

Oakland ARTCC

ISPACG 36 PT Meeting

Presented to: **ISPACG 36 PT**

By: **Holly King**

Date: **August 2022**



**Federal Aviation
Administration**



Oakland Center (KZAK FIR) UPDATE

- **Current Operational Stats**
 - Staffing
- **FIR Traffic Data**
 - Volume
 - Equipage
 - Aircraft Distribution
 - CDP
 - ITP
- **Commercial Space Activity**
- **AIDC Updates**
- **ATOP/Other Facility Updates**

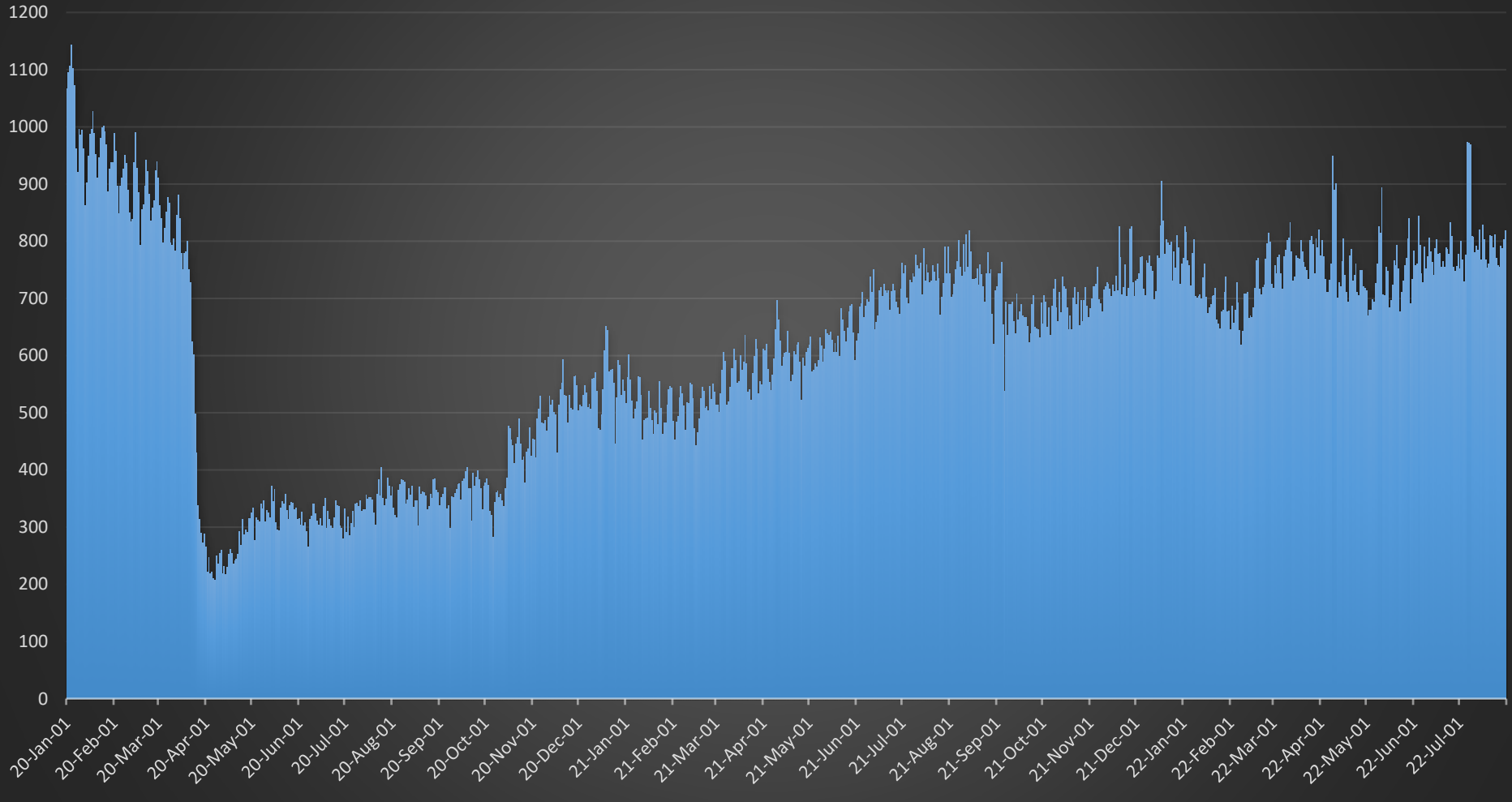


Operational Stats

- **Pacific South**
 - 32 CPCs
 - 16 DEVs
- **Rotational Shifts**
 - 5 On/5 Off
- **Pacific North**
 - 25 CPCs
 - 18 DEVs
- **Rotational Shifts**
 - 5 On/5 Off



