pápa	<b>52102</b>	aug21
10	Su-22M-4	stored, ex Pápa	<b>51610</b>	aug21
15	Su-22M-4	stored, ex Pápa	<b>51815</b>	aug21

The location of the stored aircraft has been found. They are at N47.0836, E18.03128. The other aircraft here, which we mentioned in Scramble 501/502, are MiG-21bis 1867 and Su-22M-3 04 and 14. MiG-21bis 1968 and 6253 have moved on and are now at Szabadbattyán. Su-22M-4 10 is intended for Kecel, but will be restored at Kiskőrös before.

### Budapest

10031 Mi-2 preserved **5110031116** aug21  
 It is not 10029 which is in the local park at N47.47294, E19.08469, as we mentioned in Scramble 508, but 10031. 10029 is at some barracks at N47.49841, E19.11157.

### Kecel

8204 MiG-21MF stored, ex Szeged **968204** aug21  
 The MiG-21 is at a private restorer at N46.55232, E19.23996. Also here is MiG-15bis 818 which will move to Kiskőrös soon.

### Szabadbattyán

42	MiG-21bis	stored, ex Szeged	<b>75077729</b>	aug21
53	MiG-21UM	stored, ex Pápa	<b>516999204</b>	aug21
54	MiG-21UM	stored, ex Pápa	<b>516966299</b>	aug21
906	MiG-21UM	stored, ex Budaörs	<b>516999506</b>	aug21
1968	MiG-21bis	stored, ex Balatonfüzfő	<b>75061968</b>	aug21
5540	MiG-21bis	stored, ex Pápa	75035540	aug21
6253	MiG-21bis	stored, ex Balatonfüzfő	<b>75046253</b>	aug21
6327	MiG-21bis	stored, ex Pápa	<b>75046327</b>	aug21
8201	MiG-21MF	stored, ex Pápa	<b>968201</b>	aug21
9178	MiG-21bis	stored, ex Pápa	<b>75049178</b>	aug21
9315	MiG-21MF	stored, ex Pápa	<b>969315</b>	aug21

All are in a yard at N47.12613, E18.38401.

### Szolnok

712	Mi-24V	preserved	<b>220712</b>	aug21
11	Yak-52	preserved	<b>9411807</b>	aug21

Both are near the control tower.

## Italy

### Novara (NO)

MM54244/37-32 MB326E preserved, ex Padova **6330** sep21  
 The MB326 is now preserved with the Museo Storico Aldo Rossini on Viale delle Rimembranze (N45.44044, E8.63312).

### Venaria Reale (TO)

MM80708/EI-337	AB205A-1	stored, in covers	<b>4240</b>	sep21
MM80713/EI-342	AB205A-1	stored, in covers	<b>4278</b>	sep21

The preserved aircraft, AB205A MM80451/EI-261 and AB206C-1 MM80589/EI-528 were also seen.

## Malta

Luqa  
MM81145 AB212AM preserved **5805** oct21  
44-79587/BD L-4H 9H-CUB, ex G-LFOR **11883** sep21

The Malta Aviation Museum's airworthy Piper Cub was believed to be the 44-79580 (c/n 11876). However it is said that this was an error in the register made 1950s when the aircraft became F-BBIN. The Piper carries its correct identity. The expected Italian AB212 arrived at the museum on a trailer on 13 October.

Paolo  
AS0124 Bulldog T1 instructional, ex Luqa **240** nov20

The Bulldog was transferred to the Institute of Engineering and Transport department of the Malta College of Arts, Science and Technology (MCAST). This should be at the main campus at Triq Kordin.

## Poland

### Gierłoż (WMZ)

637 Lim-6R preserved **1J-0637** aug21  
97 TS-11 801, preserved **1H-0801** aug21

A new museum, named Muzeum Dywizjonu 303, is being set up in a field at N54.08135, E21.46787. The two aircraft used to be parked at the miniature park three kilometres to the east along the same road. The new museum also has An-2T SP-KTK and replicas of a Hurricane and Mustang.

Kraków – Rakowice (MLP)  
717 Mi-24V stored, ex Szolnok **220717** sep21

Last year Polish Mi-24s 739 and 741 were noted in the museum. They were not seen in October 2021, instead a former Hungarian aircraft is now here. The two Polish aircraft are now at Inowroclaw.

Mielec (PKR)  
1214 TS-11 SP-YBC, ex Lublin **3H-1214** aug21  
1402 TS-11 SP-YTH, ex Góraszka **3H-1402** aug21

Both Iskras are flown by Fundacja Biało-Czerwone Skrzydła (white-red wings foundation) from the aero club side of the airfield (N50.32584, E21.44984).

Modlin (MAZ)  
006 SBLim-2 SP-YNZ, ex Góraszka **1A-06006** sep21  
602 Lim-2 SP-MIG, ex Góraszka **1B-00602** sep21

Both are flying from this airfield.

## Spain

Boadilla del Monte  
C.14-14/14-08 Mirage F1M preserved, grey c/s sep21

On 24 September a monument was unveiled at a roundabout in this town some 20 kilometers west of Madrid (N40.40889, W3.90576). It used to be an instructional airframe at León.

Colmenar Viejo  
HT.17-02/ET-402 CH-4D stored oct21



In 2020 two Polish Mi-24Vs were reported as stored at the Muzeum Lotnictwa Polskiego at Kraków Rakowice. By mid-2021 these two were seen at Inowroclaw and in the museum they are now replaced by Hungarian Mi-24V 717. A month earlier this aircraft was still stored at Szolnok. (14 September 2021, Erik Sleutelberg)

HT.17-03/ET-403	CH-4D	stored	oct21
HT.17-04/ET-404	CH-4D	stored	oct21
HT.17-06/ET-406	CH-4D	stored	oct21
HT.17-07/ET-407	CH-4D	stored	oct21
HT.17-08/ET-408	CH-4D	stored	oct21
HT.17-09/ET-409	CH-4D	stored	oct21
HT.17-12/ET-412	CH-4D	stored	oct21
HT.17-14/ET-414	CH-4D	stored	oct21
HT.17-15/ET-415	CH-4D	stored	oct21
HT.17-16/ET-416	CH-4D	stored	oct21
HT.17-18/ET-418	CH-4D	stored	oct21

All are stored rotor-less outside on the base in one line, with the exception of HT.17-02 which was further around the back. Stored opposite of the line of Chinooks were:

HA.15-33/ET-302	Bo105ATH	stored	<b>S.463</b> oct21
HU.10-24/ET-261	UH1-H	stored	<b>12434</b> oct21
HU.10-41/ET-264	UH1-H	stored	<b>13292</b> oct21
HU.10-46/ET-220	UH1-H	stored	<b>13533</b> oct21
HU.10-60/ET-230	UH1-H	stored, white c/s	<b>13591</b> oct21
HU.10-75/ET-245	UH1-H	stored	<b>13937</b> oct21

Gelves  
T.12B-39/74-75 C212-100 instructional **75** jul20  
M&D Aerspacial is a technical school who has a CASA (ex Cuatro Vientos, N37.31825, W6.03074).

León  
C.14-20/14-13 Mirage F1M preserved oct21  
The Mirage has joined the other aircraft outside the main gate.

E.25-29/74-45	C101EB	instructional	<b>029</b> oct21
E.25-50/79-33	C101EB	instructional	<b>051</b> oct21

Both were noted parked on the ramp.

León - Valverde de la Virgen  
U.9-50/40-14 C127 preserved, ex airfield **50** jun21

The CASA is preserved at the sports complex of the Real Aero-club de León near the airfield (N42.58182, W5.63650). It had arrived by September 2019.

E.16-70/793-41 T-6H preserved, ex airfield **168-439** oct21  
The Harvard is pole mounted since October in the village (N42.58218, W5.64156).

San Fernando  
HE.7B-31/001-14 B47G-5 preserved **7884** oct21

The marine museum has moved their Bell inside the museum and gave it a new code (was 01-114).

## Switzerland

Root  
J-1723 Venom FB54 stored **893** aug21

The Venom is, together with a Venom FB50 of which only J-15 could be read, stored under tarpaulin at the Stecher Natus-tein company near the railway station (N47.12025, E8.39336).

Teufen  
(5029) Sk15A HB-UBK, pres, ex Lommis **1918** aug21  
(E.3B-551) C1131E HB-UVH, pres, ex Speck **2152** aug21





Spanish T-6G E.16-70/793-41 has served for more than 30 years as instructional airframe at León Air Base. In September 2021 the Harvard was pole mounted in splendid condition at the village of Valverde de la Virgen, which is near the main gate of the air base. (24 October 2021, Hans van der Vlist)

(A-3)	Bu131APM	HB-UUY, pres, ex Altenrhein	<b>10</b>	aug21
(A-4)	Bu131APM	HB-UUW, preserved	<b>11</b>	aug21
A-22	Bu131APM	HB-UUM, preserved, ex Speck	<b>31</b>	aug21
(A-30)	Bu131APM	HB-UUN, preserved	<b>41</b>	aug21
A-32	Bu131B	HB-UVZ, preserved	<b>43</b>	aug21
(A-56)	Bu131APM	HB-UVE, preserved	<b>69</b>	aug21
(A-60)	Bu131B	HB-UUR, pres, ex Langenthal	<b>73</b>	aug21
A-256	Sk25	25093, HB-USA, preserved	<b>25093</b>	aug21
U-60	Bu133C	preserved	<b>7</b>	aug21
U-62	Bu133C	HB-MKZ, preserved	<b>9</b>	aug21
(U-76)	Bu133C	HB-MKN, preserved	<b>23</b>	aug21
U-288	Dewoitine D26	HB-RAE, pres, ex Luzern	<b>320</b>	aug21

The new Bucker museum was opened on 3 July. The museum is still a private one, so visits must be pre-arranged via the museum website. A few of the above were noted from outside, the rest from internet photos.

## Ukraine

Odessa  
05 blue An-26 instructional **0808** sep21  
The Antonov is a new arrival at the Military Academy. An-2 10 white, Mi-8T 27 white and 57 white are also still present

## United Kingdom

### Elgin, Scotland

Buccaneer S2B XW530, a long-term attraction at the Buccaneer garage, has been sold and will be going to the Scottish Deer Centre at Cupar.

### Fishburn, Durham

XN458/19 Jet Provost T3 preserved **PAC/W/10137** sep21  
A Jet Provost arrived here for the Aircraft Restoration Group on 7 September 2021 after spending over 16 years in the garden of The Standard public house in Northallerton.

### Hemswell, Lincolnshire

XP629/P Jet Provost T4 stored **PAC/W/16901** sep21  
A Jet Provost arrived at Hemswell Antique Centres in early September from a private owner elsewhere in the county. It will eventually be assembled and placed on display outside the Antiques & Retro Antiques outlet.

### Long Kesh, Northern Island

ZG771 Tornado GR4 preserved **BT056/3440** sep21  
The Ulster Aviation Collection took delivery of the Tornado

from storage at Boscombe Down at the end of September.

### Moreton-in-Marsh, Gloucestershire

(XZ207) Lynx AH7 cabin **115** aug21  
(QP30)/TAD013 Lynx Mk28 ex Qatar **028** aug21

The Defence Fire Training Unit enclave took delivery of two Lynx from MOD Lyneham on 24 August 2021.

### North Weald, Essex

XZ678 Lynx AH7 preserved **244** oct21

A Lynx was trucked in from Sproughton on 13 October 2021, joining XZ179/(G-NCKS) in Hangar 4 with North Weald Heritage Aviation.

### Old Sarum, Wiltshire

(XS230) Jet Provost T5 (G-VIVM) **PAC/W/23907** oct21

The Boscombe Down Aviation Collection took delivery of a Jet Provost from North Weald on 7 October 2021.

### Spanhoe, Northamptonshire

Chipmunk T10 WZ872/E/G-BZGB was flown in from Blackpool on 29 September 2021 to take up residence.

### St Athan, Wales

WF784 Meteor T7 preserved sep21

The South Wales Aviation Museum took delivery of a Meteor from Gloucestershire Airport on 2 September 2021.

### Sunderland

ZE204/FC Tornado F3 preserved **AS024/3255** sep21

The Tornado was officially handed over to the North East Land, Sea and Air Museums (NELSAM) in September. It had arrived on 28 June 2021 from Manston, via a short time at Boscombe Down.

### RAF Syerston, Nottinghamshire

ZA267/FA Tornado F2 (9284M), instructional **A02** sep21

ZA357/TTV Tornado GR1 instructional **BT010/3018** sep21

ZF202 Tucano T1 preserved **T27** sep21

All three aircraft of non-glider interest were confirmed in September. The Tucano is preserved at the gate, with the two Tornados in training use out on the airfield.

**Credits:** Patrick Dirksen, Laurent Heyligen, Chris Horst, Ronny Jansen, John Newton, Paco Rivas, Robbie Robertson, Ton van Soest, Leonard van Teffelen, Martin Uleman, Ivan Voukadinov.





On Friday 24 September Spanish Mirage F1M C.14-14/14-08 was unveiled as a monument in the town of Boadilla del Monte, a mere 20 kilometres west of Madrid. (19 September 2021, Paco Rivas)



A new collection named Muzeum Dywizjonu 303 is established in a field near Gierłoż, just east of Ketrzyn. One of the aircraft in the collection is TS-11 801, marked as 97. ( 19 August 2021, Martin Uleman)



Although this Polish MiG-21MF 6506 has been at Barrax, Spain, for over twenty years, it is not often seen as it is with a private collector in a spottersproof building. (22 October 2021, Hans van der Vlist)





Spanish CASA 1131E F-AYKG is a new arrival at La Ferté-Alais. It carries fake Swiss markings, but is really E.3B-433 (ex N8TE and N433WN). Its identity is confirmed by its construction number 2034 on the construction plate. (28 August 2021, Otger van der Kooij)



Ukraine Mi-8T 27 white is one of the four aircraft present on the grounds of the Military Academy in Odessa. (20 September 2021, Jurgen van Toor)



During one weekend a year in September nearly all French museums open their gates for free for the general public. This is a good opportunity to check the Conservatoire de l'Air et de l'Espace d'Aquitaine (CAEA) collection at Bordeaux- Mérignac. MS760 Paris 73/330-DF was one of the many aircraft parked outside. (18 September 2021, Chris Horts)





Dutch navy SH-14D 274 is used by the fire fighting department at De Kooij. It is not often that this aircraft can be seen outside, it is normally locked away in a shed. (2 September 2021, Martin Uleman)



A sharp contrast to the based F-35s is this Hunter F6A G-KAXF. The former XF515, painted as Dutch N-294, has Leeuwarden as its (summer) home base. (13 August 2021, Ad Jan Altevogt)



Dutch F-84F P-224 is one of the two F-84s still at the army base at Reek. (26 August 2021, Carlos Geurts)





RF-84F MM54-7471 (marked as 3468/3-468) is still preserved Villa Belcamin at Bussolengo, Italy. (2 September 2021, Hilco Schigt)



The Ailes Anciennes de Haute Savoie from Excenevex, France, is in the process of restoring Mystère 4A 33. (2 October 2021, Leonard van Teeffelen)



T-33A 35155 (marked as 19876/TR-876) at the Officers Club of a military beach resort at Kounoupidiana, Crete, Greece. The aircraft has been painted to commemorate the loss of the aircraft and her crew while flying for 367SEE from Souda on 29 May 1979. Killing Pilot Lt. Colonel Athanasios Bouroulias and Warrant Officer Antonios Sifakis. (September 2021, Andre Wilderdijk)



# Dustpan & Brush



Mark Rourke was present at Sangley Point, on 11 June 2019, where he captured AW109E 435 of the Philippine Navy's MH-40 squadron. Sadly it was written off on 26 September 2021, when it rolled over during a landing in stormy weather, at Cagayan North International Airport

## Additions & Corrections:

08jun21 745 Mi-17V-5 840M37 w/o  
See Scramble 506.

## New Accidents:

17sep21 N444ZW CRJ200LR 7788 dam

United Express flight 3937 was being pushed back from the gate at Asheville Regional Airport (NC), when it was struck by a fuel truck. The FAA reported that the aircraft sustained substantial damage.

23sep21 RF-19590 Ka-27PS 5235004686602 w/o

A Kamov Ka-27 disappeared at about 20:30 hours Moscow time in the mountainous area in the Russian Far East. According to preliminary information, the Ka-27PS was operated by the Russian Federalnaja Sloezjba Bezopasnosti (Federal Security Service) Border Guard Service, at the 7060th Naval Aviation Air Base in Petropavlovsk-Kamchatskiy/Yelizovo. At the time of the accident it was performing a training flight with three people onboard. One day later, the wreckage of the helicopter was located by a Mi-171, operated by the Emergency Aviation Service (EAS), at an altitude of 950 metres on the slope of Mount Ostraya, five kilometres from the village of Sosnovka in the Elizovsky municipal district of Kamchatka Territory. The EAS informed the TASS press agency that the crew did not survive. The ground rescue teams had difficulty accessing the scene of the crash as the terrain is very steep.

24sep21 N85RR Beech 95-B55 TC-1365 dam

A private Beech Baron sustained substantial damage subsequent to impact with cornfield terrain adjacent to Fairfield County Airport (OH). The two related occupants onboard the airplane received unspecified injuries.

25sep21 OO-FFB Ce208B 208B0834 dam

The Cessna 208B Super Cargomaster of Paracentrum Vlaanderen suffered an accident on landing at Moorsele Airfield, Belgium. The aircraft had just completed the final drop of the day and landed back at Moorsele Airfield. It came to rest close to the runway. Eyewitnesses reported that the aircraft landed short of the runway. Photos from the scene seem to indicate that the right-hand main gear had collapsed.

25sep21 HK-3353 Bell 206L-3 51177 dam

None of the three occupants of the SADI Colombia (Servicios Aéreos de Ibagué) LongRanger III were injured, after it had to make an emergency landing near Fonquetá, Chía. It was en route between Puerto Berrío, Antioquia and Guaymaral Airport.

26sep21 435 AW109E 11818 w/o

A Philippine Navy AgustaWestland AW109E Power rolled over while attempting to land, and was destroyed after being swept by strong gusts of wind at Cagayan North International Airport, Philippines. All four persons onboard sustained minor injuries.

27sep21 RA-1558G SA341F dam

The sole person onboard the private Russian Gazelle was uninjured after the chopper rolled over during landing. It had flown around the Vilyuchinsky, Zhupanovsky, Karymsky volcanoes and landed on a pre-selected section 23 kilometres from the Elizovo-Paratunka highway in the Elizovsky municipal district of the Kamchatka Territory in a swampy area. When the engines were turned off, the helicopter began to sink into the ground with the right ski. The pilot added engine power, but the aircraft rolled over on its right side regardless.

27sep21 PK-SNP Ce208B EX 208B5495 dam

Both occupants of the Smart Aviation Cessna Grand Caravan EX were uninjured after their bizprop suffered a runway excursion and ran into a ditch after landing at Yuvai Semarang Airport, Long Bawan, Krayan. The airplane was transporting diesel fuel. The nose landing gear folded and the propeller was damaged.

28sep21 PR-BVB IAI1124A 390 dam

An IAI 1124A Westwind II of Brasil Vida Taxi Aereo, sustained substantial damage following an aborted take-off at Goiânia-Santa Genoveva Airport, Brazil. There were no injuries among the unknown number of occupants.

29sep21 PT-LMU Beech B58 TH-1320 dam

The pilot of a Corpo de Bombeiros Militares de Rondonia Beech Baron, which was being sent for maintenance in Cuiabá, made an emergency landing on a farm in Vilhena, 700 kilometres from Porto Velho. During the emergency landing



one of the wheels separated, and the Beech received quite some damage. The two occupants were uninjured.

29sep21 J8-VBI BN-2B-26 2026 dam  
SVG Air flight SVD207, originating in Antigua, veered off runway 28 after landing at John A. Osborne Airport, Montserrat. The Britten-Norman Islander deviated to the left and came to rest against an embankment. All seven occupants were rescued, among them two were injured. The aircraft was severely damaged.

30sep21 Ce402B dam  
 An unmarked Cessna 402B aircraft was forced down by Super Tucanos from the Dominica Republic Air Force, in the vicinity of Oviedo and Pedernales. The aircraft was conducting narcotics trafficking and carried 275 bricks of drugs. The authorities are still looking for the pilots.

30sep21 B-7103 AS365N2 6041 w/o  
 During a marine pilot transfer flight an Aérospatiale Dauphin 2 of CITIC Ocean Helicopter Corp made an emergency landing, near the Port of Lianyungang, Jiangsu. One occupant died and three were rescued.

01oct21 CP-2562 Bell 212HP 31225 dam  
 A Helibol Bell 212 hit an obstacle when it tried to take off at a sports field in Cochabamba. All three occupants were uninjured but the helicopter sustained substantial damage to the horizontal stabiliser.

02oct21 w/o  
 An Abu Dhabi Police helicopter (type still unknown) crashed in Abu Dhabi, killing the four people onboard. No details on the location or cause of the crash have been revealed yet.

02oct21 N922NK A320-271 9341 dam  
Spirit Airlines flight NK3044, from Atlantic City (NJ) to Fort Lauderdale (FL), with 105 passengers and seven crew, was accelerating for take-off from Atlantic City's runway 31 when the crew rejected the take-off, advising they had a bird strike and were stopping on the runway. The Airbus NEO slowed down safely and stopped on the runway when the tower queried whether the aircraft needed any assistance, to which the crew replied "roll the trucks please". A short while later tower advised there appeared to be fire underneath the engine. The crew acknowledged, the fire bell was audible in the background of that transmission, and about a minute later advised they were evacuating the aircraft. In the ensuing emergency evacuation three passengers and one crew travelling as passenger received minor injuries as result of the evacuation. A few days later it emerged that an entire fan blade had fractured at its root and separated. Sadly in this day and age, everything was filmed on several smartphones inside the cabin, including the engine being on fire. The safety instructions clearly state to leave all personal belongings behind in the event of an evacuation, but people were seen taking out their suitcases and carry-ons from the overhead bins, delaying people getting off the slides. And obviously filming an evacuation from both in- and outside the cabin does not help the evacuation at all. We fear that this is the 'new normal', where a small group of people is more concerned with social media and their laptops, than actually getting out of the aircraft as soon as possible...

Here are a few YouTube videos that highlight that point:

[https://www.youtube.com/watch?v=61dwDQda\\_NY](https://www.youtube.com/watch?v=61dwDQda_NY)

<https://www.youtube.com/watch?v=Is3xPah6bMg>

03oct21 YR-PDV PC-12/47E 1532 w/o  
 Almost twenty years to the date (8 October 2001) Milano-Linate Airport had to deal with an aircraft crash. Unlike the SAS MD-80 that came down during foggy conditions, and hit a taxiing Cessna Citation, killing everybody onboard both aircraft, this time it involved an Aviroms Rent A Car PC-12, with eight occupants. It left runway 36 at 13:04 hours, bound for Olbia. During the initial climb, the pilot completed two

successive turns to the right then continued to the south. At an altitude of 5,300 feet, the aircraft entered an uncontrolled descent and crashed on an industrial building under renovation, located about 1,8 kilometres southwest of the runway 36 threshold. The aircraft was totally destroyed by impact forces and a post-crash fire, and all eight occupants were killed, among them the Romania businessman Dan Petrescu. The building suffered severe damages as well as few vehicles in the street. There were no injuries on the ground.

03oct21 TBM700/850? w/o  
 A destroyed single engine aircraft was found on an illegal landing strip in Machiques de Perijá, Zulia. It probably had been used for transporting drugs.

04oct21 C-FZVM K-1200 A94-0053 w/o  
 During logging operations a Kaman K-1200 K-Max of Black Tusk Helicopter crashed east of Powell River, in Killam Bay, at the entrance to Jervis Inlet, north of Egmont (BC), around forty kilometres north of Sechart. The pilot was killed and the helicopter destroyed. Transport Canada is working on a recovery for the helicopter, but that may take some time, as the water in the area is believed to be more than 500 feet deep.

04oct21 N55JX Beech 95-B55 TC-1243 w/o  
 A Beech Baron of DLS Holdings crashed under unknown circumstances in Vallecillo, Mexico, and was destroyed by fire. Both occupants sustained minor injuries.

04oct21 F/A-18F w/o  
 A US Navy F/A-18F Super Hornet of Air Test and Evaluation Squadron (VX) 9 Vampires, crashed in Death Valley National Park (CA). At approximately 15:00 hours local time the Super Hornet crashed in a remote area, in the southern part of the park. Search and rescue teams from Naval Air Weapons Station (NAWS) China Lake, Fort Irwin Army Base and Marine Corps Air Station Yuma responded to rescue the downed pilot, who was taken to a hospital in Las Vegas (NV). The pilot sustained no serious injuries and was released later that evening.

05oct21 N283SA Falcon 20C 83 w/o  
Sierra West Airlines flight PKW887, operated by this Dassault Falcon 20C, crashed when it impacted trees and terrain while on approach to Thomson-McDuffie County Airport (GA). On short final, the aircraft impacted trees and crashed in a pasture, less than 2 km short of runway 10 threshold. The aircraft was destroyed upon impact and both pilots were killed. There was no fire. This has the makings of a CFIT accident, or Controlled Flight Into Terrain.

05oct21 helo w/o  
 A military helicopter of the Al Quwwat al-Jawwiya At-Tunisia (Tunisian Air Force in English) crashed in Gabès, Tunisia under unknown circumstances. There were three fatalities.

06oct21 N373SP Bell 206B-3 2885 dam  
 Operated by the Louisiana State Police (but belonging to the Louisiana Department Of Public Safety) the Bell JetRanger III sustained substantial damage subsequent to the autorotation and hard landing, following a loss of tail rotor effectiveness, 200 yards from Louisiana Regional Airport (LA). The sole State Trooper/pilot onboard the helicopter received minor injuries.

08oct21 Lj35A 35A-494 w/o  
 A half burnt Learjet was found by law enforcement officers near Little Belize, Belize. It likely had been used for transporting drugs. No drugs were found in the wreckage. The drugs had likely already been unloaded. The aircraft in question was previously registered PT-LDM before it was sold in May 2021.



The Fuerza Aérea Boliviana lost Cessna Stationair FAB-320 after it crashed under unknown circumstances, on 9 October 2021. Wim Sonneveld was lucky to see the 206 on 12 October 2013, basking in sunshine, at El Trompillo.

09oct21 FAB-320 CeJ206G w/o

A Fuerza Aérea Boliviana Cessna Stationair of GAT62 /Esc. Aereo 620, crashed under unknown circumstances near Agua Dulce, Pando, killing all six persons onboard. It had left Riberalta-Capitán Av. Selin Zeitun Lopez Airport for a flight to Cobija-E. Beltram Airport.

10oct21 RF-94591 L-410UVP-E3 **871826** w/o

A DOSAAF Let 410 crashed near Menzelinsk, Russia, killing sixteen occupants. There were twenty skydivers and two pilots onboard, meaning six occupants survived, with various degrees of injuries. Shortly after take-off from runway 20 at Menzelinsk Airport, the pilot reported the failure of the no.1 (left) engine, stating his intention to turn back to Menzelinsk. The aircraft was observed flying downwind until it descended and impacted the ground. It crashed onto a concrete wall segment and a pile of logs.

10oct21 C-FFYM TBM910 **1190** w/o

A TBM700N (or TBM910) of 1364254 Alberta crashed and flipped over when landing at Westlock Regional Airport (AB). One occupant was airlifted to hospital in critical condition and the other three occupants were transported by ground ambulance to hospital in stable condition.

11oct21 N7022G Ce340A **340A0695** w/o

A Samarth Aviation Cessna 340A was destroyed by fire and impact with a UPS delivery car and residential structures, north-northeast of Gillespie Field Airport, San Diego (CA). The pilot sustained fatal injuries while the number of occupants was not immediately clear. The UPS delivery driver was fatally injured and two people on the ground sustained serious burn injuries.

