

A silhouette of a large commercial airplane is shown in flight, positioned horizontally across the middle of the frame. The background is a vibrant sunset or sunrise sky, with a bright sun low on the horizon, creating a strong lens flare and illuminating the clouds in shades of orange and yellow. The airplane's wings, tail, and landing gear are clearly visible against the bright sky.

Lowering Avionics Bus Trust: Moving ARINC 429 Bus Architecture Towards Zero Trust.

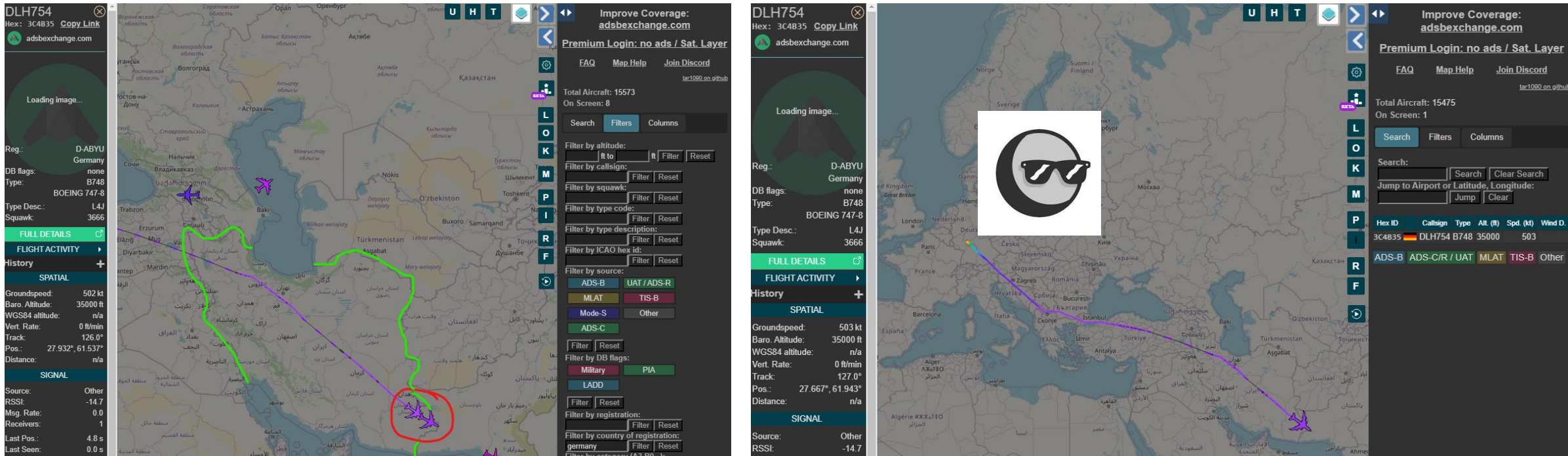
Matthew Preston Video Update 4 Group 4

Overview

- Activities from the past two weeks
- Taskers for upcoming weeks
- Areas for feedback

Narrative – Person of Interest Capture

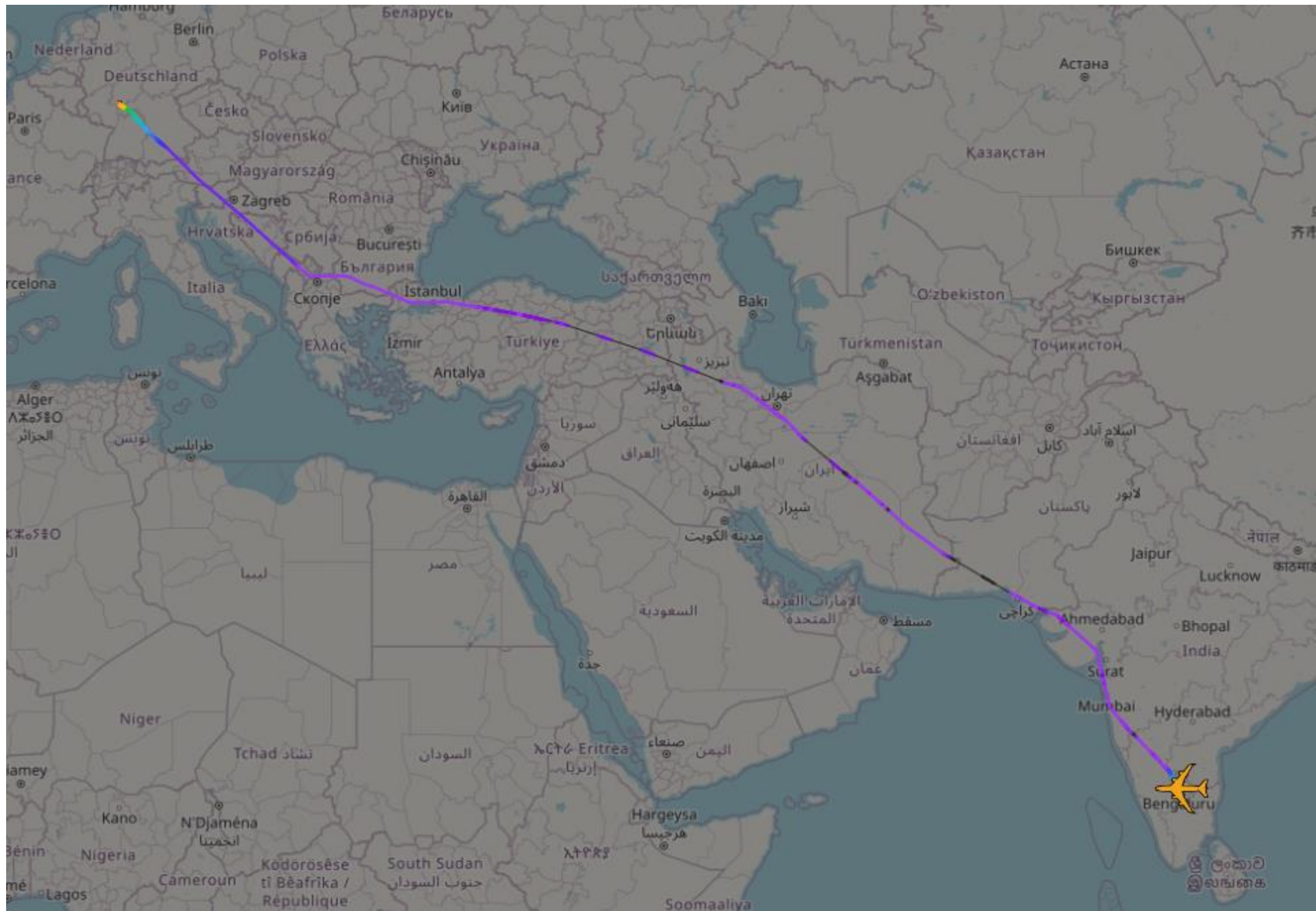
Source: ADS-B Exchange, Flight DLH754 (<https://globe.adsbexchange.com/?icao=3c4b35>) 1429 EST 2 July 2024