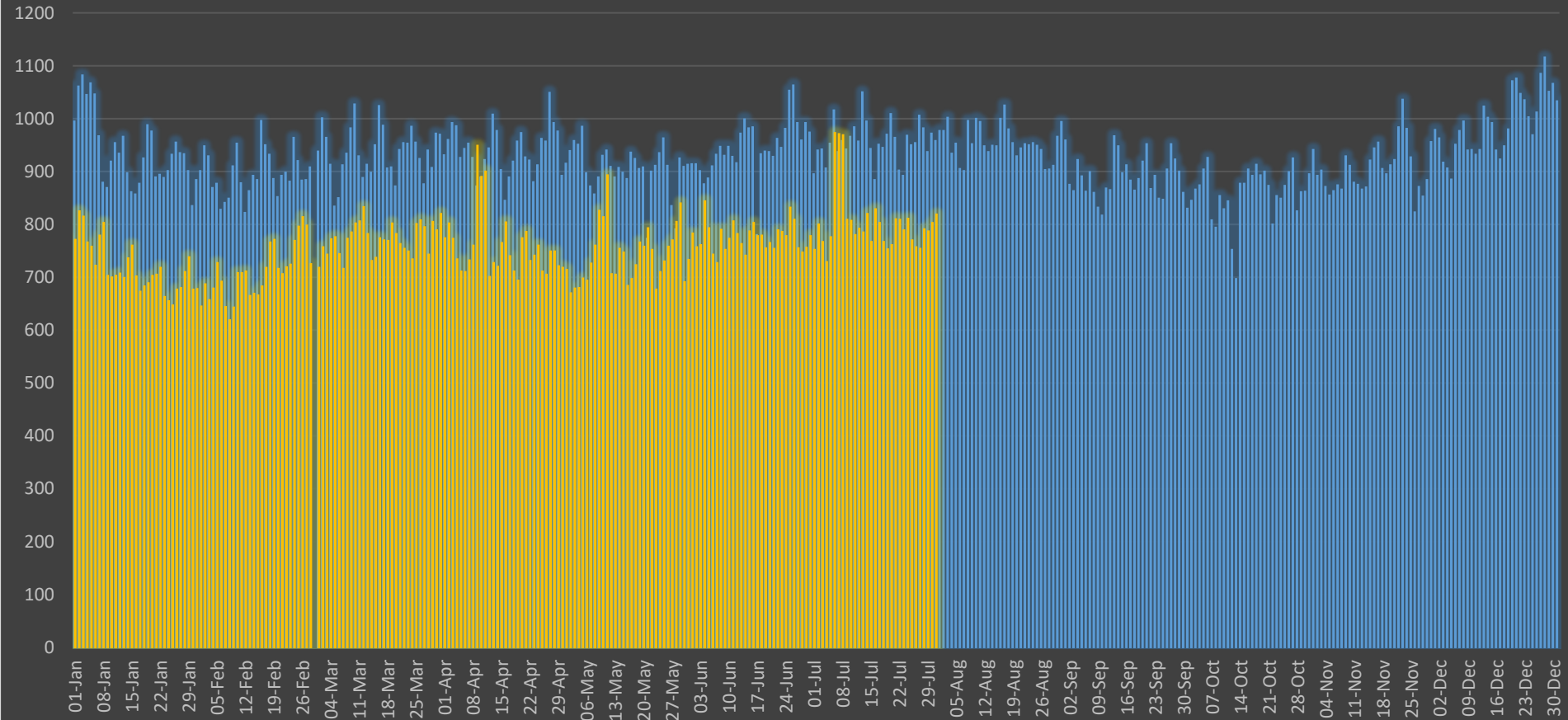
Oakland Oceanic Traffic Count Jan 1st, 2020 - Jul 31st 2022