Transcript from LiveATC.net:

SoCal TRACON: 22G turn right heading 250 join final

N7022G: 250 join final for 22G

N7022G: and, uh, 22G did you say cleared for the ILS 28R?

SoCal TRACON: 22G you're 4 miles from PENYY descend and maintain 2,800 until established on the localizer cleared ILS runway 28R circle to land runway 23.

N7022G: uh, cleared for the ILS 28R, uh, uh, for runway 23 22G

SoCal TRACON: yes sir, descend maintain 2,800 until established on the localizer

N7022G: 2,800 until established on the localizer, 22G

SoCal TRACON: 22G, traffic 2 o'clock 3 miles southbound 5,000 descending 4,000's a C-130 they are restricted above you, caution wake turbulence

N7022G: Copy 22G

SoCal TRACON: 22G it looks like you're drifting right of course, are you correcting?

N7022G: Correcting for 22G

N7022G: is 22G cleared for runway 23?

SoCal TRACON: 22G you're not even tracking the localizer, I need you to fly - actually cancel approach clearance climb and maintain 3,000, 22G maintain 3,000 low altitude alert minimum vectoring altitude in your area is 2,800

N7022G: Climbing 22G

SoCal TRACON: 22G climb and maintain 3,800

N7022G: 3,800 two-

SoCal TRACON: 22G turn right 090 re-vectors to final

N7022G: 090 22G

SoCal TRACON: 22G turn right heading 090 climb immediately maintain 4,000

N7022G: (thousand) climb immediately, 22G

SoCal TRACON: 'Kay, it looks like you're descending sir. I need to make sure you are climbing, not descending.

N7022G: 'Golf is climbing

SoCal TRACON: 22G say altitude

N7022G: \*\*\*five hundred 22G [final transmission from aircraft]

SoCal TRACON: 22G low altitude alert climb immediately, climb the airplane, maintain 5,000, expedite climb, climb the airplane please

SoCal TRACON: 22G just level out the plane, er, the heading and climb the airplane up to 5,000 when you can sir.

SoCal TRACON: Traffic alert, 22G, 10 o'clock and a half mile, 1,500, you appear to be descending again sir, are you, say your altitude

SoCal TRACON: Twin Cessna 7022G, SoCal approach.

Sadly, the pilot never responded...

11oct21 N6748V Beech 58TC **TK-120** dam

The Beech Baron of Cannon Oil And Gas Well Services sustained substantial damage after impacting mountainous terrain in the Castle Peak area near Jerry Creek Reservoirs, Mesa County, north of the point of departure at Blake Field Airport (CO). The sole pilot onboard the twin engine airplane received fatal injuries.

11oct21 D-GLMP PA-34-220T **34499348** w/o

Both occupants were killed and the private Piper Seneca V was destroyed, after it crashed in foggy weather conditions near the fortress ruins of Löwenburg, Königswinter, North Rhine Westphalia.



14oct21 MH-60R w/o  
An MH-60R Seahawk of the Royal Australian Navy ditched in the Philippine Sea during a routine flight. There were three crew members onboard who were rescued approximately twenty minutes later with minor injuries. The aircraft was based on HMAS Brisbane, a Hobart-class air warfare destroyer operated by the RAN.

14oct21 N857PF An-2T **1G108-57** w/o  
A video obtained from KCRA shows the private Antonov 2 taking off, the airplane seemed to struggle during the climb and eventually the left wing dipped, which was followed by the airplane stalling. It subsequently impacted trees and terrain, near the Alta Mesa Airpark, in Wilton, Sacramento County (CA). The four people onboard were critically injured.

15oct21 G-WIZZ Bell 206B-II **8540** dam  
Following a loss of engine power, a private Agusta-Bell JetRanger II sustained substantial damage in a forced landing on the Fitties Beach, Humberston, near Cleethorpes, Lincolnshire. The three people onboard were uninjured. A Maritime and Coastguard Agency spokesperson said: "At just after 2.30pm a Humber Coastguard received a report that a light aircraft with three people onboard was forced to make an emergency landing at Cleethorpes Beach, near Grimsby in North East Lincolnshire. All three people onboard the aircraft have been reported safe and well, and arrangements are being made to recover the aircraft. Cleethorpes Coastguard Rescue Team and Humberside Fire and Rescue Service are present at the scene." The main visible damage to the helicopter was a broken tail boom.

15oct21 0315 F-7NM dam  
A Namibiese Lugmag (NDF, Namibia Defence Force) Chengdu F-7NM has been badly damaged in a runway excursion at Ondangwa's Andimba Toivo Ya Toivo Airport. The Chief of the Namibia Defence Force told Informante Newspaper that the aircraft had landed normally but its brake parachute failed to deploy, causing it to overshoot the runway. As Ondangwa is now a commercial airport, it does not have arresting systems, he said. Photos and videos show the aircraft upside down at the end of the runway, and badly damaged. It is most likely a write-off. The pilot is apparently uninjured but was taken to

hospital for evaluation. Air Marshal Pinehas said an investigation into the incident will be conducted by the Air Force.

17oct21 03/F-TGCH EA330LC **1282** dam  
The Extra EA330LC of the Armée de l'Air et de l'Espace carried out a forced landing in a field, after an apparent engine power loss. Both occupants were uninjured.

18oct21 N996LM Beech 200 **BB-157** dam  
Under unknown circumstances this Beech Super King Air of Lowcountry Aviation Co Brokerage received a lot of damage at Mount Pleasant Regional Airport (SC). No further information is available.

19oct21 N987AK MD-87 **49404** w/o  
The three crew members and eighteen passengers were very lucky to walk away without any serious injuries, after the privately owned McDonnell Douglas MD-87 burst into flames during a failed attempt to take-off from Houston Executive Airport's runway 36 (TX). The aircraft went through a fence and took down power lines before it came to a stop about 500 metres past the end of the runway, in a field in the south-east corner of Waller County, which is not too far from the airport. The former Finnair (OH-LMB), AeroMéxico (N204AM) and since April 2007 mainly operating in the private sector MD (still as N204AM, until 28 August 2015, when it became N987AK) is registered under the name of J. Alan Kent, who is the corporate owner of Flair Builders, a Houston-based custom homebuilder. Flair Builders confirmed the incident with Kent on board at the time. Two sources additionally confirm that the aircraft was headed to Boston for a trip to the AL Championship Series games. Meanwhile, utility company CenterPoint Energy said an outage impacting more than 1,800 customers near the scene of the crash was caused by the plane taking out an overhead powerline during take-off. Since the outage, power was restored to all but seventeen customers.

19oct21 XB-RQE Ce401 **401-0268** w/o  
The sole pilot of the Servicios Murbarqui owned Cessna 401 was killed after it crashed shortly after take-off from Tapachula International Airport's runway 05, Chiapas. It was bound for San Luis de Ocosingo Airport, Chiapas, for the release of Mediterranean flies.



We already published the above F-7NM (exact type is hard to miss...) but back then it was still operational. On 15 October 2021, serial 0315 was badly damaged after it overran the runway at Ondangwa's Andimba Toivo Ya Toivo Airport, ending up upside down. (Windhoek, 1 August 2015, Charles Hugo)

19oct21 XB-ETV Sabre 60 **306-96** dam

A Rockwell Sabreliner 60 suffered a runway excursion following a forced landing at Jacmel Airport, Haiti. At least one of the undercarriage legs separated in the accident. Both pilots were unhurt. The aircraft was en route from Mexico to Cuba.

19oct21 RA-33350 An-2R **1G226-09** dam

During the approach the engine of the AeroUral An-2 failed. The pilot made a forced landing 400 metres from the runway. The crew was not injured. The aircraft sustained damage to the undercarriage and wings.

20oct21 VH-KWP PA-61P **61P-0765-8063380** dam

At least three aircraft were damaged by a hailstorm at Mackay Airport(Qld.). Winds up to 120 kilometres per hour were measured, accompanied by heavy hail showers. The Ted Smith of RCS Aviation was damaged by the J-6 Karatoo, which flipped over and came to rest on the fuselage. The involved aircraft were: VH-OKF Skyfox CA25N, VH-KWP TS-601P and 28-3414 Australian Aviation Works J-6 Karatoo.

21oct21 EI-DWI B737-8AS **33643** dam

A Ryanair Boeing 737 sustained damage to the fuselage after being struck by tug, while it was under tow on the taxiway at Stansted Airport, where the TBL (The Blue Handling, Ryanair's ground handling provider) tug jack-knifed.

21oct21 Mirage 2000 w/o

A Mirage 2000 of the Indian Air Force crashed near Madhya Pradesh's district city of Bhind. The pilot ejected safely. Visuals show the debris scattered on an empty field in Mankabad, some six kilometres from Bhind. A team of policemen formed a cordon around the crash site, where the smouldering tail section of the trainer jet was seen half buried in the field.

22oct21 N754KP Ce208B **208B1264** dam

Alaska Seaplanes flight 501, from Juneau International Airport to Skagway Municipal Airport, crashed on take-off from Juneau. The Grand Caravan sustained significant damage but the occupants were not injured. First reports indicate that the aircraft struggled to gain altitude on take-off and came down again on the side of the runway.

22oct21 J-10S dam

Fishermen sitting on the Jialu River, Henan province, did not bat an eyelid after a PLAAF (People's Liberation Army Air Force, or the Chinese Air Force) J-10S crashed in the river. They barely paid attention to the pilots, who had ejected and landed with their parachute in the river. It seemed it was a non-event to them, how bizarre! Anyway, the Chengdu came down near Zhengzhou, where the 56th Brigade is based, operating the J1-B and J-10S.

23oct21 LV-CVE Bo105CBS-4 **S-556** dam

An EMS Bolkow sustained substantial damage after being hit by a truck on the Perito Moreno highway, at the height of the Parque Avellaneda tollbooth, in Buenos Aires, Argentina. The helicopter had been dispatched to assist in a collision between two trucks, as a result of which one of the drivers was trapped inside the cabin of the vehicle.

23oct21 Mi-25 dam

As a result of a mechanical failure, a Mi-25 of the Syrian Arab Air Force made a hard landing in the eastern Homs countryside. The pilot was killed in the accident, while his col-

league received serious injuries. The helicopter was heavily damaged.

24oct21 7304 Mi-171E **171E00196137304U ?** w/o

While carrying millions of cash (currency not reported) a Libyan Air Force Mi-171 rolled over during landing on a football field in Tarhuna, southeast of the capital, Tripoli. At least two occupants were injured.

25oct21 PK-SNN Ce208 **20800556** w/o

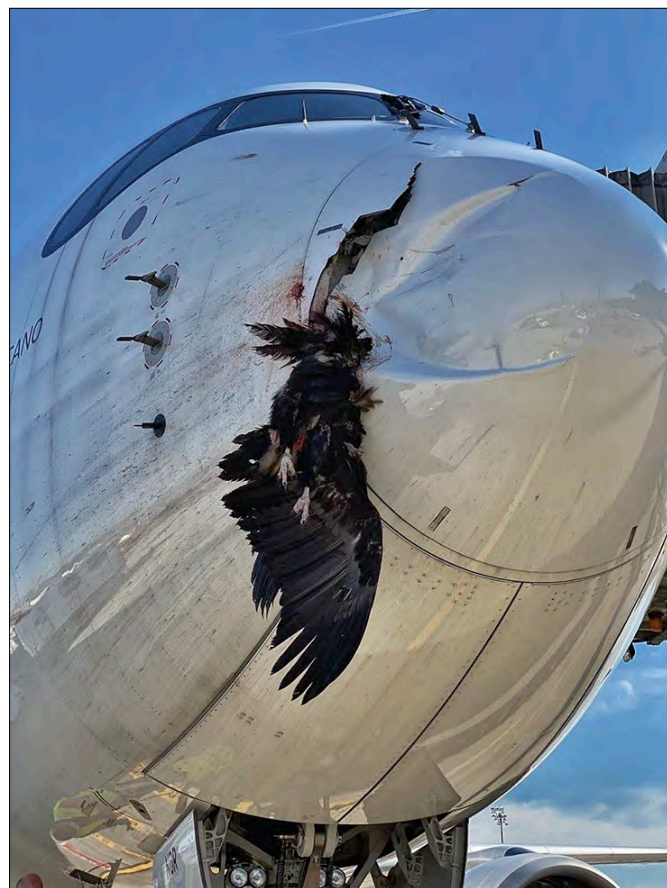
One pilot died in the mishap of this Smart Cakrawala Aviation Cessna Caravan I after it crashed upon landing at Ilaga Airport, Papua, in foggy weather. The other pilot was seriously injured and the aircraft was written off. The aircraft came down on the runway, just past the threshold of runway 25.

26oct21 V5-HOC Bell 206L-1 **45426** w/o

A Bell LongRanger II of Heliworx crashed in a wooded area and burst into flames, near Mhlambanyatsi, Eswatini, sadly killing the pilot and only occupant. He had left Manzini-Matsapha Airport for a flight to Lanseria, South Africa.

27oct21 EC-NDR A350-941 **312** dam

Iberia will be a unique airline for a few lucky passengers, as they will have the opportunity to taste a black vulture. This will be courtesy of the A350 that struck the unlucky bird, while on approach to Madrid-Barajas' runway 32L, after flight IB6586 out of Bogotá-Eldorado Airport, Colombia. The vulture got stuck in the nose cone, which received a tear and dent. (Twitter)



Credits: ASN, Aviation Herald, B3A, Leo Hoogerbrugge, Facebook

[www.scramble.nl/database/accident](http://www.scramble.nl/database/accident)



# Military News & Updates



Ababil on finals! The Qatar Emiri Air Force received its first quartet of F-15QAs, locally named Ababil (a kind of birds) staging through RAF Mildenhall on 28 October 2021. Shown here is FMS serial 17-1013 pictured by Josh Knights.

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)  
EHVK = Volkel

#### CH-47F

D-483	298sq	ex LCW	<b>M7483</b>	oct21
D-485	298sq	ex LCW	<b>M7485</b>	oct21
D-601	298sq	ex LCW	<b>M7601</b>	oct21
D-602	298sq	ex LCW	<b>M7602</b>	oct21

#### F-16AM

J-060	312sq	ex 322sq	<b>6D-143</b>	aug21
J-257	wfu EHVK?	ex 312sq	<b>6D-46</b>	
J-628	wfu EHVK	ex 312sq	<b>6D-60</b>	sep21

We still do not know if J-257 is withdrawn for use or scrapped.

#### F-16BM

J-882	wfu EHVK	ex 312sq	<b>6E-23</b>	oct21
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#### F-35A

F-019	322sq	d/d 31aug21	<b>AN-19</b>	sep21
F-020	322sq	d/d 29sep21	<b>AN-20</b>	sep21
F-021	322sq	d/d 06oct21	<b>AN-21</b>	oct21
F-022	FACO Cameri	f/f 14oct21	<b>AN-22</b>	oct21

#### KDC-10

T-235	to USA	as ?	<b>46956</b>	oct21
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On 7 October 2021, KDC-10 T-235 took to the sky to say goodbye to the Netherlands. All Royal Netherlands Air Force (RNLAf) bases were visited including the civil airports Schiphol Airport, Rotterdam Airport, Texel Airport, Dutch Mil and the RNLAf headquarters in Breda.

After this flight, a few other flights had been made before the T-235 finally departed to their new owner Omega Air Services in the USA on 25 October 2021. With this flight, eight F-35s including material and personnel were ferried to Edwards Air Force base to gain their Initial Operational Capability (IOC) over there.

The F-35s which departed with the KDC-10 were: F-009, F-010, F-011, F-012, F-015, F-016, F-017 and F-018.

## Belgium

Sad news: On 22 October 2021, the Belgium Ministry of Defence announced that 40 Squadron will leave Koksijde air base and that the squadron's four NH90-NFH helicopters will move to nearby Ostend Airport.

Koksijde Airbase will remain open for training activities, but no permanent detachment will stay on the airbase. In the future, the airbase will probably close and sold to city of Koksijde.

Luchtcomponent/Composante Air/Air Component [AF]  
LEZL = Sevilla EBBE = Beauvechain

#### A400M

CT07	Airbus D&F	f/n LEZL	? oct21
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#### F-16AM

FA117	10w	ex 2w	<b>6H-117</b>	aug21
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#### Sea King Mk48

RS02	to UK	as OO-SEE	<b>WA832</b>	oct21
RS04	to UK	as OO-KNG	<b>WA834</b>	oct21

These two Sea Kings were already withdrawn from use for a while, but the Belgian Air Force brought these two Sea Kings back to the air last month! These two Sea Kings has been acquired by Historic Helicopters in Chard (UK) and left Koksijde Airbase for the UK on 20 October 2021. We are happy that these two iconic helicopters have been saved from the shredder!

#### SF260M+

ST19	wfu EBBE	ex CC Air	<b>10-19</b>	oct17
ST20	wfu EBBE	ex CC Air	<b>10-20</b>	oct21
ST25	wfu EBBE	ex CC Air	<b>10-25</b>	oct21
ST27	wfu EBBE	ex CC Air	<b>10-27</b>	oct21

## Bosnia and Herzegovina

Following the disastrous wild fires this summer, the government of the Federation of Bosnia and Herzegovina announced it plans to buy aviation assets for its Civil Protection Directorate. They intent to buy a single and a two-seater AT-802 Fire Boss as well as a Bell 412 and a Bell 505. The government will carry out a study to the demands, organisation, financing, etc. before making the final decision. The have already instructed

the Ministry of Finance to provide additional budget for 2022.

On 30 September the Sarajevo Canton Ministry of Interior approved a study on the project of implementation of a police helicopter unit. The project will cost around € 12 million and foresees the employment of a pilot team leader, three pilots and aircraft mechanics. The type of helicopter will be decided during an international tender.

Ministarstvo unutrašnjih poslova Republika Srpska (GV)

The first two Kazan Ansat helicopters were delivered in November 2020 and June 2021 to the Helicopter Unit of the Special Antiterrorist Unit (MUP) of the Republika Srpska Police. Both were presented to the press on 15 October, showing that by this time checks, training flights and registration have been organised. These are part of an order for three Ansat helicopters from Russian Helicopters worth € 26.5 million. The third Ansat will be delivered in January 2022. The MoI also awaits the delivery of equipment for bambi buckets, so the Ansats can also be used for fire fighting.

Ansat			
E7-SAJ	MUP	f/n photo	oct21
E7-MUP	MUP	f/n photo	oct21

## Finland

Ilmavoimat (AF)

F/A-18C			
HN-457	HävLLv 31	ex HävLLv 11	<b>1497/FNC057</b> feb21

## France

Armée de l'Air et de l'Espace (AF)

A330MRTT			
045/F-UJCK	ERVTS01.031	ex EC-332	<b>1965</b> sep21
046/F-UJCL	ERVTS01.031	ex EC-333	<b>1968</b> aug21
047/F-UJCM	Airbus	on order	<b>1998</b>
048/F-UJCN	Airbus	on order	<b>2008</b>
049/F-UJCO	Airbus	on order	<b>2011</b> oct21

CN235M-200			
111/64-II	ET03.062	ex ET01.063	<b>C111</b> sep21

Rafale B		
306	to Greece	as 402

Rafale C			
105/30-HE	EC02.030	ex ECE01.030	sep21
106/30-HG	nn	ex 113-HG	oct21
109/30-IM	nn	ex 4-IM	oct21
121/30-IZ	nn	ex 113-IZ	oct21
122/30-GA	nn	ex 7-GA	oct21

134/30-GM	nn	ex 7-GM	oct21
136/30-GO	nn	ex 104-GO	oct21
140/4-GS	ETR03.004	ex 7-GS	sep21
147/4-GZ	ETR03.004	ex 30-GZ	sep21

SA330B			
1024/F-ZAIB	ex DGA/EV	l/f 02sep21	<b>1024</b> oct21

TBM-940			
1372/EV	DGA/EV	ex F-HAHI	<b>1372</b> oct21
1376/EW	on order	as F-HAHJ	<b>1376</b>
1381/EX	on order	as F-HAHK	<b>1381</b> oct21
1382/EY	on order	as F-HAHL	<b>1382</b>

1372 was officially delivered on 21 October 2021.

Gliders			
F-CAGA/F3	Discus 2C	EIVV05.312J	<b>27</b> 21
F-CBEU/A7	Duo Discus	EIVV05.312J	<b>334</b> oct21
F-CBMV/MV	ASK-21	EIVV05.312J	<b>21647</b> 21
F-CEIM/SD	LS-4	EIVV21.535	<b>4140</b> 21
F-CFUD/XD	Discus 2C	EIVV21.535	<b>38</b> 21
F-CFDY/F2	Discus 2B	EIVV05.312J	<b>225</b> 21
F-CFEM/EM	Duo Discus	EIVV25.535	<b>238</b> 21
F-CIEC/EC	Duo Discus	EIVV05.312J	<b>140</b> oct21
F-CIEZ/F5	Discus 2C	EIVV21.535	<b>6</b> 21
F-CJEA/EA	Duo Discus	EIVV05.312J	<b>154</b> 21
F-CJED/ED	Duo Discus	EIVV05.312J	<b>70</b> oct21
F-CJEH/F4	Discus 2B	EIVV05.312J	<b>5</b> 21
F-CJEK/A6	Duo Discus	EIVV05.312J	<b>63</b> oct21
F-CMBE/EB	Duo Discus	EIVV25.535	<b>31</b> feb21
F-CMDA/SC	LS-4	EIVV05.312J	<b>4675</b> 21
F-CNCH/KL	DS1000-S	EIVV05.312J	<b>10-273S179</b> 21
F-CNGC/D2	DS1000-S	EIVV21.535	<b>10-272S178</b> 21
F-CNPG/D4	DS1000-S	EIVV25.535	<b>10-271S177</b> 21
F-CNPH/D1	DS1000-S	EIVV21.535	<b>10-294S198</b> 21
F-CNRB/D3	DS1000-S	EIVV21.535	<b>10-274S180</b> 21
F-CODE/SE	LS-4	EIVV05.312J	<b>4748</b> 21
F-CPHA/AA1	Duo Discus	EIVV21.535	<b>631</b> feb21
F-CPHB/AA2	Duo Discus	EIVV25.535	<b>132</b> 21
F-CVVA/MX	ASK-21	EIVV05.312J	<b>21867</b> oct21
F-CXXD/XD	Discus 2C	EIVV21.535	<b>30</b> 21

The trend of using civilian aircraft for military training in France has gone a step further. In the past few years the air force has replaced a number of their military gliders with leased civil ones. Currently 25 civilian gliders are in use and as they carry air force titles and unit badges we will list them here for you. The units which fly them are EIVV05.312J at Salon, EIVV21.535 at Romorantin and EIVV25.535 at Saintes. Armée de Terre (AR)

NH90-TTH			
1291/EAF	1RHC	ex CFIA	<b>1291</b> sep21



Together with two US Army CH-47Fs, Czech Mi-17 0850 of 243 vrl operated out of Volkel to participate in exercise Falcon Leap, dropping parachutists at various altitudes over drop zones in the Netherlands. (Rob Hendriks, Volkel, 14 September 2021)





At Montlucon, France, the FAI's World Gliding Championships were held last August. Rarely seen, Jodel D140R Abeille 512/UO of CIAM 06.312 of the French Air Force was present as well, and so was Gerben Hazebroek with a camera on 21 August 2021.

1455/EBU	1RHC	ex AirbusHeli	<b>1455</b> sep21
1479/EBY	AirbusHeli	on order, F-ZKBT	<b>1479</b> sep21

#### Tigre HAD

2010/BHA	5RHC	ex AirbusHeli	<b>2010</b> oct21
2015/BHD	5RHC	ex AirbusHeli	<b>2015</b> oct21

Both have been converted at Marseille from Tigre HAP to Tigre HAD and are now operational again.

#### Marine National (NY)

2022 will be the final year of the Alouette 3 in French naval service. Currently eight should still be operational (100, 106, 161, 162, 268, 302, 303, 997 and one more).

#### AS365N2

772	Heli Union	ex F-GNVT	<b>6772</b> sep21
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#### AS365N3

745	nn	ex F-HUdT	<b>6745</b> sep21
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Sécurité Civile (GV)

#### H145D3

F-ZBQM	AirbusHeli	as D-HADI	<b>21071</b> oct21
F-ZBQN	AirbusHeli	on order	<b>21082</b> oct21

Both were seen outside at Airbus Donauwörth.

#### DHC-8-402Q(MR)

F-ZBML/79	Bombardier	as C-GUJK	<b>4631</b> sep21
F-ZBMM/80	Bombardier	as C-GUKH	<b>4633</b> sep21

The first one will be delivered in 2022 and the second one 2023. Both have already been seen in full Sécurité Civile colours.

#### Germany

##### Luftwaffe (AF)

EDDV = Hannover	EDHI = Hamburg-Finkenwerder
ETHR = Roth	EDCB = Buckeburg

#### A310-304

10+23	wfu EDDV	wfu 03sep21	<b>503</b> sep21
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#### A310-304MRTT

10+26	to RCAF	ex FBS BMVg	<b>522</b> aug21
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This Airbus will be used as a spare source for the Royal Canadian Air Force (RCAF)

#### A321-251NX

15+06	o/o Airbus	full c/s (sep21)	<b>10613</b> oct21
15+10	o/o Airbus	D-AVXU, f/f 26oct21	<b>10613</b> oct21
15+11	FBS BMVg	f/n EDHI, full c/s	<b>10528</b> oct21

#### A350-941CJ

10+01	o/o Airbus	'Konrad Adenauer'	<b>468</b> aug21
10+02	o/o Lufthansa	f/f 25oct21	<b>526</b> oct21

10+02	as D-AKAY	o/o Airbus	<b>443</b> oct21
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#### C-130J-30

55+01	roll-out 21aug21	<b>5930</b>
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On 21 August 2021 the first C-130J-30 Hercules for the Luftwaffe rolled-out of Lockheed Martin's facility in Marietta-Dobbins ARB. The purchase of the C-130J-30 is a joint French-German project and the aircraft will be based at BA105 Evreux (France).

#### C-160D

50+36	LTG63		<b>D58</b> oct21
50+40	pres. ETHR	s/c mks. 'Retrobrummel'	<b>D62</b> oct21
50+51	LTG63		<b>D73</b> oct21
50+55	LTG63		<b>D77</b> sep21
50+79	LTG63		<b>D116</b> oct21
50+83	LTG63		<b>D120</b> oct21
50+86	WTD61		<b>D123</b> sep21
50+88	LTG63		<b>D125</b> oct21

#### EF2000

31+18	TLG74	ex TLG73	<b>183/AS011</b> oct21
31+22	TLG74	ex TLG73	<b>198/AS015</b> oct21

#### EF2000(T)

30+67	TLG71	ex TLG73	<b>GT018</b> sep21
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#### Global 6000

14+08	o/o Lufthansa Technik	<b>60037</b> aug21
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#### NH90-NFH

79+59	MFG5	ex Airbus Heli.	<b>NGEN09</b> oct21
98+53	f/n Airbus Heli.		oct21

#### NH90-TTH

78+13	THR10	ex IHAz	<b>1065</b> oct21
78+19	THR10	ex IHAz	<b>1099</b> oct21
78+20	THR10	ex IHAz	<b>1100</b> oct21
78+24	THR10	ex IHAz	<b>1114</b> oct21
78+27	THR10	ex IHAz	<b>1117</b> oct21
78+31	THR10	ex IHAz	<b>1121</b> oct21
78+35	THR10	ex THR30	<b>1125</b> oct21
79+38	THR10	ex Airbus Heli.	<b>TGEE38</b> oct21
79+42	IHAz	ex Airbus Heli.	<b>TGEE42</b> oct21

#### Tiger UHT

74+01	KHR36	ex WTD61	<b>1001</b> oct21
74+58	KHR36	ex Airbus Heli.	<b>1058</b> aug21

#### Tornado IDS(T)

46+05	TLG51	ex TLG33	<b>754/GT063/4305</b> sep21
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#### UH-1D

73+08	pres. EDCB	museum 'Goodbye Huey'	<b>8428</b> aug21
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## Italy

Aeronautica Militare (AF)

### AB212AM

MM81145/- pres Ta'Qali (Malta) ex std 2° RMM **5802** oct21

### F-35A

MM7365/32-16 FACO Cameri new **AL-15** oct21

### HH-139B

MM82018/15-67 83° Gruppo CSAR new **31941** oct21

CSX82029/15-73 Leonardo new **31950** oct21

Aviazione dell'Esercito (AR)

On 14 October 2021, Agusta A109CM MM81240/E.I.863 (c/n 7374) of the Aviazione dell'Esercito Italiano (AvEs) made a last flight of the type within the AvEs, which was withdrawn from use after 45 years of service. With a short hub from Viterbo towards the 1° Reggimento Sostegno Aviazione dell'Esercito in Bracciano near Rome, to be subjected to the technical-administrative procedures for out of service. The A109 Hirundo was developed and manufactured in the 1970s by the Italian company Agusta as a light twin-turbine helicopter, with retractable landing gear, fast and equipped with effective stabilization and safety systems. It was the first all-Italian helicopter to be mass-produced.

