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The Kabul Evacuation

monitoring snapshots by Preligens

Paris, September 2nd 2021

Introduction

This document displays aeronautical flows on the Hamid Karzai International Airport (HKIA - KBL - OAKB) in Kabul from 15-30 August 2021 in the context of the evacuation operations.

All observations are based on the **Defence Site Monitoring** platform, which combines Airbus' high-resolution images with the detections of Preligens' algorithms. This platform uses 10 algorithms developed by Preligens to analyse strategic sites. In the case of the present analysis of Kabul airport, only the algorithm dedicated to aircraft is activated. This algorithm can identify and classify about a hundred different aircrafts.

Afghanistan / Kabul Airfield
N34°33'58" - E069°12'40"

Map Full Table

Graph time period 2020-08-16 → 2021-08-16

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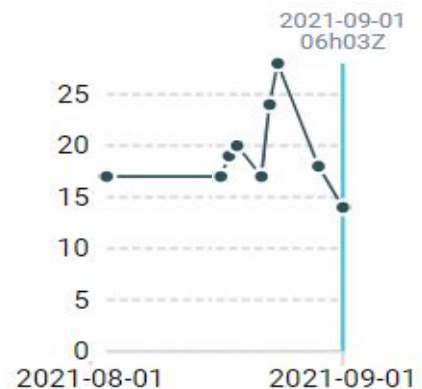
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Preligens' algorithms periodically detect and count military aircraft at Kabul airport. An automatically generated graph shows the airlift set up for the evacuation.

Transport

● Count: 14



Extract from the Defense Site Monitoring platform.

Image : ©CNES 2021 - Airbus DS distribution, first analysis and automatic detections by Preligens. Images Pleiades 50cm.

AFGHANISTAN / KABUL AIRFIELD

N34°33'58" - E069°12'40" - FOCUS - Parking apron - Military B

In this analysis, we focus on one area of the airport: Parking Apron - Military B, which has been selected in advance by intelligence experts.

- On **17/08**, this military zone of the airport still hosts helicopters and light aircraft in an orderly fashion.
- The Preligens aircraft algorithm automatically detects, counts and classifies these aircraft: light aircraft in blue, helicopters in purple.



- On **24/08**, we notice that light aircraft and helicopters, detected in blue and purple by the algorithm, have been pushed aside in a disorderly way to make room for military transport aircraft in green on the image on the left. The airlift is now in full swing.
- Military transport aircraft are marked with green dots by Preligens' algorithms.

- On **30/08** the airlift comes to an end. The military transport planes have left.



All images: ©CNES 2021 - Distribution Airbus DS, first analysis and automatic detections by Preligens. Pleiades 50cm images.

About Preligens :

Preligens was created in 2016 by two engineers, Arnaud Guérin and Renaud Allioux, on the belief that intelligence professionals would never be able to cope with the tsunami of data made available by the huge investments made in sensors. They came up with the idea of using artificial intelligence (AI) to automate the analysis of this multi-sourced data and tip and cue analysts to unusual events requiring their expertise.

Based in Paris and present in 5 countries, Preligens employs 140 people, mostly scientists who form the largest AI team for Defence in Europe. The performance and accuracy of Preligens' solutions, which are internationally recognised and proven in the field, enable its users in the defence sector to be quickly enlightened about complex situations.

State-of-the-art solutions for a safer world.

For more information, visit <https://www.preligens.com/fr/>

For more information on the Defence Site Monitoring platform :

<https://oneatlas.airbus.com/service/defence-site-monitoring>

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The logo graphic consists of a stylized, abstract shape made of teal lines, resembling a network or a signal waveform, positioned behind the word 'PRELIGENS'.