Oakland Oceanic Airspace

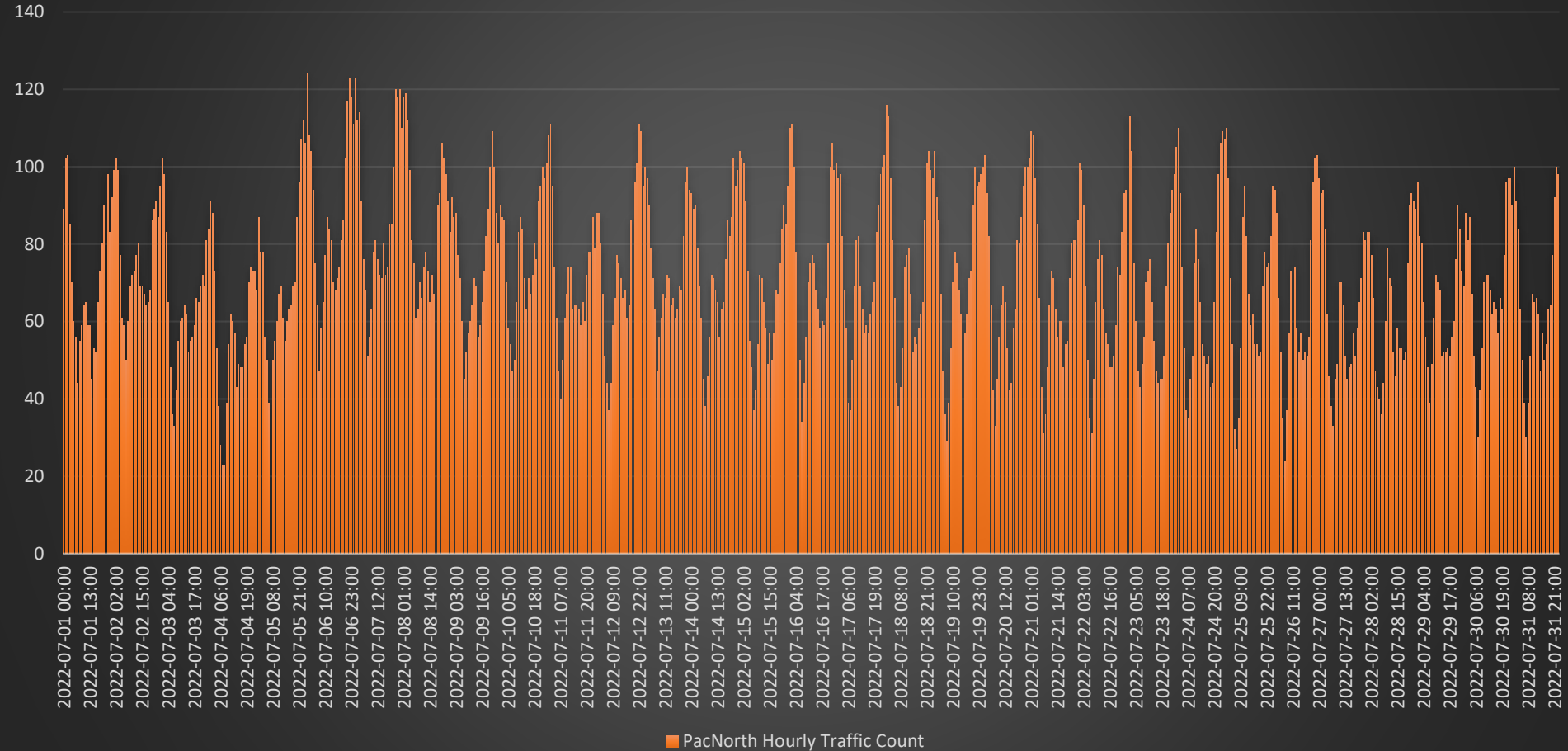
Traffic counts comparison matched by day of the week