The first AvEs A109 was MM81010/E.I.851, which arrived in 1977 at Viterbo in the Lazio region near Rome, a base hosting the training and development units of the AvEs. It was quickly followed by MM81011/E.I.852 and MM81012/E.I.853.

These first three A109s were called A109EC (Ellicotteri di Collegamento, Liasion). Two other examples, MM81013/E.I.854 and MM81014/E.I.855 were fitted with TOW (Tube-launched, Optically tracked, Wire-guided) American anti-tank missile equipment to evaluate the anti-tank performance of the missile, and to develop techniques, in order to facilitate the entry into service with the AvEs.

After a successful evaluation period, the AvEs ordered in 1987 another 24 helicopters in the A109CM version with fixed gear. There were two configurations: the first simplified A109 EOA-1 (Ellicotteri da Osservazione Avanzata, Observation) in sixteen units and eight in the full EOA-2 configuration for reconnaissance and utility, entered service starting from 1988.

### A109CM

MM81240/E.I.863 std Bracciano ex 1° Gruppo **7374** oct21

### AB205A-1

MM80695/E.I.324 54° Gruppo ex 25° Gruppo **4222** sep21  
Guardia di Finanza (PO)

### P-72B

MM62321/22 GEA new **1585** sep21

Vigili del Fuoco (SV)

### AW139

VF-147 RV Bologna ex I-PTFR/Leonardo **31918** sep21

## Malta

Armed Forces of Malta (AF)

### Bulldog T1

AS0124 i/a Paola ex std Ta'Qali **240** nov20

## Norway

Norske Luftforsvaret (AF)

The Royal Norwegian Air Force (RNoAF) will retire its current fleet of F-16AM/BM Fighting Falcons by the end of the year. According to the proposed 2022 Defence Budget, the Norwegian Ministry of Defence (MoD) stated that from 2022 the Lockheed Martin F-35A Lightning II would be the only fixed-wing fighter aircraft in service. At this moment, the RNoAF has 31 operational F-35As, of which 10 are operated by the 62nd Fighter Squadron at Luke AFB (AZ) for training purposes. Three more Lightning IIs are expected to be delivered to Norway this year.

Norway plans to complete the deliveries of 52 F-35As by the end of 2024, but this might slip a bit due to delayed production and component delays as a result of the COVID-19 pandemic.

In March 2021, Scramble Magazine reported on the possible commercial sale of F-16s. The Norwegian Defence Material Agency (NDMA) contracted Kongsberg Aviation Maintenance Services (KAMS) to maintain a number of F-16s that already had been taken out of active service and make them ready for commercial re-sale. It is not known how many F-16s will be made ready for this possible commercial re-sale.

According to Key Aero, the Forțele Aeriene ale României (FAR, Romanian Air Force) is interested to buy two squadrons of former RNoAF F-16AM/BM fighters.

### AW101 Mk612

0279 330 skv ex OT&E **50279** aug21

0281 OT&E d/d 07oct21 **50281**

0282 Leonardo MW f/n, full mks **50282** oct21



Anney is one of many locations in France where helicopters of the Sécurité Civile are based to support the local population. Leonard van Teeffelen visited Anney on 2 October 2021 and pictured EC145 F-ZBQF in beautiful autumn light.





Leeuwarden was the place to be late September and early October for some serious fighter jet action. The Weapon Instructor Course (WIC) was held and brought Eufi 31+20 of TaktLwG 73 among many others. (Richard Baas, 28 September 2021)

## Portugal

Força Aérea Portuguesa (AF)

### KC-390

26901      Embraer      sep21  
The first Portuguese KC-390 was noted wearing its serial in the hangar of its maker. Note that this is the first 5-digit Portuguese serial starting with 2. Delivery of this machine is expected early 2023. The remaining four of the total order of five will follow at a pace of one per year.

## Serbia

Ratno Vazduhoplovstvo i Protivvazdusna Odbrana (DF)

At the Partner 2021 military exhibition a modified V-54 Lasta (54202) was showcased. It was modified with a Rolls Royce M250B17F turboprop engine for more horsepower and fuel savings. In addition to basic training it is planned it can be used for training in shooting, firing rockets and bombing. Therefore it is equipped with hardpoints under the wings, a fire control system and an optoelectronic system. The installation of Russian Zvezda KS-20212 ejection seats, oxygen system, NVG compatible redesigned cockpit and air conditioning is included. After examination the air force will decide if all Lastas will be modified to this level or wether new aircraft will be procured.

Ministarstvo Unutrasnjih Poslova (PO)

Serbia has announced it will buy two Ka-32 helicopters for fighting wild fires. Already in March 2021 Serbia announced its interest in acquiring fire fighting planes. The two Ka-32 will likely be added to the Police (MUP) helicopter unit. Serbia will have several helicopters in use with its air force and police that can be used for fire fighting: AB212, Mi-8/17, H145, H215 (o/o). But extinguishing larger forest fires is most efficiently done with dedicated fire-fighting helicopters.

## Spain

LEAB = Albacete      LEAO = Almagro  
LECV = Colmenar Viejo      LELN = Léon  
LEZL = Sevilla/San Pablo      LFML = Marseille/Marignane

Ejército del Aire (AF)

### A330-202

T.24-01/452-01      452 Esc      #10273, ex EC-MIL      **1694**      oct21  
T.24-02           ex EC-MJA      **1700**  
T.24-03           ex EC-MKI      **1719**

The Spanish Air Force acquired three ex Iberia A330s for 452 Esc of Grupo 45 (Torrejón de Ardoz air base), to be used for transport and aerial refuelling tasks. On 27 October 2021, T.24-01 returned to Spain after painting at Chateauroux/Déols Airfield in France. T.24-02 will follow in 2022 and T.24-03 in 2023. After conversion to MRTT-configuration they will be

reregistered as TK.24-xx. As conversion will commence in 2023 it is expected that the third machine will immediately be registered TK.24-03.

### A400M

T.23-12/31-32      Airbus LEZL      #10221, f/n      oct21

### CASA 101EB

E.25-50/79-33      pres LELN      ex 741 Esc, at gate      **051**      oct21  
E.25-76/74-30      alloc. to AGA      ex 741 Esc      **084**      oct21

### CASA 212-200

TR.12D-76/72-21      wfu      ex 721 Esc      **359**      jul21  
TR.12D-77/72-22      wfu      ex 721 Esc      **261**      jul21  
TR.12D-81/72-24      wfu      ex 721 Esc      **247**      jul21

All were auctioned in Mexico in July 2021, together with TR.12D-79. The latter had been stored at Cuatro Vientos Airbase since December 2018 at least and was still noted there in October 2021.

### EF-18A+

C.15-20/15-07      dump LEAB      ex Ala 15      **554/A462**      oct21  
This Hornet was last reported operational with Ala 15 in March 2006 and now appeared on the dump at Albacete Airbase.

### EF2000

C.16-23/11-23      Ala 11      ex 11-03      **SS003/1063**      oct21  
C.16-25/11-25      Ala 11      ex 11-05      **SS005/1079**      oct21  
C.16-27/11-27      Ala 11      ex 11-07      **SS007/1101**      oct21  
C.16-28/11-28      Ala 11      ex 11-08      **SS008/1109**      oct21  
C.16-29/11-29      Ala 11      ex 11-09      **SS009/1117**      oct21  
C.16-32/11-32      Ala 11      ex 11-11      **SS013**      oct21  
C.16-41/11-41      Ala 11      ex 11-17      **SS022**      oct21  
C.16-49/14-49      Ala 14      ex 14-13      **SS030**      oct21  
C.16-58/14-58      Ala 14      #10019, ex 14-17      **SS041**      sep21  
C.16-62/14-62      Ala 14      #10047, ex 14-21      **SS044**      oct21  
C.16-66/14-66      Ala 14      #10064, ex 14-24      **SS047**      sep21  
C.16-71/14-71      Ala 14      #10146, ex 14-29      **SS052**      oct21  
C.16-74/14-74      Ala 14      #10202, ex 14-32      **SS055**      oct21  
C.16-75/14-75      Ala 14      #10205, ex 14-33      **SS056**      sep21  
C.16-77/14-77      Ala 14      #10234, ex 14-35      **SS058**      aug20

### EF2000(T)

CE.16-01/11-01      Ala 11      ex 11-70      **ST001/1006**      oct21  
CE.16-02/11-02      Ala 11      ex 11-71      **ST002/1014**      oct21  
CE.16-04/11-04      Ala 11      ex 11-73      **ST004/1035**      oct21  
CE.16-12/14-12      Ala 14      #10000, ex 14-71      **ST012**      oct21

### Mirage F1M

C.14-20/14-13      pres LELN      ex i/a, at gate      oct21

### NH90-TTH

HD.29-19/803-19      803 Esc      #10238, d/d 07oct21      **1445**      oct21  
HD.29-21/803-21      Airbus LFML      #10264, f/n, F-ZWCQ      **1452**      sep21

### PC-21

E.27-06/792-06      792 Esc      #10244, d/d 04oct21      **319**      oct21

E.27-07/792-07	792 Esc	#10245, d/d 04oct21	<b>320</b>	oct21
E.27-08/792-08	792 Esc	#10246, d/d 04oct21	<b>321</b>	oct21

**T-35C**

E.26-27/791-27	791 Esc	ex 79-74	<b>146</b>	sep21
E.26-35/791-35	791 Esc	ex 79-82	<b>154</b>	sep21
E.26-36/791-36	791 Esc	ex 79-83	<b>155</b>	sep21

Fuerzas Aeromóviles del Ejército de Tierra (AR)

**CH-47D**

HT.17-03/ET-403	std LECV	ex BHELTRA VCF003/MP803	oct21
HT.17-17/ET-417	to CH-47F	to ET-420 MA904/MF009	

In Scramble 509 - page 57, we reported on the completion of the upgrade of the first Spanish Chinook to CH-47F configuration. In September 2021, it was noted at the Boeing facility in Philadelphia (PA) coded ET-420. A press release mentioned that this helicopter had returned to the Spanish Army after having been delivered to Boeing for upgrading in 2020. Now that CH-47D HT.17-03 has joined the storage line at Colmenar Viejo (see above) our database seems to indicate that CH-47D HT.17-17/ET-417 is the only candidate as the former identity of this first CH-47F. This corrects earlier reports that HT.17-14 would be the first example to be upgraded. This latter machine was still noted stored at Colmenar Viejo in October 2021.

**Tiger HAP**

HA.28-01/ET-701	std LEAO	ex BHELA I	<b>2005/HAP05</b>	sep21
HA.28-02/ET-702	std LEAO	ex BHELA I	<b>2007/HAP07</b>	sep21
HA.28-03/ET-703	std LEAO	ex BHELA I	<b>2008/HAP08</b>	sep21
HA.28-04/ET-704	std LEAO	ex BHELA I	<b>2014/HAP14</b>	sep21
HA.28-05/ET-705	std LEAO	ex BHELA I	<b>2017/HAP17</b>	sep21
HA.28-06/ET-706	std LEAO	ex BHELA I	<b>2020/HAP20</b>	sep21

After completion of the delivery of all eighteen Tiger HAD helicopters (HA.28-07 through HA.28-24) to BHELA I (Almagro Airbase), the six HAP-configured Tigers of the unit were withdrawn from use and stored on base. Probably already by early 2020. One of these machines will be used as the basis for the prototype of the new to be developed Tiger Mk.III whereas the others are thought to become sources for components.

**Sweden****Flygvapnet (AF)**

Eight months after the announcement that Sweden committed itself to the Global 6000 GlobalEye Airborne Early Warning (AEW) and Intelligence Surveillance Reconnaissance (ISR), the Försvarsmaktens (Swedish Armed Forces) made a formal

request to procure the Saab GlobalEye on 1 October 2021.

It is not reported how many GlobalEyes will be ordered. On 14 October 2020, the Swedish Ministry of Defence (MoD) published a 181-page document outlining the defence bill for the period 2021-2025. Scramble Magazine reported on the proposed large increase in Swedish Defence Budget on 18 October 2020. One of the most pressing needs is a new airborne early warning and control system, as the current Airborne Surveillance & Control (ASC) Saab S100D aircraft are overworked and ageing.

The two S102B Korpen SIGINT modified Gulfstream IVs are to be maintained, with no replacement plans to be made until after 2025.

**Försvarsmaktens Helikopterflottilj (JF)****Hkp14F**

146043/43	Airbus Heli	grey c/s, ex Hkp14A	<b>1022</b>	sep21
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**United Kingdom****Royal Air Force (AF)**

On 7 August 2021, 201 squadron was re-activated at RAF Lossiemouth. The unit will use Poseidon MRA1 aircraft from a joint pool together with 54sq, the RAF Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) conversion unit, and with 120 squadron. At this point in time, five out of nine Poseidon MRA1 aircraft were already delivered to the RAF. Numbers six and seven would follow soon after (September 2021 and October 2021), with the remaining two slated to be delivered before the end of 2021 as well.

On 28 September 2021, the Sentry AEW1 was retired from service by the RAF. The last operational mission was flown already on 30 July 2020. On this day, ZH101/01 was manned by a 8 squadron crew and flew a mission from RAF Akrotiri (Cyprus) as part of Operation Shader. The aircraft returned home to RAF Waddington on 4 August 2021. A few local missions were flown until the retirement ceremony on 28 September 2021. On the same day, the thirtieth anniversary of the Sentry in service with the RAF was celebrated.

The last three Sentry aircraft in use were ZH101/01, ZH103/03 and ZH106/06. All three are currently stored at RAF Waddington pending disposal. They type is being replaced by three Wedgetail AEW1 aircraft in 2023, which will be stationed at RAF Lossiemouth. As an interim solution, NATO E-3A aircraft



New kid on the block of WTD-61 at Manching is H145M 76+16, the first one of a Luftwaffe follow-on contract of the H145M. It was seen at its home base on 14 September 2021 by Dietmar Fenners.





A big surprise emerged from the Satys paint shop at Lelystad mid-October. Falcon 7X F-HHED clearly shows its future operator and serial: the Hellenic Air Force, serial 273. It left after two days. (Richard Poeser, 18 October 2021)

from NATO Airbase Geilenkirchen will provide airborne early warning coverage for the British military forces.

With the planned out of service date of the Hawk T1 fleet on 31 March 2022, it is expected that the Red Arrows will increase their fleet to seventeen aircraft. As previously reported, despite the planned out of service date for this aircraft type, the Red Arrows will continue to fly Hawk T1 aircraft until 2030. With seventeen aircraft on strength, and probably additional aircraft in storage at RAF Shawbury, the Red Arrows should have sufficient aircraft at their disposal to perform until a replacement aircraft has been found around 2030.

By end-August 2021, the following aircraft were assigned to this world-famous aerial display team (albeit some were undergoing maintenance at RAF Valley):

Hawk T1 XX177, XX232, XX242, XX245, XX311, XX325  
 Hawk T1A XX188, XX219, XX278, XX319, XX322, XX323  
 Hawk T1W XX310

In addition, Hawk T1W XX295 was in the process of being prepared for service at RAF Valley. This jet was taken out of storage at RAF Shawbury on 8 December 2020 and is expected to join the display unit soon. This will bring the total number of aircraft assigned to fourteen. The identity of the additional three jets to be taken on strength by the Red Arrows is not yet known.

In preparation for the delivery of the first Protector RG1 Unmanned Aerial Vehicles for the RAF, company demonstrator N190TC was shipped to the United Kingdom as sea freight for trials and participation in Exercise Joint Warrior. It arrived at RAF Waddington on 19 August 2021 and performed its first flight from there on 25 August 2021. By mid-September 2021, the UAV was deployed to RAF Lossiemouth for Joint Warrior. This aircraft previously visited the United Kingdom during the 2018 Royal International Air Tattoo. It was placed on the static display, where it was adorned with 31 squadron markings (stickers). This former Tornado squadron is slated to be equipped with Protector UAVs in 2023.

EGDY = Yeovilton  
 EGOS = Shawbury  
 7REME

EGUW = Wattisham  
 EGXW = Waddington  
 7th Battalion Royal Electrical and Mechanical Engineers, Wattisham  
 Boeing at QinetiQ Boscombe Down  
 Central Gliding School and 644VGS pool, RAF Syerston  
 Chinook Maintenance Facility, RAF Odiham

Boeing EGDM  
 CGS/644VGS

CMF

GMS  
 EGUB Pool  
 Leonardo  
 M&FF

MFSU  
 P2MF  
 StandardAero  
 TEF

TMF  
 WST  
 WZM

Glider Maintenance School, RAF Syerston  
 28sq, 33sq and 230sq pool, RAF Benson  
 Leonardo Helicopters, Yeovil  
 Maintenance and Finishing Facility, RAF Marham  
 Merlin Fleet Support Unit, RNAS Yeovilton  
 Puma HC2 Maintenance Flight, RAF Benson  
 StandardAero, Fleetlands  
 Typhoon Engineering Facility, RAF Lossiemouth  
 Typhoon Maintenance Facility, RAF Coningsby  
 Wildcat Storage, RNAS Yeovilton  
 Wildcat Zonal Maintenance, RNAS Yeovilton

**Chinook HC5**  
 ZH897 27sq ex StandardAero **M4476** jul21

**Chinook HC6**  
 ZK551 CMF ex 7sq **M7702** aug21  
 ZK553 Boeing EGDM ex 7sq **M7704** aug21  
 ZK554 Boeing EGDM ex 7sq **M7705** jul21  
 ZK554 7sq ex Boeing EGDM **M7705** aug21  
 ZK557 StandardAero ex 28sq **M7708** jul21  
 ZK560 7sq ex CMF **M7711** aug21

**Chinook HC6A**  
 ZA679 18(B)sq ex 28sq **M7014** jul21  
 ZA679 CMF ex 18(B)sq **M7014** aug21  
 ZA680 27sq ex CMF **M7024** aug21  
 ZA684 27sq ex 18(B)sq **M7011** jul21  
 ZA705 18(B)sq ex CMF **M7030** jul21  
 ZA708 18(B)sq ex 28sq **M7018** aug21  
 ZA712 CMF ex 28sq **M7016** jul21  
 ZA714 28sq ex CMF **M7005** aug21  
 ZD983 CMF ex 27sq **M7022** aug21

**F-35B**  
 ZM142/008 207sq ex M&FF **BK-08** jul21  
 ZM145 M&FF ex 207sq/011 **BK-11** jul21  
 ZM149 M&FF ex 207sq/015 **BK-15** jul21  
 ZM156/022 d/d 28oct21 ex LMTAS **BK-23** oct21  
 ZM157/023 d/d 28oct21 ex LMTAS **BK-22** oct21  
 ZM158/024 d/d 28oct21 ex LMTAS **BK-24** oct21  
 ZM159/025 is undergoing pre-delivery tests, having performed its maiden flight in October 2021.

**Hawk T1A**  
 XX221 100sq see note **312057** jul21

In July 2018, Hawk T1A XX221/CO was flown to RAF Valley for attention with Aircraft Maintenance Repair & Overhaul (AMRO) at RAF Valley. The jet would not return to its home at RAF Leeming until 28 July 2021. The by now uncoded jet has been in use since with 100 squadron.

**Puma HC2**

XW213/E	EGUB Pool	ex P2MF	<b>1116</b>	jul21
XW232	std P2MF	ex EGUB Pool/P	<b>1199</b>	aug21
ZA935	P2MF	ex EGUB Pool/S	<b>1633</b>	jul21
ZA940/V	EGUB Pool	ex P2MF	<b>1656</b>	aug21
ZJ957/Z	EGUB Pool	ex P2MF	<b>1474</b>	jul21

**Phenom T1**

ZM334 45sq see note **50000377** jul21

On 23 July 2021, ZM334 returned to RAF Cranwell after undergoing maintenance at Fort Lauderdale (FL). It was temporary registered as G-MEPS for this purpose on 5 February 2021, and left for the US on 9 March 2021. The temporary civil registration was cancelled again on 29 July 2021.

**Poseidon MRA1**

ZP806/06 54/120/201sq, ex Boeing **66106/8680** sep21  
ZP807/07 54/120/201sq, ex Boeing **66107/8719** oct21

The sixth Poseidon maritime patrol aircraft was delivered to its new home (RAF Lossiemouth) on 21 September 2021, it was followed by number seven on 19 October 2021. The nickname of this seventh aircraft is now also known: William Barker VC. This Canadian pilot served with 201sq during the Great War. He was awarded the highest British military decoration for "valour in face of the enemy" when he battled with fifteen enemy aircraft over the western front in October 1918. Despite being wounded, he managed to shoot down three enemy aircraft before performing a forced landing. The final two Poseidon aircraft on order performed their first flights on 22 July 2021 (ZP808) and 15 September 2021 (ZP809). Both are planned to be delivered to RAF Lossiemouth as well before the end of 2021.

**Sentry AEW1**

ZH101 std EGXW ex 8/54sq/01 **24109/993** sep21  
ZH103 std EGXW ex 8/54sq/03 **24111/1004** sep21  
ZH106 std EGXW ex 8/54sq/06 **24114/1011** sep21

**Typhoon T3**

ZK382/382 12(B)sq ex TMF **BT027** aug21

**Typhoon FGR4**

ZJ947/947 II(AC)sq ex TMF **BS040** aug21  
ZK302/302 3(F)sq ex TMF **BS054** aug21  
ZK308/308 II(AC)sq ex 1(F)sq/308 **BS059** jul21  
ZK308/308 1(F)sq ex II(AC)sq/308 **BS059** aug21  
ZK317 TMF ex TEF **BS078** jul21  
ZK320/320 3(F)sq ex II(AC)sq/320 **BS081** aug21  
ZK325/325 1(F)sq ex II(AC)sq/325 **BS086** jul21  
ZK325/325 6sq see note **BS086** aug21  
ZK328/328 TMF ex 3(F)sq/328 **BS089** aug21  
ZK330/330 II(AC)sq ex 6sq/330 **BS091** aug21  
ZK334/334 3(F)sq ex TMF **BS095** jul21

ZK337/337	II(AC)sq	ex TMF	<b>BS098</b>	jul21
ZK337/337	1(F)sq	ex II(AC)sq/337	<b>BS098</b>	aug21
ZK342/342	29sq	ex 3(F)sq/342	<b>BS103</b>	jul21
ZK345/345	XI(F)sq	ex 6sq/345	<b>BS106</b>	aug21
ZK350	TMF	ex XI(F)sq/350	<b>BS111</b>	aug21
ZK353/353	1(F)sq	ex II(AC)sq/353	<b>BS114</b>	jul21
ZK353/353	II(AC)sq	ex 1(F)sq/353	<b>BS114</b>	aug21
ZK357/357	6sq	ex 3(F)sq/357	<b>BS118</b>	aug21
ZK371/371	TMF	ex 3(F)sq/371	<b>BS132</b>	aug21
ZK378/378	II(AC)sq	ex 6sq/378	<b>BS139</b>	jul21
ZK424/424	1(F)sq	ex 6sq/424	<b>BS140</b>	jul21
ZK426/426	II(AC)sq	ex 6sq/426	<b>BS142</b>	jul21
ZK429/429	3(F)sq	ex 29sq/429	<b>BS145</b>	jul21

After receiving attention by TMF, ZK337 was first used by 1(F)sq for a brief period of time before being transferred to II(AC)sq. Prior to its transfer to 6sq, ZK325/325 spend a short period back with 1(F)sq. On 24 August 2021, it deployed to RAF Akrotiri (Cyprus) for Operation Shader duties.

**Viking TX**

ZE527	GMS	ex CGS/644VGS/VP	<b>33896</b>	jul21
ZE527/VP	CGS/644VGS	ex GMS	<b>33896</b>	aug21
ZE553	GMS	ex 661VGS/WA	<b>33912</b>	aug21
ZE555/WC	CGS/644VGS	ex GMS	<b>33914</b>	aug21
ZE559/WG	CGS/644VGS	ex GMS	<b>33923</b>	jul21
ZE564/WN	CGS/644VGS	ex GMS	<b>33928</b>	jul21
ZE564/WN	661VGS	ex CGS/644VGS/WN	<b>33928</b>	aug21
ZE590/WT	CGS/644VGS	ex GMS	<b>33937</b>	aug21
ZE605	GMS	ex 622VGS/XE	<b>33949</b>	aug21
ZE608/XH	CGS/644VGS	ex GMS	<b>33957</b>	aug21
ZE628/XS	632VGS	ex GMS	<b>33975</b>	jul21
ZE678/YN	CGS/644VGS	ex GMS	<b>34025</b>	aug21
ZE685/YV	CGS/644VGS	ex GMS	<b>34034</b>	jul21

**Voyager KC2**

ZZ330 10/101sq ex 1312Flt **1046** aug21

**Voyager KC3**

ZZ332 1312Flt ex 10/101sq **1275** aug21

**Army Air Corps (AR)**

At RAF Barkston Heath, 674sq was disbanded on 30 April 2021. According to MAR, also the other Prefect T1 unit at this RAF station (Fleet Air Arm unit 703 NAS) will disband in 2022. If this indeed takes place, the sole unit using these training aircraft will be 57 squadron (Royal Air Force).

**Apache AH1**

ZJ187	to USA for AH-64E conversion	<b>WAH22</b>	jul21
ZJ195	to USA for AH-64E conversion	<b>WAH30</b>	jul21
ZJ213	3/4Regt ex 7REME	<b>WAH47</b>	jul21

On 21 July 2021, both ZJ187 and ZJ195 arrived at RAF Brize Norton for air freight to the USA where they will be inducted into the AH-64E conversion programme. On 15 June 2021, the



Among many others, Dino van Doorn was present at Leeuwarden to witness WIC-action. He sent us some great shots and we picked this Royal Norwegian Air Force F-35A 5207 to show its sleek lines and drag chute housing. (8 September 2021)





A surprise at Prague, this Turkish S-92 showed up with a new serial, TCCB 1, previously EM-001. TCCB stands for Türkiye Cumhuriyeti Cumhurbaşkanlığı or Presidency of the Republic of Turkey. (17 October 2021, Václav Kudela)

following Apaches were officially stricken from the UK military register: ZJ181, ZJ194, ZJ196, ZJ217, ZJ222 and ZJ227. All were previously shipped to the USA to be inducted into the AH-64E conversion programme.

#### Apache AH2

ZM703	EGUW	ex Boeing	<b>UD004</b>	oct21
ZM712	EGUW	ex Boeing	<b>UD013</b>	oct21

The next two (AH-64E) Apache AH2 helicopters were not delivered to RAF Brize Norton for a change, but flown by a USAF C-17A (00-0185/AK of 144th AS AK ANG) to RAF Mildenhall. They arrived on 21 October 2021, and were stored inside pending road transport to Wattisham.