Flight from Frankfurt Germany to India.

Passenger of Interest outspoken against & refugee from Iranian Govt living in Germany.

Can the Iranian regime force the plane to land while over their airspace?



Narrative – Person of Interest Capture

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Aircraft and Flight Details for D-ABYU

Registration**D-ABYU** (Germany)

Hex**3C4B35**

Type**B748**

Type Description**L4J**

Model**BOEING 747-8**

Length**250.2** ft

Height**62.8** ft

Wingspan**224.6** ft

FAA Field Length**6920** ft

Range**8000** nm

Burn Rate**3524** gal/hr





Image Not Available



Serial Number

For Sale Status

APU Model

Purchase Date

Valuation

Owner Name

Base

Pass/Combi/Cargo

Owner Contact

ICAO/IATA

Engine Details

91/91k/135/121

Wifi Enabled

Avionics

Maintenance

Cost/hr

Photos

Equipment

C02/hr

Damage

Utilization

History

...and more

Want more details?









Get More

✓ Takeoff

?

✈ Landing

Details

Playback	Date	Callsign	Time (UTC)	Airport	Region	Municipality	Runway	Time (UTC)	Airport	Region	Municipality	Runway	Duration	Distance
	Jul 2, 2024	DLH754	13:11	EDDF	DE-HE	Frankfurt am Main	-	-	-	-	-	-	-	-
	Jul 1, 2024	DLH455	22:23	KSFO	US-CA	San Francisco	28L	07:59	EDDF	DE-HE	Frankfurt am Main	25L	9:35	4945
	Jul 1, 2024	DLH454	09:24	EDDF	DE-HE	Frankfurt am Main	25C	19:44	KSFO	US-CA	San Francisco	28L	10:20	4945
	Jun 30, 2024	DLH573	17:17	FAOR	ZA-GT	Johannesburg	21R	03:12	EDDF	DE-HE	Frankfurt am Main	25C	9:55	4698
	Jun 29, 2024	DLH572	20:33	EDDF	DE-HE	Frankfurt am Main	18	06:45	FAOR	ZA-GT	Johannesburg	03R	10:12	4698
	Jun 28, 2024	DLH712	15:27	EDDF	DE-HE	Frankfurt am Main	-	17:34	EDDF	DE-HE	Frankfurt am Main	07R	26:07	-
	Jun 27, 2024	DLH779	16:04	WSSS	SG-04	Singapore	02C	03:54	EDDF	DE-HE	Frankfurt am Main	25C	11:49	5557
	Jun 26, 2024	DLH778	20:56	EDDF	DE-HE	Frankfurt am Main	18	08:48	WSSS	SG-04	Singapore	02L	11:51	5557

Want more data?

Get More

Attack Path – Nothing complicated

Pseudocode Idea:

```
if(lat, long in Friendly Airspace):  
    for x in range(2):  
        sleep(15 min)  
        send(AoA=-70 deg word)
```



(emulates Qantas Flight 72 – causing piolets to declare mayday and do an emergency landing)



ADIRU



Force an emergency landing

Agents waiting at airport
apprehend Person of
Interest for being critical of
their government