2019 2022

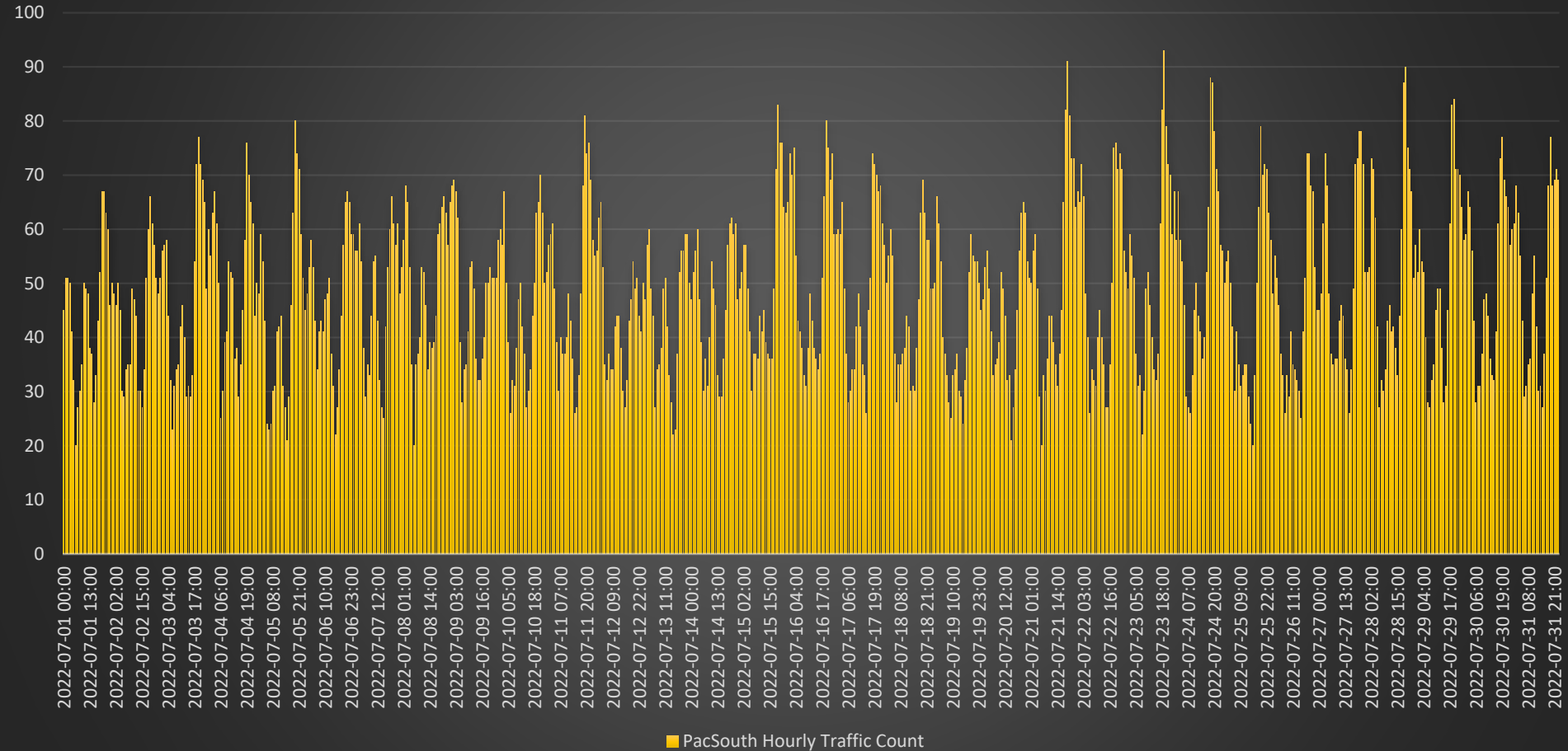


Pac North

July, 2022



Pac South July, 2022

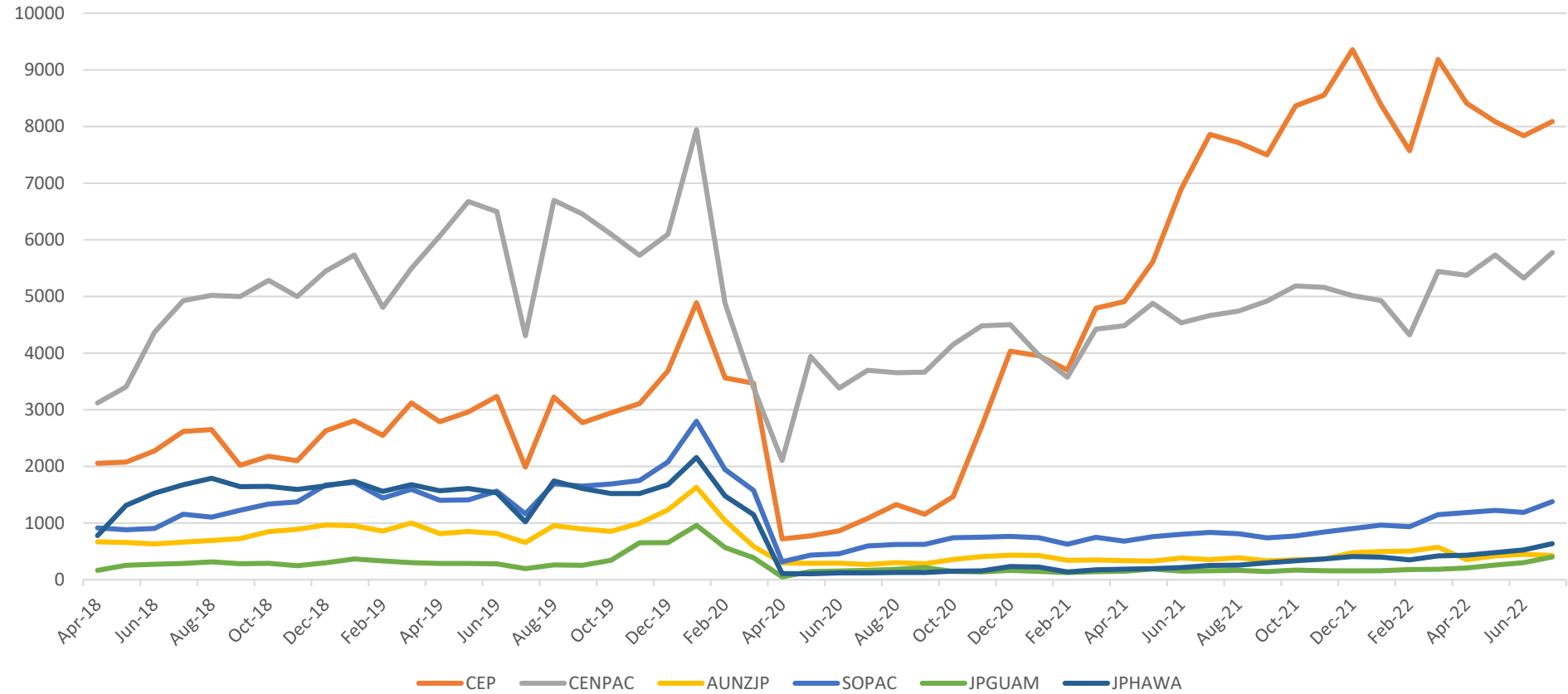


Oceanic Equipage by Traffic Flow

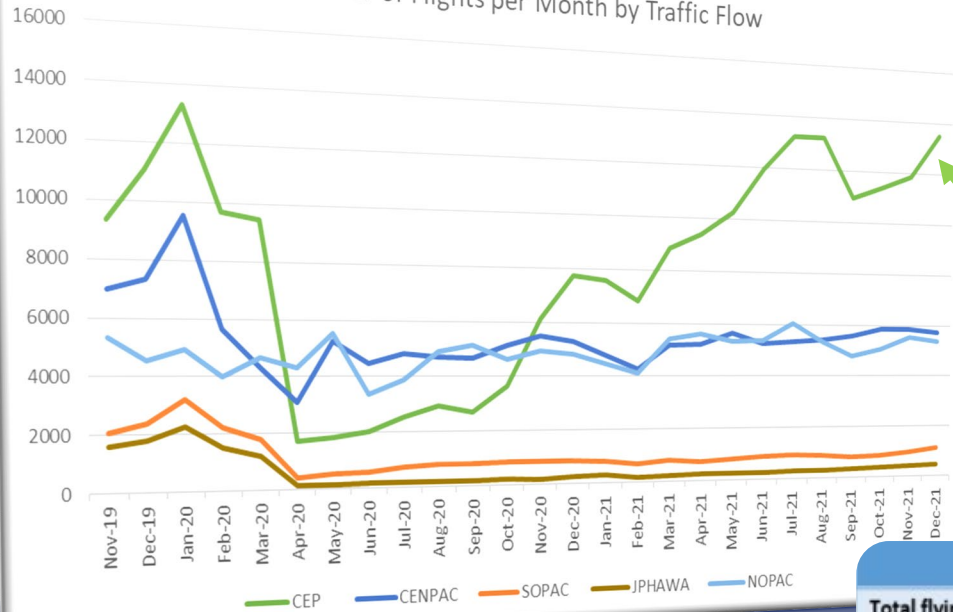
Flow Designator	Flow Name	Description of Flow
CEP	Central East Pacific	Hawaii to/from North America
CENPAC	Central Pacific	North America to/from Japan/Korea/Asia
SOPAC	South Pacific	North America to/from South Pacific States
JPGUAM	Japan to Guam Area	Japan to/from Guam/Saipan other proximate locations
JPHAWA	Japan to Hawaii	Japan to/from Hawaii
AUNZJP	Australia/New Zealand to Japan	Australia/New Zealand to/from Japan
Domestic US	Domestic US origin and destination	Domestic US origin to/from Domestic US destination (excluding Hawaii)
Other	Other	City Pair not included in one of the above traffic flows
State	State operations	State operations - same origin and destination