#### Defender R2

The various Defenders which were flown to Solent Airport (ex Lee-on-Solent) for storage have been entered into the British civil aviation register as follows:

ZG995	to G-SURV	reg 30jul21	<b>4005</b>
ZG996	to G-BWPR	reg 30jul21	<b>4010</b>
ZG997	to G-BWPV	reg 30jul21	<b>4012</b>
ZG998	to G-BWPX	reg 30jul21	<b>4014</b>
ZH001	to G-CEIO	reg 30jul21	<b>4015</b>
ZH002	to G-CEIP	reg 30jul21	<b>4016</b>
ZH003	to G-CEIR	reg 30jul21	<b>4017</b>
ZH005	to G-CGVB	reg 30jul21	<b>4018</b>

All these Defenders, just like ZH004 (Defender T3) which is mentioned next, were struck from the UK military register on 9 July 2021. On the same day also Islander R1 ZG848 underwent the same fate.

#### Defender T3

ZH004	to G-BWPO	reg 30jul21	<b>4009</b>
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#### Gazelle AH1

XZ290	665sq	ex StandardAero	<b>1489</b>	jul21
XZ320	StandardAero	ex 665sq	<b>1613</b>	jul21
ZB693	StandardAero	ex 665sq	<b>2009</b>	aug21

#### Islander R1

ZG844	to BN at Bembridge, ex std EGOS	<b>2184</b>	may21
ZG848	to G-BLNY ex 651sq	<b>2199</b>	aug21

By May 2021, ZG844 was transported to Britten Norman at Bembridge where it is to be stripped for spares. The aircraft was last confirmed to us in storage at RAF Shawbury in July 2020. The move must therefore have taken place in between these two months, but most likely closer to the latter one following the retirement of the entire Defender and Islander fleet by the British military. We did not yet report on the disposal of the last Islander formerly used by 651sq. Aircraft ZG848 flew out to Cumbernauld on 8 July 2021, and was regis-

tered as G-BLNY on 4 August 2021.

#### Wildcat AH1

ZZ383	WZM	ex std WST	<b>502</b>	aug21
ZZ387	std WST	ex WZM	<b>506</b>	aug21
ZZ398	Leonardo	ex WZM	<b>471</b>	aug21
ZZ510	std WST	ex Leonardo	<b>508</b>	aug21

Fleet Air Arm (NY)

#### Merlin HM2

ZH837	824NAS	ex 820NAS	<b>50074</b>	aug21
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#### Merlin HC3i

ZJ132	Leonardo	ex 846NAS/Q	<b>50177</b>	jul21
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The last operational Merlin HC3i flew to Yeovil where it will be converted to HC4 standard by Leonardo. Prior to this, the helicopter performed a flypast over its former home: RAF Benson.

#### Merlin HC4

ZJ125	MFSU	ex 845NAS/J	<b>50137</b>	aug21
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#### Merlin HC4A

ZJ992/AB	846NAS	ex MFSU	<b>50106</b>	aug21
ZK001/AF	846NAS	ex std EGDY	<b>50160</b>	jul21

#### Wildcat HMA2

ZZ377	825NAS	ex WZM	<b>496</b>	aug21
ZZ396	815NAS	ex Leonardo	<b>481</b>	jul21
ZZ515	WZM	ex 815NAS	<b>520</b>	aug21
ZZ528	Leonardo	ex 825NAS	<b>535</b>	aug21

Interestingly, ZZ532 has been temporary assigned to 1Regt (659sq) for exercise Khanjar (Oman) in August 2021.

## Africa

### Angola

Força Aérea Nacional de Angola (AF)

#### IAR316B

H-233	w/o 21sep21	<b>149</b>
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The crash date is also reported as 22 September 2021.

#### Kodiak 100

...	ex D-FCEI	<b>100-0258</b>	sep21
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Looks like the Kodiak 100 which was at Memmingen, Germany, went to Angola after all. Photos show the aircraft has the exact same colour scheme as the D-FSST, which became the R-756 within the Angolan Air Force. The aircraft left Memmingen on 21 September 2021 and made a stop at Altenrhein, Malaga, Lanzarote and São Tomé. It arrived at Luanda on 25 September.

## Burkina Faso

Force Aérienne de Burkina Faso (AF)

**C295**  
XT-MBH o/o, EC298 c/n update **202** sep21

## Egypt

al Quwwat Al Jawwiya II Misriya (AF)

**AW149**  
33 545AW ex CSX82031 **49076** oct21  
34 545AW ex CSX82033 **49078** oct21  
39 545AW camo c/s jul21

The 33 and 34, together with the two AW189s mentioned below, were noted early October on the cargo ramp of Milano-Malpensa.

**AW189**  
80 545AW ex CSX82035 **49077** oct21  
84 545AW ex CSX82040 oct21

Both are in a overall white colour scheme with the tail painted in the colours of the Egyptian Flag. The construction number of the 84 is most likely **49079**, but this is not confirmed and is just an assumption.

## Libya

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

**MiG-25**  
496 std Al-Jufra f/n database, photo

**Mirage-5DE**  
109 std Tripoli 32°54'25.90"N, 13°16'02.93"E oct21  
One of the few Mirage 5DE that was left in Libya is now installed as a monument in the city of Tripoli. The camouflage pattern is fictitious. Authorities in Tripoli have placed the plane at the roundabout near Mitiga airport as a memorial to war victims in Tripoli. The serial 109 needs confirmation, it is not confirmed this is its real serial.

## Mali

Force Aérienne de la République du Mali (AF)

The air force of Mali received four Mil Mi-17 helicopters, according to avio.pro two Sh-models and two V-5 models, however images show at least three Sh-models so we think for the moment all are Sh-models. The helicopters were delivered at Bamako-Senou on 2 September 2021. Unfortunately we do have further information at the moment.

## Mozambique

Força Aérea Moçambique (AF)

**Mi-17**  
FA-093 f/n database, photo sep21

## Tanzania

Jeshi la Wananchi la Tanzani (AF)

**H215M**  
JW9806 ex F-ZWBI del. oct21 **3087/TNZ004** oct21  
JW9807 ex F-ZWCY del. oct21 **.../TNZ005** oct21  
JW9808 ex F-ZWDE del. oct21 **.../TNZ006** oct21

All the three Super Pumas were delivered to Dar-es-Salaam on 6 October 2021 by An-124-100 UR-82008.

## Tunisia

al Quwwat al Jawwiya at Tunisia (AF)

The Tunisian Air Force has signed a contract with ATI Engineering. It concerns the acquisition of two Cessna C208 Grand Caravan aircraft, transformed into an ISR platform. Both devices will receive an encrypted UHF and VHF communication system, a datalink, an NVIS night vision system for crews and an optronic ball. The amount of this contract, payable by the Tunisian army, is just under USD 10 million, excluding the planes.

## Asia

### Afghanistan

Afghan Air Force (AF)

More photos and videos were found on social media, revealing additional information of aircraft left behind. The overview below is an update on the detailed list in Scramble 509 – Page 62.

OAIX = Bagram OAKB = Kabul/Hamid Karzai IAP  
OAMS = Mazar-i-Sharif OAUZ = Kunduz

**A-29B**  
YA1406 left behind at OAKB, disabled **31400206** aug21  
YA1510 left behind at OAKB, disabled **31400210** aug21  
YA1511 left behind at OAKB, disabled **31400211** aug21  
YA1519 left behind at OAKB, disabled **31400219** aug21  
YA1520 left behind at OAKB, disabled **31400220** aug21

**AC-208**  
YA85441 left behind at OAKB, disabled **208B5441** aug21  
YA85446 left behind at OAKB, disabled **208B5446** aug21

**Ce208B**  
YA12299 left behind at OAKB, disabled **208B2299** sep21  
YA12303 maintenance trainer at OAKB **208B2303** oct21  
YA22345 left behind at OAKB, disabled **208B2345** aug21  
YA22404 left behind at OAKB, disabled **208B2404** aug21

**MD530F**  
... maintenance trainer at OAKB aug21  
258 wreck at OAKB **0258FF** aug21  
301 left behind at OAKB, disabled **0301FF** oct21  
327 ex OAMS, now at OAKB **0327FF** sep21



On 19 October 2021 this 314-03/S3-VHS, the first of two additional Dornier 228NG for the Bangladesh Navy emerged from its stable. That stable used to be called Dornier and RUAG but is now owned by General Atomics AeroTec Systems. (Oberpfaffenhofen, Alexander Lutz)





Kuwait is in the process of receiving their F/A-18E. This flock consisting of 807, 815, and 822 were seen at Stennis Intl/Bay St. Louis, quite a catch! (23 September 2021, Carey Mavor)

<b>Mi-17V-5</b>			
717	left behind at OAKB, disabled	<b>840M09</b>	sep21
<b>Mi-35</b>			
123	ex wfu, active again at OAUZ		sep21
<b>Mi-8MTV</b>			
813	active again at OAMS		sep21
<b>PC-12/47E</b>			
1443	left behind at OAKB, disabled	<b>1443</b>	aug21
<b>SA315B (HAL) Cheetal</b>			
... (1)	left behind at OAKB, disabled		oct21
... (2)	left behind at OAKB, disabled		oct21
601	unit nn f/n, photo		apr15
602	unit nn f/n, photo		apr15
<b>UH-60A+</b>			
23009	left behind at OAKB, disabled	<b>70072</b>	aug21
23433	left behind at OAKB, disabled	<b>70191</b>	aug21
23435	left behind at OAKB, disabled	<b>70193</b>	aug21
23604	left behind at OAIK, disabled	<b>70326</b>	aug21
23924	left behind at OAKB, disabled	<b>70749</b>	sep21

## Bangladesh

### Bangladesh Biman Bahini (AF)

Bangladesh plans to acquire a western combat aircraft. In the recent past the Su-35 was mentioned as prime contender and now the Eurofighter Typhoon is tipped. Neither is much further than the request for information stage as far as we know.

### Bangladesh Navy (NY)

EDMO = Oberpfaffenhofen

### Do228NG

314-03/S3-VHS EDMO D-CAEO, full colours **8322** oct21  
This is a brand-new General Atomics AeroTec Systems (GA-ATS) Dornier 228NG for the navy, adding to the two already in service. It was seen in full colour scheme 12 October on an engine test and suspected to be construction number 8322.

## Cambodia

### Force Aérienne Royale Cambodge (AF)

<b>Mi-171</b>			
XU-170	Helicopter squadron		oct21

## China

### People's Liberation Air Force (AF)

#### B737-89P (WL)

B-209H/B-4085 China United Airlines **63083/7377** oct21  
B-209Z/B-4086 China United Airlines **63085/7457** oct21  
Both aircraft were delivered to China United Airlines on 24 December 2019 using the B-209x registration. After delivery both aircraft went into operation for the air force however

and military registrations B-408x were assigned, as can also be seen on the SBS hex codes. The CUA livery and serial markings painted on the aircraft however were not changed, so the delivery registrations are still painted on the aircraft.

#### H-6K

10092	8th Div/22nd Reg	<b>02445</b>	oct21
10294	8th Div/22nd Reg	<b>02498</b>	aug21

#### J-10A

61231	2nd Brigade		oct21
61233	2nd Brigade		oct21
68215	70th Brigade		oct21
74311	130th Brigade		oct21

#### J-10B

66079	56th Brigade		oct21
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#### J-10C

68032	72nd Brigade		oct21
74822	131st Brigade		sep21

#### J-10S

2328	Shijiazhuang FA/2nd Brigade		oct21
63975	26th Brigade		photo

The J-10 of the 26th is interesting as it was believed that J-16s had taken over from the J-10s. It now seems both types are operational within the Brigade.

#### J-11B

63100	19th Brigade	<b>0515</b>	oct21
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#### JL-10III

1143	Harbin Flying Academy/4th Brigade		sep21
1243	Harbin Flying Academy/4th Brigade		sep21

#### Y-7G

55018	CTC & SAR Brigade		aug21
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This sighting is believed to be at Shahenzen.

#### Y-9

10659	4th Division/11th Regiment		oct21
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#### Y-20A

20144	13th Division/37th Regiment		aug21
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### People's Liberation Army (AR)

#### HC120

LH907376/76	LH Academy/3rd Brigade		photo
LH907386/86	LH Academy/3rd Brigade		photo

#### Mi-17

B-4601/UNO795	UNAMID/CHN94736		jul21
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#### Mi-17V-5

B-4604/UNO797	UNAMID/CHN94762		jul21
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#### Mi-17V-7

LH921733	85th Brigade		photo
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Starting in July 2017, the China Medium Utility Helicopter Unit (CMUHU), equipped with four Mi-17 helicopters, has

been supporting the UN-African Union Mission in Darfur (UNAMID). It ended 30 June 2021. At least two helicopters were seen arriving back home at Tianjin-Bintai early August 2021. The helicopters had been taken from the (then) 4th LH Regiment, so they might return to the (now) 81st LH Brigade at Tongxian. The two other helicopters were CHN94737/UNO794 and CHN94739/UNO76. It can be expected that all were flying around with registrations in the military range B-4601 - B-4604.

**Z-9WZ**

LH981906	74th Brigade	photo
LH981921	74th Brigade	photo
LH981927	74th Brigade	photo
LH962916	79th Brigade	photo
LH962921	79th Brigade	photo
LH962931	79th Brigade	photo
LH962951	79th Brigade	photo
LH963955	80th Brigade	photo
LH963975	80th Brigade	photo

**Z-10**

LH911111	Xinjiang Brigade	photo
LH911115	Xinjiang Brigade	photo
LH911133	Xinjiang Brigade	photo
LH911151	Xinjiang Brigade	photo
LH952109	82nd Brigade	photo
LH952150	82nd Brigade	photo
LH962106	79th Brigade	sep21
LH962168	79th Brigade	sep21
LH981139	74th Brigade	sep21
LH982106	121st Brigade	photo
LH982121	121st Brigade	photo
LH982122	121st Brigade	photo
LH982153	121st Brigade	photo
LH982156	121st Brigade	photo
LH982186	121st Brigade	photo
LH992169	72nd Brigade	photo

**Z-19**

(LH907503)/03	LH Academy/3rd Brigade	photo
(LH907513)/13	LH Academy/3rd Brigade	photo
(LH907519)/19	LH Academy/3rd Brigade	photo
LH963566	80th Brigade	photo

Unfortunately, the Army Aviation Brigade has no interest to put the full serial on the outside of the Z-19s.

**Z-20**

LH982233	121st Brigade	photo
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People's Liberation Army Navy (NY)

**Z-9D**

04		Z9-0746	photo
06			photo
08	ex 9444	Z9-0762	photo

Police (PO)

**H135**

37002	Shandong Municipal Police	nov19
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Manufacturers

**J-16D**

--	SAC	0109	sep21
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One of the surprise visitors on this years airshow China at Zhuhai was this factory fresh J-16D Electronic Warfare aircraft. Although already in full Air Force colours, no serial was applied, and all support was done by factory staff.

**J-20**

Excitement was rising on the internet just as Scramble neared its deadline. A number of pictures were leaked from Chengdu, where a twin seater J-20 was having its high speed taxi trials, which is normally the last full scale test before a first flight. As has become the norm, about half of the pictures were photoshopped and the rest was open for the serious discussion. With a proper J-20 lead-in trainer being the JL-10III it remains to be seen whether a twin seat J-20 will be used as

trainer aircraft, or for other, more interesting duties.

**India**

Bharatiya Vayu Sena (AF)

**Mi-17V-5**

ZP5230		f/n		sep21
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**MiG-21Bison**

CU2266	4sq	w/o 25aug21		
CU2332	23sq	ex 32sq		sep21

Bharatiya Nau Sena (NY)

**MH-60R**

IN753	Sikorsky	f/n		oct21
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**P-8I**

IN330	INAS315A	d/d 18oct21	<b>64892/8526</b>	oct21
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**Indonesia**

Tentara Nasional Indonesia - Angkatan Darat (AR)

**AS555AP**

HS-7202	SkUAD13	c/n update	<b>5813</b>	jan20
HS-7203	SkUAD13	c/n update	<b>5814</b>	mar19
HS-7204	SkUAD13	c/n update	<b>5816</b>	nov19
HS-7205	SkUAD13	c/n update	<b>5817</b>	feb21
HS-7206	SkUAD13	c/n update	<b>5818</b>	oct20
HS-7207	SkUAD13	c/n update	<b>5819</b>	oct19

Thanks to some research, with much appreciated help from Jos Stevens, we are now sure that above six are Indonesian Army. The tie-ups are assumed, so far the local practice is to deliver and register them in neat order... **5819** is the very last AS555 built.

Polisi Udara (PO)

**AW189**

P-7001	Polisi Udara	del, ex I-EASN	<b>49069</b>	oct21
P-7002	Leonardo	I-RAIL, s/n now known	<b>49070</b>	

The first was seen test flying at Pondok Cabe since late August 2021, we are not aware if the official inception ceremony already took place.

**Japan**

Nihon Koku-Jieitai (AF)

The JASDF has reached an agreement with Italy to undertake advanced pilot training (Phase IV) at the International Flight Training School (IFTS), located at the 61st Wing's Lecce Galatina Airbase in southern Italy. Japan and Italy both operate the KC-767 and the F-35.

RJNA = Nagoya-Komaki	RJNG = Gifu
RJNH = Hamamatsu	RJOH = Yonago-Miho
RJSM = Misawa	RJTU = Utsunomiya
ADTW = Hiko Kaihatsu Jikkendan	
ARW = Koku Kyunandan	FTS = Kyoiku Hikotai
FTW = Hiko Kyoikudan	

**C-1**

08-1030	o/h RJNG	nb, ex 402 Hikotai	<b>8030</b>	oct21
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**C-2**

18-1213	402 Hikotai	badge applied	<b>13</b>	oct21
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**KC-46A**

21-46401	Boeing	to be 14-3611	66585/1207	oct21
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The first KC-46A for the Japan Air Self-Defense Force (JASDF) arrived at Yonago-Miho Air Base on 29 October 2021. The tanker with its FMS serial 21-46401 applied, call-sign RCH046, was flown non-stop from Seattle-Boeing Field (WA) to its new base where it will be operated by 405 Hikotai under 3 Yuso Kokutai, joining co-based C-2 transport unit 403 Hikotai. For the moment it is unknown if the aircraft will be tested by the Gifu test unit Hiko Kaihatsu Jikkendan, as was the case with the induction of the KC-767, or will be flown by 405 Hikotai with immediate effect.

**KC-130H**

95-1083	401 Hikotai	ex IRAN	<b>5172</b>	oct21
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Seen on 28th October in Stans: the first PC-24 for the Qatar Emiri Air Force, QA397, 247). It is temporarily registered as HB-VZA, ready to do a test flight. Meanwhile, the flag of Qatar in the tail and the description 'Qatar Emiri Air Force' under the cockpit window are now covered to hide its destination. (Stans/Buochs, 29 September 2021, Stephan Widmer)

Returned from overhaul at Gifu at the end of September and is still in the old camo colours.

F-2A				
63-8501	ADTW	ex IRAN	<b>1001</b>	oct21
03-8507	3 Hikotai	ex nb after IRAN	<b>1007</b>	oct21
43-8525	ex 3 Hikotai?	nb? IRAN? At RJNA	<b>1025</b>	oct21
63-8538	3 Hikotai	nb, delivery after IRAN	<b>1038</b>	oct21
03-8555	8 Hikotai	ex nb after IRAN(apr21)	<b>1055</b>	oct21
13-8561	3 Hikotai	ex IRAN	<b>1061</b>	oct21
13-8562	3 Hikotai	nb, delivery after IRAN	<b>1062</b>	sep21

F-2B				
23-8111	21 Hikotai	ex ADTW	<b>3011</b>	oct21
23-8113	o/h RJNA	nb, ex 21 Hikotai	<b>3013</b>	oct21
33-8119	3 Hikotai	ex 6 Hikotai	<b>3019</b>	oct21
33-8124	o/h RJNA	nb, ex 21 Hikotai	<b>3024</b>	oct21

F-2B 119 only operated with 6 Hikotai for one month.

F-15DJ				
22-8056	305 Hikotai	ex 23 Hikotai	<b>722/006</b>	sep21
12-8074	201 Hikotai	ex IRAN	<b>024</b>	oct21
82-8092	o/h RJNA	nb, ex 203 Hikotai	<b>042</b>	oct21

F-15J				
52-8851	o/h RJNA	nb, ex 305 Hikotai	<b>051</b>	oct21
62-8869	204 Hikotai	ex nb after IRAN	<b>069</b>	oct21
62-8873	304 Hikotai	ex IRAN(jun21)	<b>073</b>	oct21
72-8885	23 Hikotai	nb, delivery after IRAN	<b>085</b>	sep21
72-8890	304 Hikotai	ex nb after IRAN	<b>090</b>	oct21
82-8899	204 Hikotai	ex nb after IRAN	<b>099</b>	oct21
82-8901	201 Hikotai	ex 306 Hikotai	<b>101</b>	sep21
02-8916	304 Hikotai	ex nb after IRAN	<b>116</b>	oct20
02-8919	201 Hikotai	ex IRAN	<b>119</b>	oct21
12-8923	o/h RJNA	nb, ex 201 Hikotai	<b>123</b>	oct21
52-8954	304 Hikotai	nb, delivery after IRAN	<b>154</b>	oct21
72-8960	306 Hikotai	nb, delivery after IRAN	<b>160</b>	oct21

F-15J Mod.				
92-8912	306 Hikotai	ex nb after IRAN	<b>112</b>	oct21

F-35A				
19-8726	302 Hikotai	badge applied	<b>AX-26</b>	oct21
19-8727	301? Hikotai	del. to RJSM, ex MHI	<b>AX-27</b>	oct21
19-8728	302? Hikotai	del. to RJSM, ex MHI	<b>AX-28</b>	oct21

UH-60J				
88-4587	ARW	IRAN, testing	<b>2037</b>	oct21

A photo on twitter showed the hulks of six unidentified UH-60Js at Nagoya-Komaki. They are located just north-east

of the threshold of runway 16, on the ramp near six small hangars. We believe at least twelve of the oldest UH-60Js are withdrawn.

T-4				
66-5602	ADTW	ex IRAN	<b>1002</b>	oct21
06-5638	13 FTW	ex IRAN(apr21)	<b>1038</b>	oct21
06-5640	13 FTW	ex IRAN	<b>1040</b>	sep21
06-5650	1 Kokudan	nb, delivery after IRAN	<b>1050</b>	oct21
46-5715	31 FTS	nb, delivery after IRAN	<b>1115</b>	sep21
46-5723	o/h RJNG	nb, ex 3 Hik, 301 Hik	<b>1123</b>	oct21
56-5741	306 Hikotai	active after grounding	<b>1141</b>	oct21
86-5769	13 FTW	grey c/s, ex IRAN?	<b>1169</b>	sep21
16-5795	31 FTS	ex IRAN	<b>1195</b>	oct21
26-5806	o/h RJNG	nb, ex 31 FTS	<b>1206</b>	oct21

T-4 723 was seen active with 301 Hikotai at Hyakuri in October 2017. Then it was not noted for a long time, partly due to the grounding of the type. Beginning October 2021 it was seen with a 3 Hikotai badge which was removed on 15 October when it departed to and arrived at Gifu. T-4 769 operated for Rinji F-35A Hikotai up to November 2018 and was noted without badge at Misawa beginning of April 2021. It was probably overhauled at Gifu before ending up at Ashiya, however we have no proof of its possible time at Gifu.

T-7				
36-5903	o/h RJTU	nb, ex 11 FTW	<b>3</b>	oct21
56-5930	11 FTW	ex IRAN	<b>30</b>	sep21
66-5943	o/h RJTU	nb, ex 12 FTW	<b>43</b>	oct21

T-400				
41-5055	41 FTS	last ferry RJOH-RJNH	<b>TX-5</b>	oct21

By the time you read this, 41 Kyoiku Hikotai has finally come under control of 1 Kokudan at Hamamatsu. Official ceremony was scheduled to take place on 29 October. We originally had the impression the move had already started in April 2021 when seven T-400s arrived at Hamamatsu. However most if not all departed again later in the week and although T-400 training-operations became more frequent, the actual move from Miho to Hamamatsu was not effectuated. However beginning October, T-400 51-5056 did not depart Hamamatsu and was seen the next day with a new badge. This is a smaller version of the black/yellow checkers badge of the resident T-4 units, now with a green line bordering the badge at the bottom. During the month several T-400s were seen arriving without any badge and by 22 October, 12 T-400s were seen

on the platform west of the T-4 hangars and ramp area. Last T-400 to arrive, completing the total complement of 13 was 41-5055 on the day before the ceremony. Knowing Japanese efficiency probably all T-400s had received the new badge on the day of the command change.

#### Rikujo Jieitai (AR)

RJNG = Gifu RJTU = Utsunomiya

#### AH-1S

73431	4 Taisen.Her?	no code, del. after IRAN	<b>31</b>	oct21
73447	o/h RJTU	no code, ex SD	<b>47</b>	oct21
73478	VATH	ex TDY Koku Gakko	<b>78</b>	sep21
73479	IVATH	ex IIIATH	<b>79</b>	oct21

#### UH-1J

41868 UtsunomiyaKou no SU code **1J68** oct21

#### OH-6D

31312/X Shibata-shi ex store 6766 oct21  
Preserved at the Shirakabe Barracks Public Relations Museum in the Niigata prefecture.

#### H-19C

40001/H Tokorozawa-shi to be b/u? **55690** nov18

This long time resident of the Tokorozawa Aviation Museum is rumoured to be removed from the museum before the end of the year to be scrapped. It is now deemed to be a health hazard as the frame contains asbestos. The same fate seems to fall on the V-44A below.

#### CH-47JA

52917	HGPV	toned down badge	<b>5024</b>	oct21
52953	HGPVI	ex WH	<b>5052</b>	sep21
52957	o/h RJNG	nb/no code, ex XVH	<b>5057</b>	oct21
52959	HGPV	ex T IX	<b>5059</b>	oct21
52961	HGPVI	ex T IX	<b>5061</b>	oct21
52987	Kawasaki HI	f/n, coded HGPIII	<b>510x</b>	oct21

It looks like both? Takayubaru units (WH and T IX codes) only operate a small number of Chinooks, unless the units now also operate the older CH-47J version, as these became redundant after the four Kisarazu units stopped operating them. By the way, we are not sure at all that 109 Hikotai (T IX code) has Takayubaru as its operating base. It could be at another JGSDF camp somewhere on Kyushu, however most sightings of this unit were at Takayubaru.

#### UH-60JA

43127/27 IHB TDY Akeno Koku Gak. **4027** oct21

#### US-2

9908 Shin Maywa f/n **4008** oct21

#### V-44A

50002/H Tokorozawa-shi to be b/u? **42-20** oct21

#### Kaijo Jieitai (NY)

KUL = Kuala Lumpur

RJTL = Shimofusa

RJNA = Nagoya-Komaki

ATS = Kyoiku Kokutai

#### SH-60J

8286 51 Kokutai ex 24 Kokutai **1076** sep21

#### UH-60J

8973 22 Kokutai ex IRAN(jan19) **3013** oct21

#### SH-60K

8449	o/h RJNA	no unit no, ex 21 Kok.	<b>5049</b>	oct21
8472	22 Kokutai	delivery, ex MHI	<b>5072</b>	sep21
8474	Mitsubishi HI	f/n, test at RJNA	<b>5074</b>	oct21

#### USH-60K

8901 o/h RJNA no unit no, ex 51 Kok. **5001** oct21

Fooled by the Japanese! The XSH-60L prototype is NOT the modified USH-60K 8901, as this one was seen on 22 October (and later) at Nagoya on a test-flight. It is still in the red/white colours, exactly matching those of XSH-60L 8501, only it has the JMSDF titles applied. It could be one of the future UH-60Ks the JMSDF has requested to temporarily strengthen its remaining UH-60J fleet.

#### XSH-60L

8501	ATLA	ex MHI	oct21
8502	ATLA	ex MHI	oct21

Both were handed over to the MoD's ATLA (Acquisition, Technology & Logistics Agency) on 28 September and flown to Atsugi the next day. After all tests are performed satisfactorily, the helicopters will be handed over to 51 Kokutai.

#### P-3C

5036	5 Kokutai	ex IRAN? At KUL	<b>9033</b>	oct21
5059	5 Kokutai	ex IRAN? At KUL	<b>9056</b>	oct21
5065	2 Kokutai	ex 203 ATS	<b>9062</b>	sep21
5071	5 Kokutai	ex store RJTL? At KUL	<b>9068</b>	oct21
5080	o/h Nippi	no unit no, ex 2 Kokutai	<b>9077</b>	sep21
5081	5 Kokutai	at KUL	<b>9078</b>	oct21
5086	203 ATS	no unit no	<b>9083</b>	oct21
5087	203 ATS?	no unit no, at RJTL	<b>9084</b>	oct21
5091	5 Kokutai	ex IRAN	<b>9088</b>	oct21
5095	5 Kokutai	unit confirmed	<b>9092</b>	sep21

Four Orions were recently seen at Kuala Lumpur, two of these were thought to have just begun their overhaul at Nippi and one was seen at Shimofusa in May 2021, missing an engine.

#### Kaijō Ho'an-chō (CG)

#### Beech 350

JA861A/MA861 2nd Region ex 1st Region **FL-180** oct21

Was operated by 1st Region with the name Etopirika but noted at Akita with the name Hakutaka. This means it has changed regions and is now flown from Sendai by 2nd Region.



On the morning of 30 September 2021, Royal Saudi Air Force RE-3A, 1901 from 19 Sqdn arrived at RAF Waddington for a night stop on the way to the USA for rework. This is a very rare beast in the UK and in fact this part of the world. (1 October 2021, Martin Fox)



## Philippines

Hukbong Himpapawid NG Pilipinas (AF)

### C-130J

The House of Representatives has approved the acquisition of five new C-130J Hercules aircraft. A year ago the search for money for these planes had already started and now the budget seems to be approved.

## South Korea

Dae Han Min Guk Gong Gun (AF)

### CN235-220M

20-048 258 TATS new grey c/s **N048** sep21  
In the repaint process also the badge lost its colours and it is now in shades of black.

### KF-5E

10-561 reregistered as 81-561 **KE1004** feb20  
10-615 reregistered as 81-615 **KE1038** feb20  
81-561 10 FW/101 FS f/n with this serial **KE1004** sep21  
81-615 10 FW no badge after IRAN **KE1038** sep21

In Scramble 503 – page 63 we were wondering about a possible paint-job mistake for KF-5E 10-622, painted as 81-622. Apparently not a one off as three more KF-5s were reregistered.

### KF-5F

10-604 re-serialled as 81-604 **KF1011** dec20  
81-604 10 FW no badge after IRAN **KF1011** sep21

## Thailand

Royal Thai Air Force (AF)

### DA42M MPP

TF20-14/63/40216 aug21

### F-16A/B ADF

On 23 September a transfer ceremony took place at 1 Wing at Khorat for all F-16 A/B ADFs (“Aircraft Type 16”) flying with 102sq. Starting 1 October all former 102sq F-16s will be flying for 103 squadron that is also based at Khrat. Where 103sq operates the F-16s that were delivered from factory in the eighties, 102sq received there aircraft starting 2002 after they were selected from the AMARC inventory and were upgraded to the ADF version before delivery

### Bell 412

H6Kh-1/25 wfu 19oct21 **33035**  
H6Kh-2/25 wfu 19oct21 **33039**

### Bell 412SP

H6Kh2-1/34 wfu 19oct21 **36010**  
H6Kh2-2/34 wfu 19oct21 **36021**  
H6Kh2-3/34 wfu 19oct21 **36025**

In October the first two versions of the Bell 412s were withdrawn from use, leaving only the Bell 412EP version operational. The Farewell and Decommissioning ceremony took place at 202sq at Lopburi, as all Bell 412 helicopters had been taken over from 201sq in 2020. As can be derived from the serial suffix, the helicopters were delivered in 1982 and 1991 and now only the Bell 412EP version is still flying within the Air Force.

### H135M

(H13-4/..)/20304 Donauwörth 14jul21 as D-HCBJ **2155**  
(H13-5/..)/20305 Donauwörth 14jul21  
(H13-6/..)/20306 Donauwörth 9sep21

### H225M

(H11-10/64)/20310 o/o **3092**  
(H11-11/64)/20311 o/o ex F-ZWDJ sep21

Both helicopters were noted on pre-delivery testing at Marseille

### UH-1H

On 23 September 2021 the discharge ceremony was held at Lop Buri-Khok Kathiam for the UH-1H (Helicopter type 6) within the Air Force. During the ceremony UH-1H H6-2/11

was present in retro c/s with its original code 3212, as well as UH-1s coded 20315, 20318 and 20342. 203sq now only flies the H225 helicopter.

Royal Thai Army (AR)

### Ce182T

075 21st AvBat ex HS-RXA 18283075 aug21  
076 21st AvBat ex HS-RXB 18283075 aug21  
077 21st AvBat ex HS-RXC 18283076

Early 2020 the King provided the Army with three Ce182Ts as a gift. Early 2021 they were noted with a four-digit serial including a leading ‘3’.

Royal Thai Survey Department (RTSD)

### Beech 350i

93311 ex N1227K FL1227 sep21  
This second Beech350i for the RTSD arrived at Don Muang 27 January on de delivery.

## Latin America

### Brazil

Força Aérea Brasileira (AF)

During the portes ouvertes at Luxeuil, two of the F-2000s that were sold to Procor in April 2019 were seen. According to the Deltareflex forum these were F-2000B 4933 and F-2000 4946. The latter was misidentified as 4940 at first, but that one should still be preserved at Anápolis in a special colour scheme.

### A-1A

5524 Guaramiranga ex 1°/16°GAv **BX025** oct21  
It joins AT-26 4570 also preserved here at the Hotel Vale das Nuvens in this Ceara state village.

### Cuba

Defensa Anti-Aérea y Fuerza Aérea Revolucionaria (AF)

MUSC = Santa Clara

### Mi-1

06 f/n photo

### Mi-4

37 f/n photo  
46 f/n photo

### Mi-8TV

H-02 i/a Guanabo f/n, ex pres Havana **31202** oct09  
90 f/n photo

H-02 used to be in the museum in Havana which closed late 2008. The helicopter is now used for instruction at a military training facility at 23.15925 N 82.08315 W, having moved up from a spot just south at the same facility in 2018.

### MiG-15UTI

46 pres MUSC f/n, gone by jul11 photo

### MiG-21R

105 f/n database photo

## Guyana

Guyana Defence Force (DF)

### Bell 412EPI

8R-MIA reg 14mar21 f/n, ex N840MT **37031** mar21  
The helicopter wears the initials of President Mohammed Irfaan Ali as its registration. We learned it is common practice to use the initials of leading politicians or military top brass in 8R-registrations assigned to military aircraft. You could call it a system.

## Mexico

Fuerza Aérea Mexicana (AF)

MMSM = Santa Lucia (MEX)

### PC-9M

2601 pres MMSM ex EA.203 **669** sep21  
The single surviving FAM PC-9 appeared at the newly con-

structured Museo Militar de Aviación here.  
Armada de México – Fuerza Aeronaval (NY)

**Beech C90GTi**

ANX-1196 ex N990TX c/n update **LJ-1990**

**Bo105CB-5**

AMHP-103 pres El Moralillo (VER), ex active jun21

This Bo has found a new spot in El Moralillo, a suburb of Tampico, at 22.22385 N 97.89890 W, just inside Veracruz-Llave state.

Guardia Nacional - Policía Federal (PO)

**EC120B**

PF-306/XC-CPF	reregistered	as GN-322	<b>1142</b>
GN-322/XC-CPF		f/n, ex PF-306	<b>1142</b> sep21
PF-307/XC-DPF	reregistered	as GN-307	<b>1012</b>
GN-307/XC-DPF		f/n, ex PF-307	<b>1012</b> sep21
PF-308/XC-EPF	reregistered	as GN-308	<b>1022</b>
GN-308/XC-EPF		f/n, ex PF-308	<b>1022</b> jun21

Interestingly, PF-306 was registered PF-322 before it became PF-306, and now it became GN-322. New serials are photoproof.

Fiscalía General de la República (PO)

**Beech B200**

XC-LMK to ? sold **BB-1108** jun21

This one was sold at a government auction, buyer and new ID are not yet known.

**G-II**

XC-LPY DGSA f/n, ex N735TG **161** dec18

**Panama**

Servicio Nacional Aeronaval (CG)

**AW139**

AN-139 c/n update **31451**

**AW139M**

AN-145 ex N186MM c/n update **41534**

AN-146 ex N189MM c/n update **41535**

All these were confirmed from official documentation.

**Uruguay**

Fuerza Aérea Uruguaya (AF)

ETA = Escuela Técnica de Aeronáutica 'Tte. Cnel. José A. Rigoli'

SUMU = Montevideo/Intl Carrasco 'Gral. Cesareo L. Berisso'

**Bell 121**

034 o/o ex N845RL **30845** oct21

**UH-1H**

051 i/a ETA f/n, ex std SUMU **12115** oct21

**T-34B**

669 i/a ETA f/n ex Mus.Aeronáutica **BG-224** oct21

Also visible on a Facebook photo is the hulk of a T-34B, that is almost certainly 669 formerly preserved in the museum. The ETA school is at Toledo Sur, North of Carrasco airport.

**North America****Canada**

Royal Canadian Air Force (AF)

CYSU = Summerside (PEI)

**CC-115 (DHC-5A)**

115451 pres CYSU ex 442sq **5** sep21

The Air Force Heritage Park on the site of this former Airbase received a Buffalo on 23 September 2021. It arrived flying. Only three were left in service at the time of writing, with CC-295s still not flying operational missions with 442sq.

**CC-295 (C295MW-SAR)**

295511 Airbus f/n **204** sep21

**United States**

United States Air Force

**A-10C**

78-0670/DM 354th FS ex 357th FS **A10-0290** sep21

**B-1B**

85-0074/DY 309th AMARG ex '9th BS' **34** sep21

85-0077/WA 309th AMARG ex 17th WPS **37** apr21

86-0093/EL 309th AMARG ex 37th BS **53** jun21

86-0123/DY 309th AMARG ex 9th BS **83** jul21

86-0132/DY 309th AMARG ex 28th BS **92** may21

86-0135/DY 337th TES ex DY/28th BS **95** sep21

**EC-37B**

... o/o Gulfstream f/n **5567** aug21

**C-130H**

74-1688 i/a Lakehurst ex 186th AS **382-4675** sep21

74-2065 pres Schenectady (NY) **382-4667** sep21

74-2134 164th AS ex 118th AS **382-4735** sep21

84-0208 139th AS ex 142nd AS **382-5046** sep21

91-1231 142nd AS ex 165th AS **382-5278** aug21

91-1232 142nd AS ex 165th AS **382-5282** jul21

91-1233 142nd AS ex 165th AS **382-5283** jul21

91-1234 142nd AS ex 165th AS **382-5284** jul21

91-1235 142nd AS ex 165th AS **382-5285** aug21

91-1236 142nd AS ex 165th AS **382-5286** aug21

91-1238 142nd AS ex 165th AS **382-5288** aug21

**C-130J-30**

17-5867 181st AS ex 41st AS **382-5867** oct21



The fleet of USAF C-146s is quite active in Asia. Paya Lebar was visited by 10-3077 on 10 September 2021. (Hans Jacobs)





On 4 October, fifteen F-15Es arrived at RAF Lakenheath from the 4th Fighter Wing at Seymour Johnson. They included this Eagle, 88-1680/SJ carrying the unusual marks of the 4th Training Squadron which is not common on this side of the Atlantic. Presumably, the deployment to the Middle East to take over from the current Lakenheath detachment, is by the 336th FS as most of the crews were wearing yellow flight helmets. (Martin Fox)

<b>MC-130J</b>				
14-5805	67th SOS	ex 9th SOS	<b>382-5805</b>	sep21
<b>KC-135R</b>				
60-0333/D	351st ARS	ex 92nd ARW	<b>18108/T0427</b>	sep21
63-7982	909th ARS	ex 92nd ARW	<b>18599/T0638</b>	oct21
<b>F-16DM-52-CF</b>				
91-0478	157th FS	ex WA 16th WPS	<b>CD-33</b>	oct21
<b>F-35A-3I</b>				
14-5101	60th FS	ex HL/421st FS	<b>AF-102</b>	oct21
14-5105	60th FS	ex HL/421st FS	<b>AF-106</b>	oct21
15-5124	60th FS	ex HL/421st FS	<b>AF-115</b>	oct21
<b>F-35A-4</b>				
18-5458/AK	355th FS	del 09sep21	<b>AF-286</b>	sep21
18-5459/AK	355th FS	del 09sep21	<b>AF-287</b>	sep21
19-5460/AK	355th FS	del 09sep21	<b>AF-288</b>	sep21
19-5461/AK	355th FS	del 19oct21	<b>AF-289</b>	oct21
19-5462/AK	355th FS	del 19oct21	<b>AF-290</b>	oct21
19-5463/AK	355th FS	del 19oct21	<b>AF-291</b>	oct21
19-5464/AK	355th FS	del 19oct21	<b>AF-292</b>	oct21
19-5466/AK	355th FS	del 25oct21	<b>AF-294</b>	oct21
19-5467/AK	355th FS	del 25oct21	<b>AF-295</b>	oct21
19-5468/AK	355th FS	del 25oct21	<b>AF-296</b>	oct21
19-5470/AK	355th FS	f/f 06oct21	<b>AF-298</b>	oct21
19-5471/HL	421st FS	f/n	<b>AF-299</b>	oct21
19-5472	nmks	f/n	<b>AF-300</b>	oct21
19-5474/LN	495th FS	f/f 25oct21	<b>AF-302</b>	oct21
19-5538/HL	4th FS	del 06oct21	<b>AT-19</b>	oct21
19-5539/HL	4th FS	del 06oct21	<b>AT-20</b>	oct21
19-5540/HL	34th FS	del	<b>AT-21</b>	oct21
<b>HH-60G</b>				
05-27051	210th RQS	ex 129th RQS	<b>70....</b>	sep-21
<b>HH-60W</b>				
14-14483	512th RQS	ex 413th FTS	<b>EDM-4/70...</b>	sep-21
<b>HH-60G</b>				
89-26212/AV	pres Aviano	ex 56th RQS	<b>701452</b>	oct21
<b>MQ-9A-1</b>				
11-4159/CH	432nd Wing	ex HO/9th ATKS	<b>PB-159</b>	sep-21

United States Army (AR)

Between 2 November 1984 and 8 November 1985, the United States Air Force in Europe accepted fourteen C-23A Sherpa transport aircraft. All were assigned to the 10th Military Airlift Squadron at Zweibrücken AB in what was then called West Germany. These aircraft became a common sight at all

USAFE Airbases in Europe and were perhaps best known by their call sign 'Pockey'. After the end of the Cold War, the US military reduced their footprint in Europe and the 10th MAS stopped flight operations and was deactivated on 31 March 1991.

Eight of the C-23A aircraft were handed over to the United States Army and they were used by various support and test units in the Continental United States. Aircraft 84-0463 and 84-0467 were amongst these eight, and they were allocated serials 84-00463 and 84-00467 by the United States Army. They were both used by the US Army Missile Command (MICOM) at Redstone Arsenal (AL) in a support role for various trials. Later on, both were passed on to the Intelligence and Information Warfare Directorate Flight Activity (I2WD FltAct) at NAS Lakehurst (NJ). Most likely both were withdrawn from use by 2013, and the pair was last confirmed stored at this facility in September 2019.

On Friday 8 October 2021, they made their final journey. Not by air but loaded onto fled-bed trucks the aircraft were transported to the Red Bank Recycling & Auto Wreckers company in Red Bank (NJ). It is expected that both will be scrapped there in the near future.

On 10 October 2021, it was announced that Boeing was awarded a \$391 million contract to build the first five Lot I CH-47F Block II Chinook helicopters for the US Army. Funds will be drawn from the FY21 budget for this purchase. The US Army previously stated that they did not want to purchase CH-47F Block II helicopters in order to free up funds for their future vertical lift projects aimed at replacing the AH-64 Apache attack and UH-60 Black Hawk assault helicopters. They did commit to replace the MH-47G Special Forces Chinook helicopters by improved MH-47G Chinook Block II examples. Twenty-four of which are currently on order. But they did not have the intention to replace the current regular army CH-47F Chinook fleet by Block II variants. Besides lack of funds, the US Army vision for future vertical lift capabilities judged the CH-47F Block II lacking in speed and range to keep up with the new attack and assault helicopters.

The US Army however was overruled by the US Congress and lawmakers ensured that funds would be available for the first five Block II helicopters to be purchased. These helicopters are slated to be delivered by 2025. Boeing currently is

working on solving some technical problems which surfaced during testing of the CH-47F Block II prototypes. Excessive vibrations were reported during test flights from the new Advanced Chinook Rotor Blades. The US Army classified this as a safety of flight risk, while Boeing tends to disagree and refers to this as minor problems. Either way, Boeing also stated to be committed to resolve these issues and they were confident that this would not delay delivery or introduction of the five helicopters on order.

We just realized that we did not yet mention the delivery of six HH-60M helicopters to the US Army in Europe and Africa (USAREUR-AF). They were delivered on board USAF C-17A aircraft to Wiesbaden AAF (Germany) in two batches of three aircraft each. All six were subsequently delivered to C/1-214th AVN at Grafenwöhr (Germany) where they replaced a similar number of UH-60A+ aircraft. Word has it that it that six more HH-60Ms will be delivered to this unit, increasing its compliment to twelve helicopters.

C-17A 03-3119 183rd AS MS ANG arr 27jul21, dep 28jul21  
Unloaded HH-60M 20-21128, 20-21129 and 20-21130  
Loaded UH-60A+ 83-23863, 84-23936 and 89-26163

C-17A 06-6164 60th AMW arr 17sep21, dep 18sep21  
Unloaded HH-60M 20-21131, 20-21132 and 20-21133  
Loaded UH-60A+ 85-24446, 87-24614 and 87-26004

Between April 2021 and June 2021, the seventh UH-60A+ assigned to C/1-214th AVN was shipped back to the Continental United States (CONUS). This was helicopter 85-24397, which was allocated to BEST at Huntsville (AL) on 28 June 2021.

On 7 September 2021, Airbus North America delivered the first UH-72B Lakota helicopter to the United States Army. In total eighteen of these helicopters are on order. All are slated to be delivered to the United States Army National Guard (ARNG), but this first example was initially delivered to Huntsville (AL) for trials with the Aviation Flight Test Directorate (AFTD).

Additional Lakota news was published on 11 October 2021. On this day the UH-72A fleet surpassed the 1 million flying hours mark. The first UH-72A Lakota was delivered in 2006, and in total 463 of these helicopters were delivered to the US Army. About 45% of the Lakota fleet is used by 1-223rd AVN at Fort Rucker (AL) for helicopter pilot training.

On 8 October 2021, the US Army officially unveiled the first six UH-60V Black Hawk helicopters which were delivered. This ceremony took place at Fort Indiantown Gap (PA) where all six were delivered to the Eastern Army National Guard Aviation Training Site (EAATS) between 27 and 31 July 2021. The UH-60V is an upgrade program for older UH-60L helicopters. The digitalized cockpit has similar features as the UH-60M, reducing the pilot's workload and increasing situational awareness. The upgrade work is executed by the US Army itself at the Corpus Christi Army Depot (CCAD) in Texas. The first production UH-60V example performed its first flight on 11 September 2020, and was subsequently delivered to the Aviation Flight Test Directorate (AFTD) at Huntsville (AL) for trials.

The US Army announced that the first operational unit to be equipped with the UH-60V will be 1-106th AVN IL ARNG during the summer of 2022. In total 760 UH-60L helicopters are planned to be converted to UH-60V standard. Even though not specifically mentioned, several of these will be former UH-60A helicopters which previously underwent A to L conversion and are thus brought to UH-60L standard.

From the various press photos these UH-60V helicopters were confirmed with EAATS: 92-26435, 95-26662, 00-26871 and 05-27042. Based on ADSB data, 91-26349 is also a likely

candidate. It was confirmed with CCAD at Corpus Christi (TX) in March 2019 and again in July 2021. It showed up on ADSB flying together with some of the other (confirmed) UH-60V helicopters recently.

Other helicopters confirmed as converted to UH-60V standard are: 90-26242 (oct20), 90-26252 (dec20), 90-26302 (nov20) and 95-26646 (oct19). All four were used by AFTD for trials, with their the last noted dates in brackets behind each serial.

End-September, a rotation of the UH-72A helicopters and units deployed to the US-Mexico border area took place. Returning back home were the elements of 2nd Battalion, 151st Aviation Regiment from the Army National Guards of Florida, Georgia, North Carolina, South Carolina and Virginia. These units were deployed since October 2020. In return, 1st Battalion, 376th Aviation Regiment deployed their elements from Illinois, Indiana, Iowa, Missouri and Nebraska to the border region. Based on ADSB, the following movements took place:

#### Returning home:

A(-)/2-151st AVN SC ARNG: 09-72091, 09-72094  
Det.1 A/2-151st AVN VA ARNG: 09-72124, 11-72227  
B(-)/2-151st AVN FL ARNG: 07-72039, 08-72044, 14-72318  
Det.1 B/2-151st AVN NC ARNG: 08-72048, 08-72049, 12-72246  
Det.1 C/2-151st AVN GA ARNG: 10-72133, 10-72135

#### Deploying to the border region:

A(-)/1-376th AVN NE ARNG: 07-72037, 12-72240  
Det.1 A/1-376th AVN IA ARNG: 08-72046, 09-72114, 12-72243, 12-72244  
B(-)/1-376th AVN MO ARNG: 09-72092, 12-72263, 13-72299  
Det.1 B/1-376th AVN IL ARNG: 12-72268, 12-72269

A/1-5th AVN Polk AAF, Fort Polk (LA)  
4-6th CAV currently deployed to South Korea  
6-6th CAV Wheeler Sack AAF, Fort Drum (NY)  
2-10th AVN Wheeler Sack AAF, Fort Drum (NY)  
B/3-10th AVN Wheeler Sack AAF, Fort Drum (NY)  
C/3-10th AVN Wheeler Sack AAF, Fort Drum (NY)  
1-14th AVN Hanchey AHP, Fort Rucker (AL)  
6-17th CAV Butt AAF, Fort Carson (CO)  
7-17th CAV Hood AAF, Fort Hood (TX)  
B/1-52nd AVN Ladd AAF, Fort Wainwright (AK)  
A/6-52nd AVN NAS Fort Worth JRB  
2-82nd AVN Simmons AAF, Fort Bragg (NC)  
Det.2 G/2-104th AVN WI ARNG, AASF#1 West Bend MAP (WI)  
B/1-106th AVN IL ARNG, AASF Kankakee, Greater Kankakee Airport (IL)  
G(-)/1-111th AVN KS ARNG, AASF#1 Forbes Field Airport, Topeka (KS)  
C(-)/1-112th AVN WA ARNG, LAASF Fairchild AFB, Spokane (WA)  
A/3-126th AVN MA ARNG, AASF#1 JB Cape Cod, Camp Edwards (MA)  
Det.1 G/3-126th AVN DC ARNG, AASF Davison AAF, Fort Belvoir (VA)  
NC ARNG, AASF#1 Raleigh-Durham IAP (NC)  
1-130th AVN NV ARNG, LAASF North Las Vegas (NV)  
Det.1 B/3-140th AVN ME ARNG, AASF Bangor IAP (ME)  
Det.2 C/3-142nd AVN NJ ARNG, AASF#1 Lakehurst, NAES Lakehurst-Maxfield Field (NJ)  
1-150th AVN SC ARNG, AASF#1 McEntire JNGS (SC)  
1-151st AVN WA ARNG, ASF Lewis, Grey AAF, Fort Lewis (WA)  
B(-)/1-168th AVN OK ARNG, AASF#1 Muldrow AHP, Lexington (OK)  
Det.1 C/1-169th AVN Grafenwöhr AAF (Germany)  
C/1-214th AVN MD ARNG, AASF Weide AHP,  
C/2-224th AVN Aberdeen Proving Ground (MD)  
1-229th AVN Grey AAF, Fort Lewis (WA)  
Det.2 C/2-238th AVN SC ARNG, AASF#4 Greenville Donaldson Center Airport (SC)  
1-501st AVN Biggs AAF, Fort Bliss (TX)  
B/2-501st AVN Biggs AAF, Fort Bliss (TX)  
C/2-501st AVN Biggs AAF, Fort Bliss (TX)  
3-501st AVN Biggs AAF, Fort Bliss (TX)





While on a visit to Stratton ANG Base to photograph LC-130s, Raymond Rivard visited the Empire State Aerosciences Museum located on Schenectady County Airport, near Albany, NY. They have a very good collection of aircraft there. Capturing the photographer's interest was this Operation Credible Sport (ed. attempt to free hostages in Iran in 1980) YMC-130H 74-1686 being restored. (16 September 2021)

AFTD Aviation Flight Test Directorate at Huntsville (AL)  
 BEST BEST Aircraft Consolidation Facility at 248 Dunlop Blvd, Huntsville (AL)  
 Boeing Mesa Boeing at Mesa (AZ)

**C-23A**  
 84-00463 std Red Bank (NJ), ex std KNEL **SH3110** oct21  
 84-00467 std Red Bank (NJ), ex std KNEL **SH3114** oct21

**UC-35A1**  
 96-00110 A/6-52nd, ex UC-35 det M-East **560-0420** aug21  
 Having been deployed to the Middle East since June 2020, 96-00110 returned home to A/6-52nd AVN mid-August 2021.

**CH-47F**  
 07-08735 B(-)/1-168th AVN, ex PA ARNG **M8735** sep21  
 14-08167 B/2-501st AVN see note **M8167** aug21  
 15-08193 B/3-10th AVN ex B/2-4th AVN **M8193** jun21  
 16-08480 B/1-52nd AVN f/n **M8480** aug21

Chinook 14-08167 was last confirmed with B/2-10th AVN in September 2018, it was next reported with B(-)/2-238th AVN IL ARNG in July 2020. This last report however requires confirmation. Either way, it was confirmed with B/2-501st AVN by August 2021.

**EH-60A**  
 86-24514 std BEST ex C/2-224th AVN **701013** jun21

**UH-60A**  
 79-23269 to Afghanistan as 23269, ex std BEST **70086**  
 81-23555 std BEST ex nb **70276** jul21  
 81-23585 std BEST see note **70306** sep21  
 81-23596 std BEST, ex Det.2 G/2-104th AVN **70318** sep21  
 81-23610 std BEST ex C/2-224th AVN **70332** jun21  
 81-23614 std BEST ex A/3-126th AVN **70336** jun21  
 81-23619 std BEST ex G(-)/1-111th AVN **70341** jul21  
 82-23682 std BEST, ex Det.1 C/3-142nd AVN **70505** jul21  
 82-23695 std BEST ex B/1-106th AVN **70518** sep21  
 82-23713 std BEST ex A/3-126th AVN **70536** jul21  
 82-23739 std BEST, ex Det.1 C/1-169th AVN **70562** mar21  
 82-23760 std BEST, ex Det.1 G/3-126th AVN **70585** sep21  
 83-23863 std BEST ex nb **70688** aug21  
 83-23878 std BEST, ex Det.1 A/1-169th AVN **70703** sep21  
 84-23955 Det.2 C/2-238th AVN, ex nb **70780** aug21  
 84-23979 std BEST ex A/1-150th AVN **70816** jun21  
 85-24390 std BEST ex AFTD **70864** sep21

The last report of 79-23269 dates back to October 2020. It was then seen with BEST at Huntsville (AL) where it was being prepared for delivery to Afghanistan. It is confirmed as abandoned at Kabul. After attention with CCAD at Corpus Christi

(TX), 81-23585 was delivered to the US Navy Test Pilot School (USNTPS) at NAS Patuxent River (MD) where it was allocated code 62. It was assigned to BEST on 1 September 2021, and offered for sale via the GSA in October 2021.

**UH-60A+**  
 81-23604 to Afghanistan as 23604, ex std BEST **70326**  
 82-23863 dep to CONUS, ex C/1-214th AVN **70688** jul21  
 84-23936 dep to CONUS, ex C/1-214th AVN **70761** jul21  
 85-24397 dep to CONUS, ex C/1-214th AVN **70873** '21  
 85-24446 dep to CONUS, ex C/1-214th AVN **70935** sep21  
 87-24614 dep to CONUS, ex C/1-214th AVN **701137** sep21  
 87-26004 dep to CONUS, ex C/1-214th AVN **701214** sep21  
 89-26163 dep to CONUS, ex C/1-214th AVN **701402** jul21

On 27 December 2017, 81-23604 was offered for sale to US Government Agencies, it was not seen anymore until it was reported abandoned at Bagram AB (Afghanistan) recently. Some of the former C/1-214th AVN medevac Blackhawks have surfaced again with BEST at Huntsville (AL):  
 83-23863 offered to US Gvmt Agencies on 23aug21  
 84-23936 offered for sale by auction via GSA in oct21  
 85-24397 offered for sale by auction via GSA in jul21  
 89-26163 offered for sale by auction via GSA in aug21 and again in sep21

**UH-60L**  
 93-26481 A/1-5th AVN ex nb jan21  
 98-26817 A/2-227th AVN c/n confirmed **702473** sep21  
 01-26879 Det.2 C/2-238th AVN, ex nb jan21

**HH-60M**  
 12-20504 C/2-501st AVN ex C/3-10th AVN **704146** jan21  
 ..-20610 C/2-501st AVN ex nb nov20  
 14-20681 C/2-501st AVN ex nb **704363** oct20  
 20-21128 C/1-214th AVN del 27jul21 jul21  
 20-21129 C/1-214th AVN del 27jul21 jul21  
 20-21130 C/1-214th AVN del 27jul21 jul21  
 20-21131 C/1-214th AVN del 17sep21 jul21  
 20-21132 C/1-214th AVN del 17sep21 jul21  
 20-21133 C/1-214th AVN del 17sep21 jul21

Both 20610 and 20681 were last reported with C/2-3rd AVN in 2017.

**UH-60M**  
 ..-20043 3-501st AVN ex 2-10th AVN feb21  
 ..-20049 3-501st AVN ex 2-10th AVN feb21  
 07-20050 3-501st AVN ex 2-10th AVN feb21  
 07-20052 3-501st AVN ex 2-10th AVN feb21  
 07-20056 3-501st AVN ex 2-10th AVN **703060** jan21  
 07-20060 3-501st AVN ex 2-10th AVN **703068** jan21

07-20066	3-501st AVN	ex 2-10th AVN	<b>703083</b>	jan21
07-20067	3-501st AVN	ex 2-10th AVN		jan21
..-20087	2-82nd AVN	ex nb		sep21

In addition to these confirmed transfers to 3-501st AVN several other aircraft are suspected to be in use by this unit since early-2021. Based on ADSB report the following examples seem to be fly out of Biggs AAF, Fort Bliss (TX):

**ex 4-3rd AVN:** 13-20573, 13-20581, 13-20588, ..-20637, 14-20648, 14-20651 and 14-20657

**ex 2-10th AVN:** ..-20044, ..-20045, 07-20053, 07-20054, ..-20055, ..-20072, 07-20081 and 12-20542

**ex nb:** 10-20330 and 16-20839

With thanks to the AH-64 Apache Research Group for this information!

#### UH-60V

92-26435	EAATS	ex UH-60L		jul21
95-26662	EAATS	ex UH-60L		jul21
00-26871	EAATS	ex UH-60L		jul21
05-27042	EAATS	ex UH-60L		jul21

#### AH-64D

04-05445	1-151st AVN	ex 6-6th CAV	<b>PVD445</b>	apr21
07-07036	1-501st AVN	ex 6-17th CAV	<b>DUS036</b>	jan21
09-05598	1-501st AVN	ex nb	<b>PVD598</b>	jan21
09-05614	4-6th CAV	ex 2-6th CAV	<b>PVD614</b>	jun21
09-05638	1-501st AVN	ex nb	<b>PVD638</b>	jun21
09-05661	4-6th CAV	ex 2-6th CAV	<b>PVD661</b>	jun21
09-05668	1-130th AVN	ex 1-151st AVN	<b>PVD668</b>	jun21
11-05701	4-6th CAV	ex 2-6th CAV	<b>PVD701</b>	jun21
11-05706	1-130th AVN	ex 1-151st AVN	<b>PVD706</b>	jun21
11-05711	4-6th CAV	ex 2-6th CAV	<b>PVD711</b>	jun21

#### AH-64E

12-09039	1-227th AVN	f/n	<b>B3039</b>	sep21
16-03088	7-17th CAV	f/n	<b>NM088</b>	apr21
16-03091	7-17th CAV	f/n	<b>NM091</b>	jun21
16-03103	7-17th CAV	f/n	<b>NM103</b>	sep21
17-03126	7-17th CAV	f/n	<b>NM126</b>	sep21
17-03127	7-17th CAV	ex 1-101st AVN	<b>NM127</b>	may21
17-03176/76D	1-14th AVN	ex Boeing Mesa	<b>NM176</b>	sep21
18-03200	7-17th CAV	ex 1-229th AVN	<b>NM200</b>	sep21
18-03206	7-17th CAV	ex Boeing Mesa	<b>NM206</b>	sep21

As previously reported by Scramble, the first unit to receive the upgraded AH-64E Version 6 is 1-229th AVN at Grey AAF, JB Lewis-McChord (WA). With a big thanks to the Apache Research Group, we can present the following overview of the twenty-four helicopters assigned to this unit. But before going into detail on the serials, first an overview of the Order of Battle.

16th Combat Aviation Brigade (CAB)  
229th Aviation Regiment (AVN)  
1-229th AVN (ARB)  
A/1-229th AVN (AR)  
B/1-229th AVN (AR)  
C/1-229th AVN (AR)

*Born In Battle*  
*Winged Assault*  
*Tigersharks*  
*Serpents*  
*Killer Spades*  
*Blue Max*

Alpha, Bravo and Charlie companies under 1-229th AVN each have eight AH-64E Apache helicopters assigned.

14-03009	B/1-229th AVN	del jul20	<b>NM009</b>
16-03081	C/1-229th AVN	del jul20	<b>NM081</b>
16-03082	A/1-229th AVN	del jul20	<b>NM082</b>
16-03105	C/1-229th AVN	del jul20	<b>NM105</b>
20-03310	C/1-229th AVN	del jan21	<b>NM310</b>
20-03311	C/1-229th AVN	del jan21	<b>NM311</b>
20-03312	B/1-229th AVN	del 25jan21	<b>NM312</b>
20-03313	C/1-229th AVN	del 15jan21	<b>NM313</b>
20-03315	C/1-229th AVN	del 15jan21	<b>NM315</b>
20-03316	B/1-229th AVN	del 25jan21	<b>NM316</b>
20-03317	C/1-229th AVN	del jan21	<b>NM317</b>
20-03318	B/1-229th AVN	del 25jan21	<b>NM318</b>
20-03319	C/1-229th AVN	del jan21	<b>NM319</b>
20-03320	B/1-229th AVN	del jan21	<b>NM320</b>
20-03321	B/1-229th AVN	del 25jan21	<b>NM321</b>
20-03322	A/1-229th AVN	del 02mar21	<b>NM322</b>
20-03323	A/1-229th AVN	del mar21	<b>NM323</b>
20-03324	A/1-229th AVN	del 02mar21	<b>NM324</b>
20-03326	A/1-229th AVN	del 02mar21	<b>NM326</b>
20-03328	A/1-229th AVN	del 26mar21	<b>NM328</b>
20-03329	A/1-229th AVN	del 26mar21	<b>NM329</b>
20-03330	B/1-229th AVN	del 27mar21	<b>NM330</b>
20-03332	A/1-229th AVN	del 26mar21	<b>NM332</b>
20-03333	B/1-229th AVN	del 27mar21	<b>NM333</b>

#### UH-72A

09-72111/11L	1-223rd AVN	see note	<b>9328</b>	apr19
09-72118/18F	1-223rd AVN	corr never coded 18G	<b>9342</b>	
12-72270	C(-)/1-112th AVN, ex Det.1 B/3-140th		<b>9599</b>	may21
19-72429/29K	1-223rd AVN	see note	<b>9815</b>	
19-72432/32H	1-223rd AVN	see note	<b>9818</b>	
19-72441/41C	1-223rd AVN	code confirmed	<b>9828</b>	
19-72443/43B	1-223rd AVN	code confirmed	<b>9830</b>	

Between September 2016 and November 2019, 09-72111 was reported using code 11K, a photo dated April 2019 however shows code 11L. The question now is, if this helicopter ever was coded 11K to start out with, or if it was recoded at some point in time. Either way, the report with code 11L in November 2019 for sure seems to be incorrect.

Concerning 09-72118, various conflicting reports reached us mentioning codes 18F and 18G between November 2016



This F/A-18C recently transferred from VFC-12 Fighting Omars to NAWDAC. It carries an arctic camouflage that VFC-12 has on a few of their jets, but is the first Hornet to carry this camouflage at Fallon. (20 September 2021, Nate Leong)





The Wizards CAG bird showing off the Squadrons colors of black and maroon on a ribbon in front of the cockpit wrapping around the fuselage. It appears that VAQ-133 Wizards has updated their squadron tail markings. Traditionally, they had the trident and an atom symbol, but now, there is a skull superimposed over that pitchfork, and the atom is on its forehead. (NAS Fallon, 20 September 2021, Nate Leong)

and April 2019. Photo-proof seems to confirm that 18F is the correct code for this period. To make matters more interesting, code 18C was quoted for this helicopter in September 2019....

Two other corrections or changes for Fort Rucker based Lakota concern 19-72429 and 19-72432. The 19-72429 was reported with code 29J, photo-proof however shows it being coded 29K. Similar, 19-72432 was reported as 19C, but photo-proof shows that the correct code is 32H.

Lakota 12-72270 most likely replaces 08-72062 with C(-)/1-112th AVN WA ARNG, which was seen on ADSB heading for Columbus (MS) on 15 March 2021. It has been recorded on ADSB flying out of Fort Rucker (AL) since September 2021. According to ADSB several UH-72A helicopters have been transferred from Army National Guard units to 1-223rd AVN at Fort Rucker (AL):

07-72031	ex C(-)/1-114th AVN MS ARNG	<b>9165</b>	jul21
08-72058	ex Det.1 D/1-224th AVN VT ARNG	<b>9221</b>	sep21
08-72061	ex B(-)/1-114th AVN TX ARNG	<b>9211</b>	mar21
08-72062	ex C(-)/1-112th AVN WA ARNG	<b>9223</b>	mar21
09-72085	ex A(-)/1-114th AVN AR ARNG	<b>9277</b>	apr21
10-72139	ex D(-)/2-151st AVN MS ARNG	<b>9370</b>	jun21
10-72157	ex Det.2 D/3-140th AVN CA ARNG	<b>9399</b>	mar21
11-72189	ex D(-)/1-376th AVN NE ARNG	<b>9447</b>	jun21
11-72193	ex Det.1 D/1-376th AVN OH ARNG	<b>9453</b>	may21

#### UH-72B

20-72464 AFTD del 07sep21 sep21

The FY for this helicopter requires confirmation, the contract was signed on 23 July 2020. In total 18 UH-72B helicopters are on order (with an option for three more), which are believed to be allocated serials 20-72464 until 20-72481.

The construction number for this first helicopter is being quoted as 21016, which was registered with Airbus Helicopters at Grand Prairie (TX) as N104AH on 7 September 2021. At this point in time we do not have confirmation if this is correct.

United States Navy

FRCSW = North Island Fleet Readiness Center South West

#### C-2A

162155	FRCSW	ex 31/VRC-30 Det.5	<b>35</b>	oct21
162163/22	VRC-30	ex 630/VAW-120	<b>43</b>	sep21

#### F/A-18E

165781/AF-00	VFC-12	ex NJ-200/VFA-122	<b>1526/E024</b>	sep21
165786/AF-02	VFC-12	ex FRCSW	<b>1536/E029</b>	sep21
165788/AD-104	VFA-106	ex nmks	<b>1540/E031</b>	sep21
165867/AF-05	VFC-12	ex NJ-211/VFA-122	<b>E043</b>	sep20
165896/AF-04	VFC-12	ex NJ-216/VFA-122	<b>E051</b>	sep21
166422/AC-403	VFA-105	ex VFA-122	<b>E067</b>	sep21

166654/AC-401	VFA-105	ex AC-404	<b>E117</b>	aug21
166655/AD-101	VFA-106	ex AG-104/VFA-143	<b>E118</b>	sep21
166785/AD-114	VFA-106	ex AC-105/VFA-32	<b>E131</b>	sep21
166826/AG-407	VFA-136	ex AB-306/VFA-136	<b>E145</b>	jul21
166827/AG-410	VFA-136	ex AB-307/VFA-136	<b>E146</b>	jul21
169646/AB-301	VFA-34	ex AB-306	<b>E308</b>	sep21
169735/AB-222	VFA-211	ex AD-141/VFA-106	<b>E310</b>	sep21
169739/NE-303	VFA-192	f/n	<b>E314</b>	sep21
169949	Boeing	f/f 10sep21	<b>E32.</b>	sep21

#### F/A-18F

165808/AF-20	VFC-12	ex AD-221/VFA-106	<b>1547/F034</b>	sep21
165910/22	VFC-12	ex NJ-117/VFA-122	<b>F056</b>	aug21
165915/NJ-116	VFA-122	ex NA-403/VFA-94	<b>F061</b>	sep21
165917/AD-205	VFA-106	ex NA-/VFA-94	<b>F063</b>	sep21
166610/AD-210	VFA-106	ex AB-105/VFA-11	<b>F103</b>	sep21
166678/AJ-213	VFA-213	ex AJ-204	<b>F156</b>	sep21
166815/AC-102	VFA-32	ex AJ-204 /FA-213	<b>F188</b>	sep21
168486/AG-206	VFA-103	ex AC-100/VFA-32	<b>F260</b>	sep21
168487/AG-207	VFA-103	ex AC-114/VFA-32	<b>F261</b>	sep21
168490/AG-202	VFA-11	ex AG-202/VFA-103	<b>F264</b>	sep21
169647/AB-11	VFA-11	ex AD-252/VFA-106	<b>F277</b>	sep21
169751/DD-302	VX-31	ex VX-23	<b>F287</b>	sep21
169973	VX-23	del 27sep21	<b>F288</b>	sep21

#### EA-18G

166900/AC-502	VAQ-130	ex AF-504/VAQ-209	<b>G12</b>	sep-21
168250/NL-522	VAQ-135	ex NL-552/VAQ-131	<b>G32</b>	sep-21
168271/NH-503	VAQ-142	ex NJ-544/VAQ-129	<b>G53</b>	sep-21
168388/NL-554	VAQ-131	ex NL-512/VAQ-138	<b>G74</b>	sep-21
168775/NH-501	VAQ-142	ex AF-505/VAQ-209	<b>G89</b>	sep-21
169127/AB-504	VAQ-137	ex NL-511/VAQ-138	<b>G118</b>	sep-21

#### F-35C

169799/NE-400	VFA-147	del	<b>CF-55</b>	oct21
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#### MH-60R

167031/J121	FRCSE	ex NF-701/HSM-77	<b>7037..</b>	sep21
167064/AJ-707	FRCSE	ex AJ-707/HSM-70	<b>703945</b>	sep21
168082/AG-07	HSM-46	ex HQ-764	<b>704...</b>	sep21
168144/NE-704	HSM-78	ex NA-712/HSM-73	<b>704840?</b>	sep21
168148/NG-702	HSM-71	ex NA-702/HSM-73	<b>704845?</b>	oct21

#### MH-60S

166324/BR-44	HSC-28	ex AB-616/HSC-11	<b>702836</b>	sep21
166330/NW-302	HSC-85	ex NH-3/HSC-6	<b>7028..</b>	oct21
166360/HU-727	HSC-2	ex HU-705	<b>7029..</b>	aug21
167853/NF-620	HSC-12	ex AB-610/HSC-11	<b>7032..</b>	sep21
168530/60	HSC-21	ex NA-610/HSC-6	<b>703810</b>	sep21
168539/NW-300	HSC-85	ex NA-617/HSC-15	<b>703928</b>	oct21

#### UH-60A

23585/62	for sale	ex USNTPS	<b>70306</b>	oct21
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#### TH-73A

170139/E-611	TAW-5	del 19oct21	<b>15802</b>	oct21
170142	Leonardo	f/n	<b>15805</b>	jun21

<b>P-8A</b>			
168428/428	VP-1	ex LL-428/VP-30	<b>40808/3612</b> oct21
169328/RD-328	VP-47	ex PD-328/VP-9	<b>62294/6244</b> sep21
169545/LK-545	VP-26	ex 545/VP-30	<b>64076/7184</b> sep21
<b>T-45C</b>			
163650/F-600	VT-86	ex F-615, special c/s	<b>A052</b> sep21
167087/B-237	TAW-2	w/o 19sep21	<b>202/C119</b>
<b>CMV-22B</b>			
169447	VRM-50	del	<b>D2013</b> sep21
United States Marine Corps			
FRCE = Cherry Point Fleet Readiness Center East			
<b>UC-35D</b>			
166712	Cherry Point	ex H&HS Futenma	<b>560-0672</b> sep21
<b>KC-130J</b>			
170271/BH-271	VMGR-252	del	<b>382-5923</b> sep21
<b>F/A-18C</b>			
164630/47	NAWDC	ex NE-423/VFA-34	<b>1047/C259</b> jun21
165176/VE-15	VMFA-115	ex AJ-407/VFA-37	<b>1297/C401</b> oct21
165225/WK-14	VMAF(AW)-224	ex XE-303/VX-9	<b>1411/C450</b> sep21
165399/200	VMFA-312	ex NE-434/VFA-34	<b>1420/C456</b> oct21
<b>F/A-18D</b>			
164685	nmks	ex FRCE	<b>1118/D098</b> oct21
<b>F-35B</b>			
168727/VM-29	VMFAT-501	ex VK-15/VMFA-121	<b>BF-29</b> jul21
169025/VM-40	VMFAT-501	ex VM-25	<b>BF-40</b> sep21
169165/225	VMFA-225	ex DC-122/VMFA-122	<b>BF-45</b> oct21
169169/VM-49	VMFAT-501	ex VK-05/VMFA-121	<b>BF-49</b> sep21
169296/CE-04	VMFA-225	ex VK-10/VMFA-121	<b>BF-54</b> sep21
169412/CE-06	VMFA-225	ex DC-06/VMFA-122	<b>BF-57</b> sep21
169590/00	nmks	ex DC-03/VMFA-122	<b>BF-65</b> oct21
169591/VM-66	VMFAT-501	ex VM-30	<b>BF-66</b> sep21
169592/VM-67	VMFAT-501	ex VM-31	<b>BF-67</b> sep21
169593/VM-68	VMFAT-501	ex VM-32	<b>BF-68</b> sep21
169612/DC-02	VMFA-122	ex DC-53/VMM-164	<b>BF-76</b> sep21
169616/DC-03	VMFA-122	ex DC-54/VMM-164	<b>BF-80</b> sep21
169617/VK-03	VMFA-121	ex VK-05	<b>BF-81</b> sep21
169619/DC-09	VMFA-122	ex DC-56/VMM-164	<b>BF-83</b> sep21
169697/DC-05	VMFA-122	del	<b>BF-112</b> sep21
169786/DC-06	VMFA-122	del	<b>BF-113</b> sep21
169795/DC-08	VMFA-122	del	<b>BF-116</b> oct21
169912/MV-51	VMX-1	del	<b>BF-119</b> sep21
169914/MV-53	VMX-1	del	<b>BF-121</b> oct21
169915	LMTAS	f/f 04oct21	<b>BF-122</b> oct21
<b>UH-1Y</b>			
167807/HF-82	HMLA-269	ex SE-02/HMLA-469	<b>55115</b> jun17
167999/UV-..	HMLA-267	ex VT-09/HMLA-367	<b>55127</b> oct21
168508/HF-91	HMLA-269	ex EH-30/VMM-364	<b>55172</b> sep21
168784/SN-34	HMLA-169	ex SN-02	<b>55181</b> sep21
168797/SM-10	HMLA-369	ex SN-09/HMLA-169	<b>55194</b> jun21
169236/YW-34	VMM-165	ex SE-12/HMLA-469	<b>55227</b> sep21
<b>AH-1Z</b>			
168804/SN-00	HMLA-169	ex UV/HMLA-267	<b>59212</b> sep21
168965/YW-47	VMM-165	ex UV-48/HMLA-267	<b>59222</b> sep21
169255	HMLA-267	ex VT-22 HMLA-367	<b>592..</b> sep21
169821/TV-27	HMLA-167	f/n	<b>592..</b> sep21
169833/HF-69	HMLA-269	del	<b>592..</b> jun21
169849/HF-72	HMLA-269	f/n	<b>592..</b> sep21
<b>CH-53E</b>			
161179/YF-179	HMH-462	ex YK-179/HMH-466	<b>65418</b> sep21
161180/EN-01	HMH-464	ex EN-40	<b>65419</b> sep21
161541/EG-2.	VMM-263	ex CJ-09/HMH-461	<b>65462</b> sep21
162479	HMH-...	ex YS-22/VMM-162	<b>65491</b> oct21
165247	FRCE	ex EN-24/HMH-464	<b>65641</b> sep21
<b>CH-53K</b>			
169662	Sikorsky	f/f 22sep21	<b>95...</b> sep21
<b>AV-8B</b>			
163868/WL-21	std Cherry Point	ex VMA-311	<b>176</b> sep21
165006/WE-51	VMM-165	ex WE-09/VMA-214	<b>262</b> sep21
165311/KD-46	VMAT-203	ex WL-311/VMA-311	<b>269</b> sep21
<b>AV-8B+®</b>			
165385	nmks	ex WE-02/VMA-214	<b>280</b> sep21
165566/KD-45	VMAT-203	ex WE-12/VMA-214	<b>303</b> sep21
165574/CG-06	VMA-231	ex EH-54/VMM-264	<b>311</b> sep21
<b>MV-22B</b>			
166687/YM-03	VMM-365	SP-MAGTF-CR A	<b>D0081</b> oct21
167913/YM-12	VMM-365	SP-MAGTF-CR A	<b>D0124</b> oct21
168018/YR-18	VMM-161	ex YP-06/VMM-163	<b>D0148</b> oct21
168228/YM-06	VMM-365	SP-MAGTF-CR A	<b>D0178</b> oct21
168295/YW-04	VMM-165	ex GX-22/VMMT-204	<b>D0212</b> sep21
168326/EG-09	VMM-263	ex FRCE	<b>D0232?</b> sep21
168329/GX-14	VMMT-204	ex EH-00/VMM-264	<b>D0239?</b> aug21
168344/YZ-17	VMM-363	ex YZ-11	<b>D0247?</b> sep21
168602/YM-13	VMM-365	SP-MAGTF-CR A	<b>D0257</b> oct21
168616/11	nmks	ex YW-10/VMM-165	<b>D0271?</b> jan21
168622/YM-10	VMM-365	SP-MAGTF-CR A	<b>D0277?</b> oct21
168670/PF-13	VMM-364	ex YR-03/VMM-161	<b>D0330</b> mar21
168673/YM-14	VMM-365	SP-MAGTF-CR A	<b>D0333</b> oct21
168678/YZ-07	VMM-365	ex YL-06/VMM-362	<b>D0338</b> sep21
168695	Bell-Boeing	f/n	<b>D03xx</b> oct21
United States Coast Guard (CG)			
<b>HC-27J</b>			
2708	Sacramento	ex Elizabeth City	<b>4161</b> oct21
<b>HC-144A</b>			
2313	Cape Cod	ex Corpus Christi	<b>C202</b> oct21
2317	Corpus Christi	ex Cape Code	<b>C210</b> sep21

**Credits:** FAUnaticos, Clive Bartram, Danny Bonny, Ian Carroll, Pete Cole, Juan Cosmo da Penha, Edwin de Greeuw, Damiano Gualdoni, Joris Heeren, Andy Marden, Daniele Mattiuzzo, Alan Nightingale, Jeff Rankin, Jos Stevens, Peter Weinert



This F-35C Lightning II comes from VX-9 Vampires at NAWS China Lake (CA). It participated in the current Top Gun class. (NAS Fallon, 20 September 2021, Nate Leong)



# Showreports



What is a combat aircraft solo display without flares nowadays? Hungarian Air Force JAS39C Gripen 33 arrived in style at Ostrava on 16 September 2021 and Erik Sleutelberg was among the happy few recording that from the air.

Serials worn by warbirds are given in the third column, in italics if not authentic. Previous (real) military ID's are in that column too, between brackets.

## La Ferté-Alais (France)

Le Temps des Hélices

28 August 2021

<u>Static:</u>		
(F-AZYK)	C1131E	(E.3B-433) as A-91
F-BEGD	L-4B	43-0815/26-R
(F-BLOZ)	C-47A	(42-93251), restoration
<u>Flightlines:</u>		
997	SA319B	20S
(03)/F-TGCH	EA330LC	EVAA
(04)/F-TGCI, 05/F-TGCJ	EA330SC	EVAA
F-HKCB, F-HKCJ	SR20	CFAIM02.312
F-AYVF	T-28B	as 138360/KB-5
F-AYYD	TB30	(113)
F-AZAJ	MS318EP-2	as 43/5 white
F-AZBE	AT-6C	(H-29) as 43-12177/TA-127
F-AZBQ	T-6G	(114848) as 115237/OH
F-AZCE	P2-06	(U-152) as 7 red
F-AZCP	MS502	as 8S.2
F-AZCQ	T-6G	(E.16-193) silver c/s
F-AZDB	Po-2W	(045) as 9 black
F-AZDP	AD-4N	(TR-KFP) as 124143/RM-205
F-AZEG	F4U-5NL	as 124724/NP-22
F-AZEJ	Beech E18S	as 22429
F-AZHK	AD-4N	(TR-KFS) as 37-002/TC
F-AZIJ/ZIY	N3202	(15)
F-AZJR	N2S-5	(61534) as 4213/741
F-AZJS	Spitfire PR19	(ex Thai) as PS890/UM-E
F-AZJU	C352L	(T.2B-212) as AZ+JU
F-AZKM	OV-10B	(99+25) as 155454/26
F-AZKU	P-40N	as 42-105915
F-AZNF	N3N-3	as 2909/69
F-AZOE	Cap20	as 02
F-AZQR	AT-6C	(H-4) as 41-33633
F-AZQV	T-28C	as 146287/WS-08
F-AZRA	MS505	as 2E+RA
F-AZRB		
F-AZRD		
F-AZSC		
F-AZSG		
F-AZTL		
F-AZTT		
F-AZVN		
F-AZZM		
F-GMCY		
F-GPJS		
F-HIZI		
F-HLEA		
F-PACG		
F-WZRR		
G-FGID		
G-PBYA		
N43SV		
N1771B		
N2913B		
NC4418		
N14113		
N68941		
N56938		
<u>Flying only:</u>		
0110/F-RBAR		
R204/64-GD		
(139)/4-GR		
9		
34		
F-AZZD/2		
F-GKYF/3		
F-GSYD/4		
F-HDND/5		
<u>AJBS Hangar:</u>		
(100374)		
F-AZDX/44-8846/DS-M		
<u>ABC Helico Hangar:</u>		
F-GEJC		
(F-GJEY)		
SNJ-5C		(C.6-135) as 90747/PA-47
AT-6D		(H-103) as 59620/TA-620
T-6D		(C.6-154) as TA-943
Yak-18A		(ex Egypt) as "15" white
T-6G		(115102) as 117207/CR-311
C1131E		
T-6G		(Y61-501 Tunisia) as 49-2983
T-6		Zero lookalike
N1101		as 67/CY
Stinson SR10C		
PT-18		(40-1991) as 55
T-6G		(C.6-188) as 49-3056/56
SV-4A		(ex AdIA) as 220
N1002		(202) as GK+RR
FG-1D		(88297) as KD345/A-130
Canso A		(11005 RCAF) as 44-33915
PT-13D		(42-17378) as 796
PT-13D		(42-17481)
Beech D18S		
Travel Air 4000		red c/s
T-28		(1236 Haiti) as 17206/TL-206
N2S-3		(38423) as 383
PT-17		(42-15665) as 202, USCG
A400M		ET04.061
C-160NG		EEA01.054
Rafale C		ETR03.004 demo c/s
ATL2		nb
Falcon 50MS		24F
CM170		(411) Patrouille Tranchant
CM170		(315) Patrouille Tranchant
CM170		(455) Patrouille Tranchant
CM170		(482) Patrouille Tranchant
Fi330A-1		preserved
B-17G		
SA318C		stored, ex Marine <b>1004</b>
SA318C		stored, ex ALAT <b>2127</b>



Also noted were a number of early 1900's aircraft, but these fall outside the Scramble scope.

The air shows at La Ferté Alais always go via a standard protocol. The show is organized by L'Amicale Jean-Baptiste Salis (AJBS) who have a large collection of warbirds and vintage aircraft. Most of them will be parked on the flight lines where visiting aircraft will also be parked. These flight lines are open to the public, until the flying starts in the afternoon.

### Leopoldsburg-Beverlo (Belgium)

42nd International Sanicole Airshow 10-12 September 2021  
From 10 to 13 September 2021, the intertwined events of the 42nd International Sanicole Airshow and the 2021 Spottersdays at Kleine Brogel air base, dubbed 'KeeBee' (a phonetic mix of English and Flemish for K.B.), took place. Because of the connections between the two events, for the public as well as the participants, and to avoid mentioning many aircraft twice in our reports, we compiled a combined report for you.

The Sanicole Airshow consisted of a Sunset Show on Friday evening 10 September and two full show days on the following Saturday and Sunday. The Spottersdays at Kleine Brogel were held on Saturday 11 and Monday 13 September.

#### Static:

3369 *	Mi-35	221.vrl	
9926 *	Mi-171Sh	222.vrl	
0714 *	W-3A	243.vrl	
78+31	NH90 TTH	IHaz	
D-665	CH-47D	298sq	
H46 *	A109BA	17sq MRH	demo c/s
RN01 *	NH90 NFH	40sq	
ST40	SF260M	CC Air	
OO-MSH	S11-1	as E-26	
D-EHMM	Grt.Lakes 2T-1		
D-HSDM *	Bo105CB	Flying Bulls	
N60LT	PC-7	'20 Years OCU' tail	
OO-AFJ	SV4C	as 17, AdIA	
OO-NLT	PC-12		

Helicopters marked with an \* were also flying display participants and all the military helos were noted on the ground at Kleine Brogel as well, at various times. As can be seen on the front cover of Scramble 509, the Czech Mi-35 has been given an extravagant '80 years 311th Czechoslovak Bomber Sqn' livery. The Belgian Stampe was inside the VIP tent/restaurant and, unfortunately but understandably, carries large 'Safety Jogger Shoes' titles over its attractive colour scheme (as does the T-6 of the flying display).

#### Flying only:

7L-WK #	EF2000	ÜbwGeschwader
9240	JAS39C	211.tl
T-409, T-413	T-17	FLSK
T-415	T-17	FLSK retro c/s
T-423, T-428	T-17	FLSK
HN-453	F/A-18C	HävLLv 11
05/F-TGCJ	EA330SC	EVA
132/30-GK #	Rafale C	EC03.030 '80 years' c/s
324/30-HW #	Rafale B	EC03.030 tiger finband
44 #	Rafale M	11F '10 yrs' tail, tiger fintip
1	E-2C	4F
029 #	F-16D	335 Mira tiger c/s
513	F-16C	343 Mira
36 #	JAS39C	MH 59. Sz.D. R
MM55217/61-13	T-346A	212° Gruppo
CSX62219/RS-50	C-27J	311° Gruppo RSV
MM7350/RS-22	F-2000A	311° Gruppo RSV
CT01	A400M	20sq
4056 #	F-16C	31.BLT tiger c/s
ZZ376	Wildcat HMA2	nb
FA89	F-16AM	nb
FA101	F-16AM	2w 'Dark Falcon' c/s
FA107, FA119, FA123	F-16AM	nb
FA136 #	F-16AM	10w 'The X Tiger' c/s
FB23 #	F-16BM	nb
ST02, ST22	SF260M+	9 Sq '50 Years Serving' c/s
ST23	SF260M+	CC Air Red Devils c/s
ST35	SF260M+	9 Sq '50 Years Serving' c/s
F-PFJP	SA-300	Trescal
G-KAXF	Hunter F6A	(XF515) as N-294
G-ONAA	OV-10B	as 99+18, Luftwaffe
G-PBYA	Canso A	(11005 RCAF) as 44-33915
OO-ABB	A340-313E	Air Belgium
OO-ISS	Fury FB10	as 249 Iraqi AF
OO-JOY	AT-6D	(44-81506) as 43-13048
PH-FVE	Spitfire LF16	as TB885/3W-V
PH-XXV/232511	VB-25N	(44-29507) as N5-149
SE-KXR/2	G164A	Scandinavian Airshow

The nine jets marked with # performed the Tiger Tails flyby on Sunday, although just five of them actually had some form of tiger markings. For the Rafale M and both dual F-16s this was their only part in the flying display. The other two Rafales were used by Vautour Bravo. The Danish T-17s are flown by the Baby Blue team, six aircraft nowadays, but without their usual leader in Belgium. T-415 has a gorgeous silver and dayglo coat to honour 75 years of Chipmunks. The full text on the SF260 tails reads '50 Years SF-260 Serving Belgian Air Force 1969 - 2019' and they wear additional Red Devils and '75 Years of Freedom - Belgian Air Force' stickers.



Even in her second life as a large warbird, CASA 352 F-AZJU has become a veteran. Amicale Jean-Baptiste Salis has been operating this propliner at air shows now for over 18 years, after a 12-year restoration. (La Ferté-Alais, 28 August 2021, Otger van der Kooij)





Certainly one of the most welcome participants to the Sanicole Airshow and Kleine Brogel Spottersdays was E-2C 1 of 4F, stationed at Lorient. Carlos Geurts had his camera settings right when the Hawkeye taxied in at KeeBee again, after its display on 11 September 2021.

Rafale 132 was showing its stunning overall scheme commemorating 80 years of EC3/30 Lorraine. The other Armée de l'Air Rafales had all been given a tiger finband, applied right over the serials. Both Aéronavale Rafales displayed their special tail painting on the occasion of 10 years of the type's operations with 11F, and a tiger fintip above that. See under Kleine Brogel for the ones not listed above, please. The tiger colours of F-16 029 were on its conformal and underwing tanks, so actually detachable.

Patrouille Suisse:

F-5E: J-3081, J-3082, J-3083, J-3084, J-3090, J-3091

Red Arrows:

Hawk T1: XX177, XX232, XX242, XX245, XX311, XX325

Hawk T1A: XX278, XX319

Hawk T1W: XX310

Airborne Pyrotechnics:

G109B: G-CINO, G-OFIX

All of the flying display participants operated out of Kleine Brogel, apart from a handful of exceptions. Both heavy Airbuses used the Brussels runways and the B-25 and Spitfire were making the short transit from Eindhoven. The A400 only appeared during the Sunset Show on Friday, at the end of an over-four-hour training flight to Zaragoza and back. The Canso was the other machine flying only during the Sunset Show on Friday. She arrived at Kleine Brogel from Duxford several hours before her display, and left for Air Legend 2021 at Melun in France afterwards, not being on the ground during one of the Spottersdays.

The A340, Bo105, B-25 and Spitfire did flypasts at Kleine Brogel on Saturday, when the Airshow and Spottersdays ran simultaneously, but they did not land there. The Wildcat left on Saturday evening and the Hawkeye flew back to France after its display on Sunday. The Red Arrows performed on Friday and departed on Saturday with a flypast at Sanicole.

On Saturday, the four Belgian F-16s with no unit markings flying as the 10 wing Thunder Tigers formation were FA89, 107, 119 and 123. On Sunday, FA107 was replaced by FA136, which was then leading the quartet. Both the Patrouille Suisse and the Red Devils brought one spare aircraft, that we list under Kleine Brogel. This may not represent the situation on all days they flew though, as we did not log this on every day. The Grobs and the Ag-Cat put on quite spectacular pyrotechnics and light shows, especially at the sunset event of course.

Elsewhere:

FU177/3R-G	F-84F	preserved gate
OO-EAN	Bell 206B-2	flightline, 'Super 8' logo

Once again, the organisation of the Sanicole Airshow succeeded in putting together a show with first class participants that ran like clockwork. Too bad that it is backlit all day long, but luckily we still have the Spottersdays.

Kleine Brogel (Belgium)

Spottersdays 2021 11 & 13 September 2021

At Kleine Brogel, 31 Tiger Squadron also hosted the "Ext-ROAR-dinary NATO Tigermeet", XTM21 in short, with a lot of flying planned over four weekdays surrounding the airshow weekend. On 6 August 2021 however, it was announced that the exercise part of XTM21 had been cancelled due to COVID-19 measures still being in place one month prior to its beginning. Nevertheless, all participants that had been announced showed up and there even was some operational flying activity by part of them, on the second Spottersday on Monday the 13th.

Do note that all the helicopters listed at the Sanicole Airshow under Static, and all aircraft seen there flying except for the A400 and Canso, were also at 'KeeBee' during at least one of these two days.

OCU area:

(J-624)	F-16AM	as LB-061, i/a
J-3088	F-5E	Patrouille Suisse
FA82	F-16AM	nb, overhaul large hangar
FA94	F-16AM	nb large hangar
FA104, FA106, FA116	F-16AM	nb, overhaul large hangar
FA126	F-16AM	nb, overhaul small hangar
F-HKCL	SR22	CFAIM02.312

For the former KLu F-16, refer to this month's Wrecks & Relics section. The Cirrus looks like a pure civilian aircraft, wearing only Airbus Flight Academy titles. It is in service as a French Air Force trainer at Salon de Provence though. These aircraft were initially operated by Cassidian Aviation Training Services (CATS) for the Adla, but now operate under the Airbus Flight Academy brand.

Flightlines along runway:

7L-WK	EF2000	ÜbwGeschwader
9240	JAS39C	211.tl
30+74	EF2000	TLG74
31+01	EF2000	TLG74 'Bavarian Tiger' c/s
45+13, 46+05	Tornado IDS(T)	TLG51 tiger tanks
538	F-16C	340 Mira

33	JAS39C	MH 59. Sz.D. R	
4055	F-16C	31.BLT	tiger c/s
15104	F-16AM	Esq201/301	
15105	F-16AM	Esq201/301 '50 yr Tiger' tail	
CH01	C-130H	20sq	special c/s
FA110	F-16AM	nb	
ST16	SF260M+	9sq '50 Years Serving' c/s	

The Belgian Herc is still wearing its '50 Years in Belgian Service - Tenacity' livery. All Belgian F-16s in this report except for Dark Falcon were operated by 10 wing.

#### Dispersals north side:

133/30-GL	Rafale C	EC02.030	tiger finband
32	Rafale M	11F	'10 yrs'+tiger tail
HN-418	F/A-18C	HävLLv 11 nb	
009	F-16C	335 Mira	tiger finband
MM7310/36-12	F-2000A	36°Gr	
MM7343/36-50	F-2000A	36°Gr	
MM7349/36-54	F-2000A	36°Gr	'351 Tiger Flt' tail
MM7352/36-55	F-2000A	36°Gr	
FA131	F-16AM	nb	
FU145/Z6-E, FU188/8S-N	F-84F	stored	

Rafale 133 was an EC02.030 machine judging by its SPA93 badge, but apparently on loan to its Tiger Squadron neighbours of EC03.030 at Mont-de-Marsan.

#### Visitors:

0481	C295MW	242.tsl	13
CC-2	C295M	TukiLLv	13
751	C-130H	356 MTM	11-12
605	A319-112	MH 59. Sz.D. REB.	13
MM62161	P180AM	311° Gruppo RSV	11
T-785	Falcon 900EX	LTDB	13

#### Peer (off-base):

FX94	F-104G	preserved on pole
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Of the two days, Monday turned out to be the better one in the end, if one ignores the French E-2 had already left by then. Part of the reason was the weather, being dull at best on Saturday and sunny most of Monday. The major reason though, was that a number of Tiger Meet participants, and flying display aircraft including spares, were parked in the forested area north of the runway, not visible to the spotters. On Monday, these came out of the woods so to speak, to either fly a mission or depart for home. The Airshow performers used the runway on Saturday too of course, but especially for small planes like the T-17s this marginalised the photo opportunities. That said, it was an event well-worth visiting again, and one of the few taking on the challenge of staging it while we are still being subjected to COVID-19 measures.

## Luxeuil - Saint-Sauveur (BA116) (France)

Portes Ouvertes

18 September 2021

#### Static:

ET-197	F-16BM	Esk 730	
MM55095/4-23	TF-2000A	20°Gr, 4°St	
MM55130/4-33	TF-2000A	20°Gr, 4°St	
011	C295M	13.el	
707	Su-22UM-3K	21.BLT	tiger c/s
1962	C-27J	1.DI	
2706	C-27J	Esc.902	
6487	MiG-21MF75	Esc.861	
0008/F-RBAB	A400M	ET00.061	
16	ATL2	23F	
630/3-XD	Mirage 2000D	EC01.003	
11/709-FM	PC-21	EPAA00.315	
105/30-HE (4946)	Rafale C	EC02.030	
ES-YLN/1	F-2000C	(ex Brazil AF) Procor	
F-AYXG	L-39C	(ex UkrAF)	<b>533637</b>
F-AZOH	TB-30	CATS/Cartouche Doré	<b>90</b>
F-GDHO	MS733	as 63/TB	
F-GUKC	SE3130	(D-HOBY, ex BGS)	<b>1891</b>
F-HBK/F	Grob 120-AF	E-CATS	
F-HKCO	EC120B	HéliDax	<b>1609</b>
F-ZBGG	SR-22	CFAIM02.312	
	EC135T2+	Douanes Françaises	<b>0510</b>

#### Flightline/flying:

FA87, FA101	F-16AM	2w	special c/s
E-191	F-16AM	Esk 727	special c/s
6807	MiG-21MF75	Esc861	
J-5026	F-18C	nb	
ZJ916/916, ZJ937/937	Typhoon FGR4	29(R)sq	
(03)/F-TGCH, (04)/F-TGCI	EA330SC	EVAA	
05/F-TGCI	EA330LC	EVAA	
44/2-EQ	Mirage 2000-5F	GC01.002	special tail
55/2-EU, 63/2-EM	Mirage 2000-5F	EC01.002	
02/709-FD, 08/709-FJ	PC-21	EPAA00.315	
14/709-FP	PC-21	EPAA00.315	
(139)/4-GR	Rafale C	ETR03.004	demo c/s
140/4-GS	Rafale C	EC01.004	
147/XS	TBM-700A	ET01.041	
C-FPSH	Do228-201	Summit Air	
D-FOOD	PC-12/47E		
F-AZES	MD312	as 226/319-CG	
F-AZKM	OV-10B	(99+24) as 55454 USMC	
F-AZNN	Yak-11	(ex Egypt AF)	<b>25111/05</b>
F-AZPZ	CM170	as 413/312-PF& 315-JB	
F-AZTL	T-6G	(115102) as 117207/CR-311	
F-HDBV	EA330SC		
HB-RCF	D-3801	as J-143	



After the Sunset Show at Sanicole, and well after sunset itself, the opportunity rose to make some long exposure shots of the parked helicopters. NH90 RN01 of 40sq had already been tucked in for the night long before dark. (Leopoldsborg, 10 September 2021, Erik Sleutelberg)





Photographed at AeroBaltic 2021 in Gdynia on which we reported last month, Rafale C 139/4-GR in its display livery also took part in the shows of La Ferté and Luxeuil. (Oksywie (Babie Doly, Gdynia), 21 August 2012, Martin Uleman)

HB-RDF	Mirage 3DS	as J-2012	101	Falcon 10MER	57S
HB-RVN	Vampire FB6	as J-1197	13	Rafale M	12F
NL51ZW	P-51D	(9597) as 472927/WZ-W	27	Rafale M	nb special c/s
N4034S	P-51D	as 44-63889	156/ABT	TBM700B	EAAT
The Canadian Dornier is the RAF Falcons Parachute Display Team's aircraft.			0757/JDF	EC135T2	nb
			F-BOER	L-18C	as 18-1442/AUB

Patrouille de France:

Alpha Jet E: E20/2, E35/6, E45/4, E48/1, E73/0, E81/9, E87/8, E105/7, E119/3, E129/5, E137/-

Hangar:

(A58)/3-XG	Jaguar A	cockpit only
/2-LT	Mirage 3E	cockpit only
/3-JN	Mirage 2000	cockpit only
40/2-EX	Mirage 2000-5F	GC01.002

In front of shelter:

78/2-EC Mirage 2000-5F GC01.002

Platform TBM-700 hangar:

33/XA	TBM-700A	ET00.043
110/XP, 146/XR	TBM-700A	ET00.041
N700WF	TBM-700A	

Elsewhere:

152/64-IP	CN235M-200	ET00.062	
197/64-HE	CN235M-300	ET00.062	
6029/BKC	EC665	1 RHC	
F-HBKA/A	EC120B	HéliDax	<b>1568</b>

Preserved:

202/339-WW	CM170		
568/4-BI, 584/4-AN	Mirage 3E		
37/2-EC	Mirage 2000C		
39	Mirage 2000-5F		tail only
329/116-BH (4933)	Mirage 2000N		
	F-2000B	(ex Brazil)	Procorin hangar

Because of the bad outlook for the weather on Sunday, the Portes Ouvertes were visited on the Saturday afternoon. This turned out very well with warm sunny weather, where the next day it was awful. The flying display has backlight all day, but staying to the very end was rewarded with better light conditions on the flightline, that is directly in front of the spectators. After the initial checks upon entry, there were no COVID countermeasures on the field at all, resulting in an old-fashioned busy open day.

Rennes - Saint-Jacques (France)

Portes Ouvertes		18 September 2021
E176/8-MB	Alpha Jet	nb
103/YT	EMB121AA	EAT00.319
68	EMB121AN	28F

The Rennes Aeroclub held a small open day dedicated to the Bleuets de France, the symbol of memory for and solidarity with veterans, their next of kin and other victims of war.

**Ostrava-Leoš Janáček (Czechia)**

NATO Days & Czech AF Days 2021 18-19 September 2021  
Construction numbers in this report have been checked on location.

Static:

188932	CF-188B	409 Sqn	
54+36	A400M	LTG62	<b>107</b>
331	Mi-24P	MH.86 HE	
MM7362/32-12	F-35A	13°Gr, 32°St	
J-062, J-063	F-16AM	312sq	
1117	M28-B1TD	43.BLotM	<b>AJG002-01</b>
7447	UH-60M	Vrtul'níkové křídlo	<b>70-5020</b>
L9-62/62	PC-9/M	152.LEESK	<b>635</b>
39826	JAS39D	F17	<b>39-826</b>
86-0018	C-5M	433rd AW AFRC	
63-7991	KC-135R	173rd ARS NE ANG	
09-4072/TX	MQ-9A	111th ATKS TX ANG	
08-0047	CV-22B	7th SOS	
10-20245/Co A	UH-60M	1-214th AVN	<b>70-3463</b>
09-05596	AH-64D	1-3rd AVN	
169380/WG-06	AH-1Z	HMLA-773	
168786/WG	UH-1Y	HMLA-773	
0475	L-39NG	Aero Vodochody	<b>167001</b>
0481	C295MW	242.tsl	
9244	JAS39C	211.tl	<b>39-244</b>
6053	L-159A	212.tl	<b>156053</b>
3369	Mi-35	221.vrl special '80 yrs' c/s	
9868	Mi-171Sh	222.vrl	
D-HMFC	Bell 206B-3	Motorflug Baden-Baden	
OE-AGT	G120TP	Grob Aircraft	<b>11108</b>
OM-ATS	EC135P2	Air Transport Europe	
OM-BHK	UH-60A	Slovak Training Academy	

F-16 J-063 has a mark for the Dutch MiG kill under the cockpit. The L-39NG also did flying displays and was pulled off the static for that purpose on both days. The German Bell is operated under a German Army training contract and painted olive with dayglo. The Slovak EC135 is a Helicopter Emergency Medical Services (HEMS) machine.

Flying/flightlines south apron:

H46	A109BA	17sq MRH	demo c/s
54+29	A400M	LTG62	
82+55	EC135T1	IHAZ	
513	F-16C	343 Mira	
538	F-16C	340 Mira	
33	JAS39C	MH 59. Sz.D. REB.	
7445	UH-60M	Vrtul'nikové křídlo	
L9-61/61	PC-9/M	152.LEESK	<b>634</b>
39284, 39292	JAS39C	F17	
T-335	AS532UL	LtSt6	
88-0029, 88-0032	F-16C	132 Filo	'Solo Türk' c/s
ZA947	Dakota C3	BoBMF	
0482	C295MW	242.tsl	
9241, 9242	JAS39C	211.tl	
6048	L-159A	212.tl	
6070	L-159A	212.tl	special '20 yrs' c/s
1525	L-410FG	242.tsl	
0981	Mi-24V	221.vrl	
3368	Mi-35	221.vrl	
9844	Mi-171Sh	222.vrl	
0712, 0719	W-3A	243.vrl	
OK-BYH	EC135T-2	Let Sluzba Policie	
OK-BYT	Bell 412EPi	Let Sluzba Policie	
SE-DXN	AJS37	as 37098/52, F7	
SE-DXP	Sk35C	as 35810/79, F16	
SE-RMD	J32B	as 32542/23, F3	
SE-RMI	Ce550	as 103003, F17	

The Czech police EC135 was operating from the grass next to the static display while the colleagues in the Bell 412 flew in from a nearby station.

Flying only:

7L-WF	EF2000	ÜbwGeschwader	19
(T-055)	A330-243MRTT	MMF	18,19
2123	MiG-29AS	Taktické křídlo	18,19
(63-8018)	KC-135R	173rd ARS NE ANG	18

On both show days, the tanker flyby was met with such a low cloud ceiling that the participants could not even be read off. The serials for both here are from ADSB data, while the trailing fighters were not even identified. The MiG-29 was technically not just flying, as it started its display with a touch&go both times.

Visitors:

14+03	Global 5000	FBS BMVg	19
605	A319-112	MH 59. Sz.D. REB.	18
606	Falcon 7X	MH 59. Sz.D. REB.	19
L4-01/01	L-410UVP-E	152.LEESK	18
83-0499	C-12D	USE Busapest	18
2710	L-410UVP-E2	242.tsl	r-wh-bl c/s 19
3085	A119-115X	241.dlt	18-19

Storage:

2-WZIE	A320-214	a/w,n/t
EI-EVW, EI-EVX	B737-8AS	Ryanair n/t
F-WTBF	A320-214	a/w,n/t #
OE-IPA	A320-214	GoAir
OE-IRU	A320-232	a/w,n/t #
OE-IWG	B737-86J	GOL no rh engine
(OE-IWH)	B737-86J	ASKy #
OE-IWI	B737-86J	GOL #
(UR-PSS)	B737-8AS	Ukraine Int'l AI
(UR-PST)	B737-8AS	Ukraine Int'l AI #
(UR-PSU)	B737-8AS	Ukraine Int'l AI no engines
(UR-PSV)	B737-8AS	Ukraine Int'l AI #
VP-BSE	A320-214	Rossiya new c/s
VP-CXO	A320-214	a/w,n/t in hangar
VP-CXP	A320-214	a/w,n/t #
VQ-BCN	A320-214	Aeroflot #
VQ-BGC	Saab 340B	Polet near freight bldg
VQ-BIT, VQ-BIV	A320-214	a/w,n/t

The jetliners marked with # in the last column were semi-cocooned: all windows and openings taped off or otherwise covered. Registrations between brackets had been covered as well. Except for the Saab, all of these are sitting on the north aprons or in the adjacent hangars.

Dispersals:

OE-ION, OE-IOP	A320-214	a/w,n/t #
(OK-CCG)	Saab 340A/F	Central Connect derel
OK-(L)FC	PA-42-200	Let's Fly derel
(OM-ASE)	B737-306	Aft Recovery Trng Cntr

The Saab lies, engineless, on its belly. The Cheyenne has no engines either, it suffered a gear collapse in January 2017. Finally, the 737's engines have been removed as well and the full titles on this machine read 'Aircraft Recovery Training Center', 'Ostrava Airport Leos Janacek' and 'Partner of ResQTec'.

Civil traffic:

D-ACLG	B737-46JSF	CargoLogic Germany	16
EC-JAD	ATR42-300	Swiftair	16
EI-DPI	B737-8AS	Ryanair	18
N800AJ	CL-601-3A		16-19
OK-BET	Ce525		16
OK-ELO	CeT303		18
OK-LLL	PA-46-500TP		18
OK-PBK	Ce525B		16
OK-PLS	L-200A		16
OK-PRM	PC-12/47NGX		16
OK-PVN	PC-12/47NGX		18
OK-SWW	B737-7Q8	Smartwings	19
OK-TSF	B737-8GJ	Smartwings	16,19
OK-TST	B737-86N	Smartwings	18



On the flightlines at La Ferté was AT-6D F-AZSC, the former Spanish C.6-154, in a USAAF livery with code TA-943. Interestingly, it has been given a data block below the cockpit, correctly mentioning its construction number 88-15943. (28 August 2021, Otger van der Kooij)





The Transalls themselves at Hohn were not at all ready to stop flying yet. Erik Sleutelberg witnessed how the crew of LTG63's 50+79 had to work hard to convince their aircraft to return to solid earth, at the conclusion of the six-ship formation flight on 23 September 2021.

OK-TVF	B737-8FH	Smartwings	16
OK-TVM	B737-8FN	Smartwings	19
OK-TVS	B737-8FH	Travel Service AI	16
SE-RMT	Global 6000		18
SP-HOP	SC7-3A-100	Sky Force Para	SH1906 16*

We also mention a few planes of interest that were seen on the Thursday before the event. The Skyvan was operating from nearby Zábřeh airfield for Ironbird Photography.

The setup of this show, held at an operational civil airport, is somewhat non-standard. Regular air traffic is fit in between display acts, or the other way around. The static show and related activities are situated at and around the dispersals at the north end of the field. The public walks here from the grass parking areas, between the taxiways and runway 22 or further away. The display line runs perpendicular to the runway, crossing it halfway, making this another flying display that is backlit when seen from the showgrounds. For this reason, many photographers choose to stay outside the fence to record the action in the air. This can be done from either the beginning of runway 04 (good spots along the fence overlooking final and the holding point) or a field just west of the airport. This field borders the part of the display line where the helicopters perform, not far from the static display. On the airfield though, there are good views of runway 22 from the parking area in the morning and the static area in the afternoon.

To control the amount of spectators, tickets had to be obtained in advance. The airshow itself is free, only a minimal processing fee applied. Parking had to be payed for. Those arriving by train had the longest walk: the railway station lies conveniently next to the terminal, but roughly 3km from the static display. The static is challenging for photos to say the least, with fences very close to the airplanes. This does provide options for closer looks, though. After the corona and security checks, there were no restrictions to move around on the showground whatsoever.

## Hohn (Germany)

Fly-out LTG63 23 September 2021

### Flightline & flying:

50+36	C-160D	LTG63
50+40	C-160D	LTG63 'Retro Brummel' c/s
50+51, 50+79	C-160D	LTG63
50+83, 50+88	C-160D	LTG63

These six Transalls performed a very well-coordinated 'Trallet', where the starting of engines and all taxi move-

ments were carried out exactly at the same moment. All six lined up on the runway before departing right after another. After the last formation flypast followed an overhead break, very short circuit and short field landing.

### Visitors:

14+04	Global 5000	FBS BMVg
15+02	A319-133X	FBS BMVg
30+23, 30+33	EF2000	TLG71 *
30+35	EF2000T	TLG73
30+40	EF2000	TLG31
30+67	EF2000T	TLG71 *
31+01	EF2000	TLG74 'Bavarian Tiger' c/s
45+85	Tornado IDS	TLG33
46+28	Tornado ECR	TLG51
54+25	A400M	LTG62
82+03	AS532U2	FBS BMVg
84+49	CH-53GA	HSG64
83+04	Super Lynx 88A	MFG5
C-GJTA/057	Alpha Jet A	Top Aces *
F-AZVM	N2501	as 105/62-SI

From Wittmund, the two single seat Eurofighters of the QRA did two approaches, followed later by a flyby of the 'Doppeltyphoon' with the Alpha Jet on its wing.

### Elsewhere:

50+49	C-160D	LTG63	stored
50+55	C-160D	LTG63	
50+85	C-160D	LTG63	preserved gate
50+86	C-160D	WTD61	

With the obvious exception of the gate guard, these were parked on the west aprons.

### GFD:

Learjet 35A: D-CGFA, D-CGFD, D-CGFF, D-CGFG, D-CGFH, D-CGFJ, D-CARL

### Hugo-Junkers-Kaserne:

(53+55)	N2501D	preserved as 52+55
71+57	UH-1D	preserved special c/s

### Hohn town:

51+06	C-160D	preserved
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The spottersday on the occasion of the flyout was well-organised, with a nice bunch of aircraft to be seen. Most visitors were guided to taxi along the crowd line after landing, between the six Transalls and the spectators. Those who could not, or chose not to, enter the base were using the excellent spots along the fence to witness the proceedings from there. Unfortunately, the weather did not cooperate as this Thursday was filled with low clouds, rain, wind and limited visibility. This forced the organisation to alter the programme

during the day, which they duly did. Despite the forces of nature, the sights and sounds of the six C-160s moving in synchronisation and for the last time in such numbers, will be well remembered!

### Leicester (United Kingdom)

DHC-1 Chipmunk 75th Anniversary	24 September 2021	
G-ALWB	Chipmunk T10	
G-APLO/8	Chipmunk T10	(WB696)
G-BARS	Chipmunk T10	(WK520) as 1377, FAP
G-BBMN	Chipmunk T10	as WD359
G-BBMO	Chipmunk T10	as WK514
G-BBND	Chipmunk T10	as WD286
G-BCEY	Chipmunk T10	as WK465
G-BCGC	Chipmunk T10	as WP903
G-BCIH	Chipmunk T10	as WD363/5
G-BCYM	Chipmunk T10	as WK577
G-BHXA	Bulldog 120	(OD1 BotswanaAF)
G-BVTX	Chipmunk T10	as WP809/78
G-BWMX	Chipmunk T10	as WG647/67
G-BWUN	Chipmunk T10	as WD310/B
G-BWUT	Chipmunk T10	as WZ879
G-BXDN	Chipmunk T10	as WK609/93
G-BXGL	Chipmunk T10	(WZ884)
G-BXGM	Chipmunk T10	(WP928/D AAC)
G-CGAO	DHC-1-200	as 1350, FAP
G-DHCC	Chipmunk T10	as WG321/G
G-HDAE	DHC-1-200	(1304 FAP) as WP964
G-PVET	Chipmunk T10	as WB565/X

These Chipmunks formed a large '75' in the air to celebrate the 75th anniversary of the first flight of the DHC-1 Chipmunk. This flypast took place from and near Leicester airport.

### Chièvres (Belgium)

Chievres Air Fest 2021 25 September 2021

<u>Static:</u>			
FA136	F-16AM	10w	tiger c/s
H46	A-109BA	17sq	special c/s
ST46	SF-260M	CC Air	
L4-01/01	L-410UVP-E	152.LEESK	
L9-62/62	PC-9/M	152.LEESK	<b>635</b>
2706	C-27J	Esc.902	
62	IAR330L SOCAT	Esc.713 SOCAT	
97	IAR330M	Esc.713 SOCAT	<b>141</b>

09-095601	AH-64D	1-3 AVN
84-0096	C-21A	76th AS
96-0080/SP	F-16C	480th FS

Flying:  
N620AR C212DF

Preserved:  
EG18 Meteor F8 at barracks  
(IF65)/7J-B Hunter F6 off-base at roundabout

Reporting at the gate well in time paid off, as the thorough and lengthy security checks resulted in huge traffic jams for those arriving later. The only flying element on this bright blue day was a parachutist demo, for which the jumpers used the former Colombian PNC-240.

### Luqa (Malta)

Malta Air Show 25-26 September 2021

<u>Static:</u>			
CH01	C-130H	20sq	special c/s
C-168	CL-604	Esk 721	
50+40	C-160D	LTG63	special c/s
MM55037/51-80	AMX-T ACOL	132° Gr CB	
MM7013/6-75	Tornado IDS MLU6° St		
MM7064/6-24	Tornado IDS MLU6° St		
MM81595/3-20	SH-90A	5° GRUPELICOT	
MM81818/PS-111	UH-139C	4°RV Palermo	
MM81964/414	PH-139D	SA di Palermo	special c/s
MM82000/505	UH-169A	Centro di Aviazione GdF	
VF-146	AW139	RV Catania	
1117	M28B Bryza1 TD	43.BLotM	
AS1630	AW139	AS/2 rgt	
AS1731	Beech B200MPA	AS/2 rgt	
AS9212	SA316B	AS/2 rgt	flying 26
9H-CUB	L-4H	as 44-79587/DB	
(9H-RAF)	Tiger Moth 2	(DE730, RAF)	

Flightlines near static:  
FA86, FA116 F-16AM 10w special c/s  
140/4-GS, 147/4-GZ Rafale C ETR 03.004  
J-5026 F/A-18C nb

Flightlines south east:  
88-0029, 88-0032 F-16C 132 filo

Red Arrows Hawk T1(AW):  
XX188, XX219, XX242, XX245, XX278, XX295, XX310, XX311, XX319, XX325



Delivered to the Centro di Aviazione Guardia di Finanza last January, UH-169A MM82000 was a good catch among the Italian participation at the Malta Air Show. The helicopter in its great livery is seen here while taxiing at Luqa on 24 September 2021. (Stefan Goossens)



**PC-7 Team:**

A-912, A-913, A-915, A-916, A-919, A-925, A-926, A-930, A-931, A-940

**Elsewhere:**

Z21113/TS-MTC	C-130B	21sq	dep 24
WT483	Canberra T4		preserved
(AS1428)	AW139	AS/2 rgt	hangar
AS1429	AW139	AS/2 rgt	flying
AS1126, AS1227	Beech B200MPA	AS/2 rgt	flying
AS9516	BN-2B-26		stored
(AS9819)	BN-2B-26		fusel at Lufthansa Maint
AS9211	SA316B	AS/2 rgt	flying 25
N706XT	DHC-8-315	USAF	dep 25

After a few years of absence due to legal issues and COVID, the Malta Air Show was back this year. The island's entry restrictions were somewhat stricter than those of the rest of the EU, causing hiccups and long queues after arrival. Tickets could only be bought in advance and the public was guided along the static line-up at Luqa in groups of about fifty people. The afternoon air show programme was flown over St Paul's Bay, however, staying at Luqa to watch take-offs and landings proved rewarding too, although different runways were used.

Credits:

Stefan Goossens, Ronny Jansen, Scramble.



Quality over quantity is what usually describes the Malta Air Show, with the host nation's hardware as the centrepiece. Above we see AW139 AS1429 during a rescue demo over St. Paul's Bay on 25 September 2021, photographed by Stefan Goossens. Below is still-going-strong SA316B Alouette 3 AS9212 on the static display at Luqa airport, framed by Leonard van Teeffelen on the same day.







The F-16s of Esq201 and Esq301 at Beja are operated in one pool, but Esq301 Jaguares is the one with the tiger tradition. F-16AM 15105 with its beautiful '50 years' tiger tail departed from Kleine Brogel on 13 September 2021 after the Tiger Meet. (René Verschuur)



The nation obviously co-starring in the Malta Air Show was neighbouring Italy, participating with three fighter jets and five helicopters. Among the latter was this NH90, locally designated SH-90A, MM81595 of the Marina Militare. (Malta-Luqa, 24 September 2021, Frank Call)



Based at Salon de Provence, the Equipe de Voltige de l'Armée de l'Air (Aerobatics Team of the French Air Force), EVAA in short, is the operator of EA330SC 05/F-TGCJ. This one, with the serial applied externally in a fitting format, was staying at Kleine Brogel for the Sanicole Airshow and photographed by Dino van Doorn on 11 September 2021. EVAA Extras also participated in the shows of La Ferté and Luxeuil.



# Air Legend 2021

Gert Jan Mentink



North American T-28C F-AZQV is one of the last Trojans that was imported to France. Former N28YM, which arrived in February 2020, is owned by Rodai Aero Passion at La Roche-sur-Yon. (All photos at Melun-Villaroche, 11 September 2021, by the author)

## Melun-Villaroche

Although it is only its third edition, the Air Legend show at Melun-Villaroche (France) has already earned its place amidst the major European airshows. The large airfield is conveniently situated in the southeastern part of the greater Paris region, and easily accessible by motorway. It has a rich history as it initially was a French civilian airfield, becoming a German military base during WWII. After the war the USAAF used it for a couple of years after which it became French military base again. Finally the French Air Force left the airfield and it was then used for test flying by Dassault and engine testing by the local SNECMA (now Safran) engine factories.

## Air Legend 2021

The main theme of the 2021 edition of Air Legend which was held on 11 and 12 September was War in the Pacific. This theme was chosen because it was 80 years ago this year that the War in the Pacific broke out. On 7 December 1941, the US were drawn into World War II when their base at Pearl Harbor was attacked by the Japanese. The organization had managed to book a nice variety of warbird types most of which were in some way or the other connected to the theme. Others,

like the Spitfire and Buchon of the Ultimate Fighters, the Swiss D-3801 (Morane Saulnier 406) and the Belgian Spitfire Mk.XVI, were representatives of WW II in Europe.

## Photography

In the early hours of Air Legend most aircraft that would later participate in the airshow could be photographed on the ground. And thanks to the presence of a large number of reenactors true atmospheric images could be taken. The reenactors representing Luftwaffe personnel even had their own camp. In a corner of the airfield part of a WW II "Fliegerhorst" was erected. The presence of a Gomhouria (as a Bucker Bu181 Bestmann) and a Nord 1002 (representing a Messerschmitt Bf108) nicely attributed to the scene.

## Static park

Amongst the non-flyers aircraft in the static park consecutive generations of French military aircraft could be seen: trainers ranging from a SCAN built Stampe SV-4, to the Alpha Jet and from there to its successor, the Pilatus PC-21. Helicopters ranged from an Alouette II, museum piece of the Gendarmerie museum of Melun, to two machines operational in the French navy, a golden oldie Alouette III which still looked fine despite its age, and their latest type, the NH90-NFH.



CAC CA-13 Boomerang NX32CS is a unique warbird in Europe. Although not a 100% original Boomerang (the tail section for instance comes from a donor Harvard) we did not want to be too critical and just enjoyed the machine!

## AMPAA

The airfield is also the home of the Association des Mécaniciens Pilotes d'Avions Anciens (AMPAA) a society of (literally translated) aircraft mechanics and pilots. It was founded in 1981 by a group of former Centre d'Essais en Vol testpilots. AMPAA owns an impressive collection of historic aircraft of which some have been restored to flying condition while others are stored for the future. Their hangar doors were open which revealed some unique gems, like the Hurel-Dubois HD-34 photoplane with its enormous wingspan, an AVIA B33 (licence built Ilyushin Il-10), and a Westland



While there was an airshow going on at Sanicole in its homecountry, the only Belgian Spitfire Mk.XVI SL721 had travelled to France. The fighter, registered OO-XVI, was warmly welcomed during the 2021 edition of Air Legend.

Lysander to name but a few. In the hangar the French B-25 Mitchell F-AZZU could also be seen. It was badly damaged shortly after its take-off from Melun in May 2011. At that time it was considered not to be feasible to be restored.

## Two runways

Melun-Villaroche has two paved runways, which were both used during the airshow. The shorter (1300 mtrs) 01/19 was used by most of the piston engine aircraft for their take-off and landing. The display line ran north-south along this runway 01/19, while the public area was on the Western side. So photographic conditions were difficult at the beginning the airshow but improved as the time passed. Unlike the media, the spotters community had its own enclosure (for an additional € 40 fee per day) Luckily there was more than enough space along this 01/19 for the photographers that had not paid this extra fee, even when not arriving early. Far out of reach of the cameras of most people the jets and larger piston aircraft used the second runway, RW 10/28, which is longer (1975 mtr) than 01/19.

## Beech mishap

During Air Legend 2021, Europe's sole CAC Boomerang NX32CS, representing the Australian effort to withstand the Japanese, was a rarity. Three examples of the most famous fighter of the Pacific, the Chance-Vought Corsair were present: Flying Bull's OE-EAS, Fighter Collection's G-FGID and La Ferté Alais based F-AZEG. Unfortunately the item on the attack on Pearl Harbor, in which a group of Harvards would act as Japanese aircraft had to be cancelled: the Salis organization owned Beech E18S F-AZEJ veered off the runway after a number of unwanted swings during take-off. It came to rest next to the runway after a ground swing. Fortunately the two crew were unhurt. It meant a break in the program that even took the words out of the mouth of commentator Bernard Chabbert, who usually cannot stop talking!

## Modern hardware

Next to the historic aircraft, the French military presented some of their equipment. The Marine Nationale demonstrated an Atlantique 2 and two Rafale N's, while the Armée de l'Air et de l'Espace flew the A-400, a Rafale and a duo of Mirage 2000's, the Patrouille Gusto. The show ended with a tribute to the French writer and pilot Antoine de Saint-Exupéry. His most famous book, *Le Petit Prince* (the Little Prince) was released in 1943 and since then 140 Million copies were sold. Saint-Exupéry lost his life in a Lockheed P-38 while on a mission over the Mediterranean. To commemorate him, the

Patrouille de France has adorned its Alpha Jets with small *Petit Prince* signs on their fins. The finale of Air Legend was a demonstration of the PdF, which opened with a pass of the team together with Flying Bull's P-38 Lightning. Many thanks to the organization, in particular Mme. Iza Bazin, and to Otger van der Kooij for the following log of Saturday 11 September:

### Static displays:

(321)	Gomhouria 6	(ex Egypt), as DC+MV
E176/8-MB	Alpha Jet	nb (ETO02.008)
5390/UZ	AS355	EH03.067
14/709-FP	PC-21	EPAA00.315
340/4-FG	Rafale B	EC02.004
997	Alouette 3	22S
129	Falcon 10MER	57S
5	NH90NFH	33F (c/n 1093)
1517/JAY	Alouette 2	preserved
F-AYGG	SV-4C	1073
F-AYOB	TB30	79
F-AZHX	Vampire FB6	(J-1115), as VZ152/4-LH
(F-AZMR)	N1101	(216), as KG+FM
F-BEGD	L-4B	43-0815/26-R
F-BNEC	MS733	(129)
F-PCES	Mauboussin 125	c/n 177

### AMPAA Hangar:

(DD-39)	Avia B-33	stored, ex Czech
100	CM170	as F-HTKC
	Mystere 4A	preserved
201	Mirage 3B	preserved
6311	AAC1	stored, ex Portugal
F-AJNO	Latécoère 28	stored
F-AYAI	Fokker A1	as 03.03, replica
F-AZKG	T-28 Fennec	82
F-AZNH	HD34	preserved
F-AZNP	Bleriox XI-2	replica
F-AZPO	Po-2	(49-026), white c/s
F-AZQB	Bleriox XI	replica



F-AZZU	B-25J	46-8811/9B
F-BLYG	MS733	110
F-GOHM	MH1521M	64
N6123C	B-25J	(44-86893)
	Lysander	restoration
	Po-2W	green c/s
	Spad S.VII	as S1461, replica
<u>Hangar:</u>		
1076	Alouette 2	stored
	Tiger Moth	restoration
F-AZOX	CC-129	(12965)
F-AYJB	TB30	77
N80696	T-28A	49-1574
<u>Main Flightlines:</u>		
E20/F-TEMS/2	Alpha Jet	EPAA20.300
E35/F-TEMA/6	Alpha Jet	EPAA20.300
E45/F-TETF/4	Alpha Jet	EPAA20.300
E48/F-TEMH/1	Alpha Jet	EPAA20.300
E73/F-TENE/0	Alpha Jet	EPAA20.300
E81/F-UGFO/9	Alpha Jet	EPAA20.300
E87/F-TELC/8	Alpha Jet	EPAA20.300
E105/F-UGFM/7	Alpha Jet	EPAA20.300
E119/F-UGFE/3	Alpha Jet	EPAA20.300
E129/F-TELP/5	Alpha Jet	EPAA20.300
E137/F-TELJ/-	Alpha Jet	EPAA20.300
05/F-TGCI	EA330SC	EVA
123/115-KD	Mirage 2000C	EC02.005
524/115-OA	Mirage 2000B	EC02.005
147/4-GZ	Rafale C	ETR03.004
F-AYLV	L-5	(MM52970), as 42-99107/36
F-AYSB	CL-13B Sabre 6	(01+13), as 01675/FU-675
F-AYVF	T-28B	138360/KB-5
F-AZBE	AT-6C	(H-29), as 43-12177/TA-127
F-AZBQ	T-6G	(114848), as 115237/OH
F-AZCV	T-6G	(E.16-191), as 51-14456
F-AZEF	T-6G	114387, US Navy c/s
F-AZEG	F4U-5NL	124724/NP-22
F-AZEJ	Beech E18S	as 22429/V
F-AZFN	AD-4N	(126998), as 126937/22-DG
F-AZJA	TBM-3E	(85869), on static 12sep
F-AZJS	Spitfire PR.XIX21	(Kh,14-25/97/Thai) as PS890/UM-E
F-AZKU	P-40N	42-105915
F-AZNN	LET C11	as 14 white
F-AZOS	LET C11	(ex Egypt), as Yak-9 6 white

F-AZQV	T-28C	146287/WS-08
F-AZRB	SNJ-5C	(C.6-135), as 90747/PA-47
F-AZRO	T-6	as 3443, zero look a like
F-AZTE	C-47A	(141406), as F-BBBE
F-AZTL	T-6G	(115102), as 117207/CR-311
F-AZXN	Kaydet	(FJ835), as 3885/835
F-AZZK	Yak-3U	(new build), as 48 white
F-AZZM	T-6	Zero look a like
F-BEJF	MS505	as BE+JF
F-GHIP	L-4B	43-0496/56-M
F-GIZL	Cap10B	(18)
F-GSCC	Cap10B	(127)
F-GUMI	Cap10B	(126)
G-AWHH	HA1112M1L	(C.4K-105), as 9 white
G-FGID	FG-1D	(88297), as KD345/A-130
G-IBSY	Spitfire Vc	EE602/DV-V
G-PBYA	Canso A	(11005/Canada), as 433915
G-TFSI	P-51D	44-14251/WZ-1
G-THUN	P-47N	as 45-49192/F4-J
HB-RCF	D-3801J	J-143
N21FS	Expedito 3NM	(1538/Canada)
N25Y	P-38L	(44-53254)
NX32CS	CA13	as A46-139, replica
N47W	UC-71	(42-38288)
N184KP	Expedito 3NM	(1530/Canada)
N223CM	CT-128	(2344/Canada)
N431HM	C-47	(42-24133)
N56938	PT-17	(42-15665)/202, USCG c/s
OE-EAS	F4U-4	(614/Honduras), as RB
OO-XVI	Spitfire XVI	SL721/GE-S

Flightline (pleasure flights):

F-HIZI	PT-18	(40-1991)/55
F-HLEA	T-6G	(C.6-188), as 49-3056/56
N14113	T-28A	(1236/Haiti), as 17206/TL-206

Flightline (south west side):

528/115-KS	Mirage 2000B	EC02.005
313/4-HI	Rafale B	ETR03.004
36, 41, 46	Rafale M	nb

This flightline was only visible from outside. Rafale 36 and 41 did fly, the others were spare aircraft.

Flying only:

0007/F-RBAA	A400M	ET01.061
18	ATL2	nb



As stated above, Air Legend 2021 gave a nice mixture of historic and modern aircraft. The French Navy, the Marine Nationale, was present with several types in its inventory, including these two Rafale M shipboard fighters, 36 and 41.

# Galileo SAR Meet 2021

Gert Jan Mentink



Definitely one of the most colourful helicopters in the competition was this Norwegian AW101 Mk612 0264 operated by 330 Skvadron. These heavy machines have gradually taken over the place of their predecessors, Sea King Mk43Bs. (All photos by author)

## Koksijde host for SAR Meet 2021

From 27 September until 1 October, the Belgische Luchtcomponent (Belgian Air Force) hosted the Galileo Search-and-Rescue (SAR) Meet 2021 at Koksijde Air Base. The base is the home of 40 Squadron, which is responsible for helicopter rescue operations off the Belgian coast. The Belgian 40 Squadron has a tradition of organizing this SAR event. Nevertheless, the last edition dates back to October 2016. The transition of the Sea King rescue helicopter to the modern NH90 NFH, as well as the COVID-19 pandemic, were the reasons for this break.

## The goal

The International Search and Rescue Meet is an exercise in which search and rescue teams demonstrate their missions, assets, skills and procedures to one another. The aim of the exercise is to share experiences in order to learn lessons to make rescue operations even more efficient, safer and faster. Initially the SAR meet was a pure military event, as Search-and-Rescue was then only carried by air force and navy units. In recent years some governments have decided to privatize SAR duties and civil rescue helicopters are now invited too. The Airbus SA365N owned by Noordzee Helikopters Vlaanderen, which is responsible for SAR duties along the Dutch coast, was the only civil helicopter in the contest.

## Galileo as sponsor

The 2021 edition was organized in close cooperation with Galileo, the Global Positioning System of the European Union. This satellite navigation system has been developed with funding by the European Union to secure the EU's independence from the American GPS. On top of that Galileo has proven greater accuracy and speed over GPS. These factors are of utmost value during search-and-rescue operations. In fact it can save lives!

## Learning and doing

The event consisted of three components. It started with a symposium in which each nation presented its assets and procedures on 28 September. The next day two kinds of flying operations were performed by each crew: navigation in the morning and precision flying in the afternoon. During

the navigation practice, crews had to fly with specified speed on a specified course and regularly report their observations. During the precision flying contest, one crewmember had to be winched to the ground to provide instructions to the crew of the helicopter hovering above him. And while being guided from the ground the crew had to maneuver a weight on the hoist cable between some obstacles. Next was to pick up and transport a basket of water and try to grab a ring which, when successful would ignite a flare. At the end of the exercise, the best team received the prestigious SAR-meet Trophy. The crew of one of the oldest helicopters in the contest, German Sea King Mk41 89+63 took it home!

## Disappointment

The flying operations on Wednesday 29 September had attracted a crowd of spotters and photographers from Belgium and several surrounding countries. The tickets for the event had, at the time, sold out quickly as the list of participating SAR teams had some real gems. However, to the







Most popular amongst the spectators during the SAR Meet was this Czech Air Force Sokol W-3A. Its crew gave a breathtaking demonstration after the competition had ended.

disappointment of many, the announced exotic helicopters like those from Cyprus, Greece, Italy, Slovenia and Sweden were absent. These countries only sent their observers to attend the meet. Helicopter manufacturer Leonardo did present something special: they had arranged to bring in a brand new AW169 destined for Brazilian firefighters, the Bombeiros. It still carried its Italian test registration I-EASK, but was unfortunately hidden away in one of the hangars.

### The past

One of the hangars on the south side of the base contained two representatives of Koksijde's long history of SAR operations: a slightly forlorn Sikorsky H-34 OT-ZKH with "The last one" special paint and Westland Sea King RS03. Another hangar housed fellow Sea Kings RS02 and RS04. By the time you read this, both will have arrived at their new home: Historic Helicopters of Crewkerne in the United Kingdom. For the ferry flight both helicopters have received a Belgian registration: OO-SEE and OO-KNG. It is obvious where these registrations stand for!

The flying activities were concluded by the crew of the Czech Sokol W3. Their spirited display was warmly welcomed by the crowd and judging by the number of shutter clicks, many gigabytes of photos must have been taken when they were flying!

The author likes to thank the organisation and Rob Hendriks who shared his log on the Scramble messageboard:

#### Flying from various locations South side:

0264	AW101 Mk.612	330 Skv	SARteam05
0717	W-3A	243vrl/24zDLSARteam08	
77+04	H145M	THR 30	SARteam02
89+63	Sea King Mk.41	MFG 5	SARteam09
OO-NHM	AS365N3	NHV Civil B callsign	

#### Parked / Flying from Hangar North side:

RN03	NH90-NFH	40 Sq/ 1 W BAC
RN04	NH90-NFH	40 Sq / 1 W BAC towed outside
I-EASK	AW169	(Leonardo) GOA CBMERJ

The AW169 is to become PP-UBM/07.

#### Parked / Flying from Hangar South side:

RN02	NH90-NFH	40 Sq / 1 W BAC SARteam01
RS02	Sea King Mk.48	nn stored
RS04	Sea King Mk.48	nn stored

#### Parked in Hangar South side:

OTZKH	S-58	ex 40 Sq preserved
RS03	Sea King Mk.48	ex 40 Sq preserved
ID123/7J-P	Hunter Mk.4	restoration

#### Visitor:

H26	A109BA	17 Sqn Griffon433
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The winners of the SAR Trophy 2021 deserve their place in this article too: congratulations to the crew of 'Oldie-but-goodie' German Navy Sea King Mk41 89+63!

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Interesting registration M-OVIE on this Gulfstream G650. Together with sistership G-550 M-USIC, the aircraft is operated on behalf of the Ineos group. The registrations would suggest a company in the entertainment business, but it is a British petrochemical company. (Geneva, 14 October 2021, Robert Erenstein)



Libyan VIP charter operator Hala Air launched services in early November 2020. It mainly caters for diplomats, business leaders and political VIPs. Their only aircraft is this Challenger 850 registered as 5A-UAD. (Malta-Luqa, 17 October 2021, Mario Caruana)



Boeing 737 BBJ HL8290 was delivered to Korean Chaebol Hyundai in July 2014. (Munich, 8 September 2021)



*Falcon Leap is an annual exercise, held in connection with the Battle of Arnhem commemorations in September. Two Dyess-Herks are seen here through the lens of Oscar Vis departing Eindhoven, led by C-130J-30 16-5834 of 61st Airlift Squadron on 6 September 2021.*



*Cargo dropping is demonstrated by Koninklijke Luchtmacht C-130H G-781 of 336 squadron over Deelen on 6 September 2021. (Manolito Jaarsma)*



*Regular participant of Falcon Leap is the Polish Air Force. Manolito Jaarsma pictured C295M 025 of 8 BLTr over Deelen on 6 September 2021 dropping a load.*