PBCS & RNP4



Number of Flights per Month by Traffic Flow



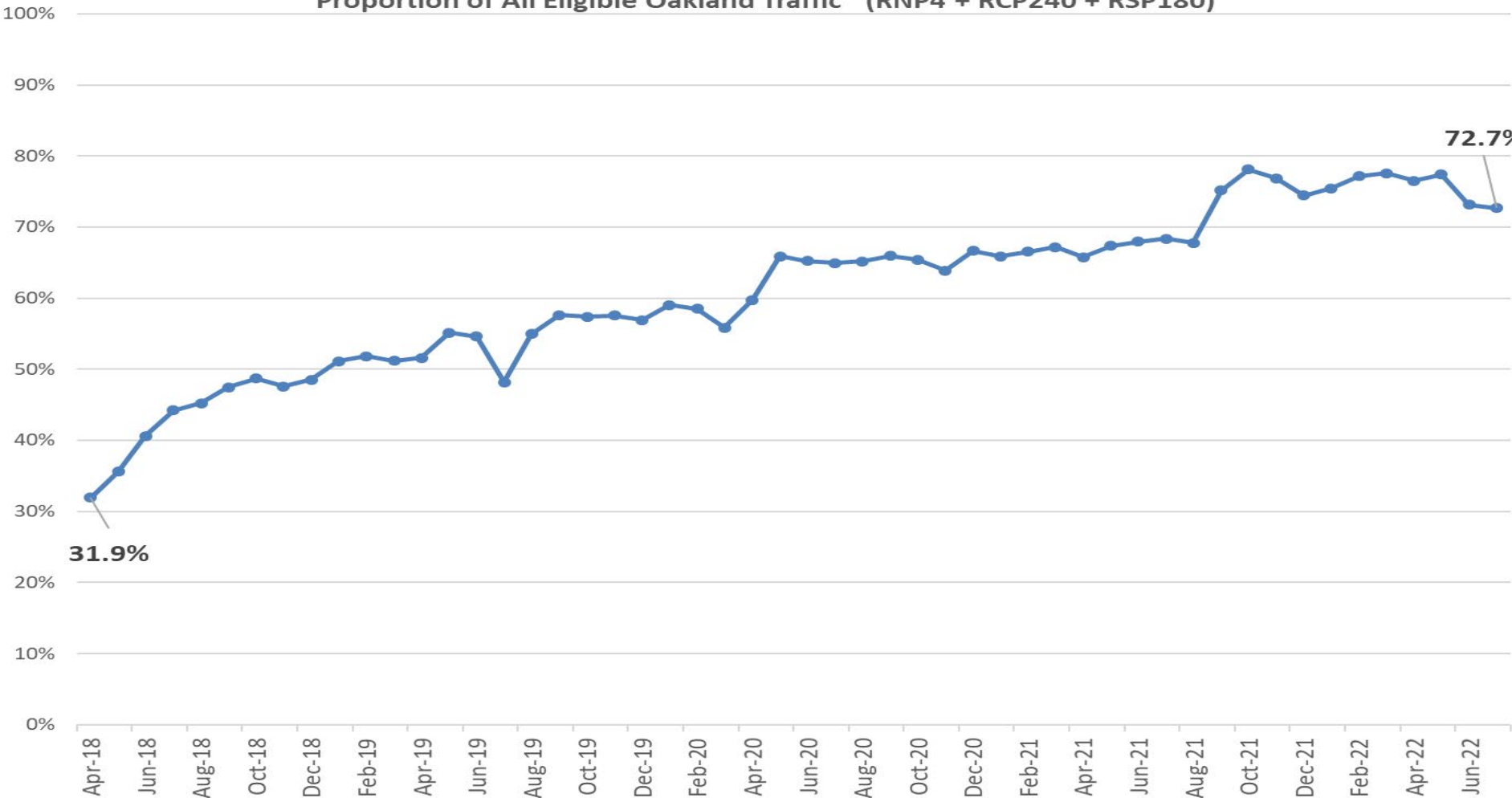
CEP STATS

	2019	2020	2021
Total flying hours	425,950	215,009	461,990
Number of Flights	115,543	63,661	128,927
Proportion Data Link Operations	69.1 %	81.8%	83.8%
Proportion HF (only) Operations	30.9 %	18.2%	16.2%
Proportion RNP4, RCP240, & RSP180 filing	31.4 %	52.2%	69.3%

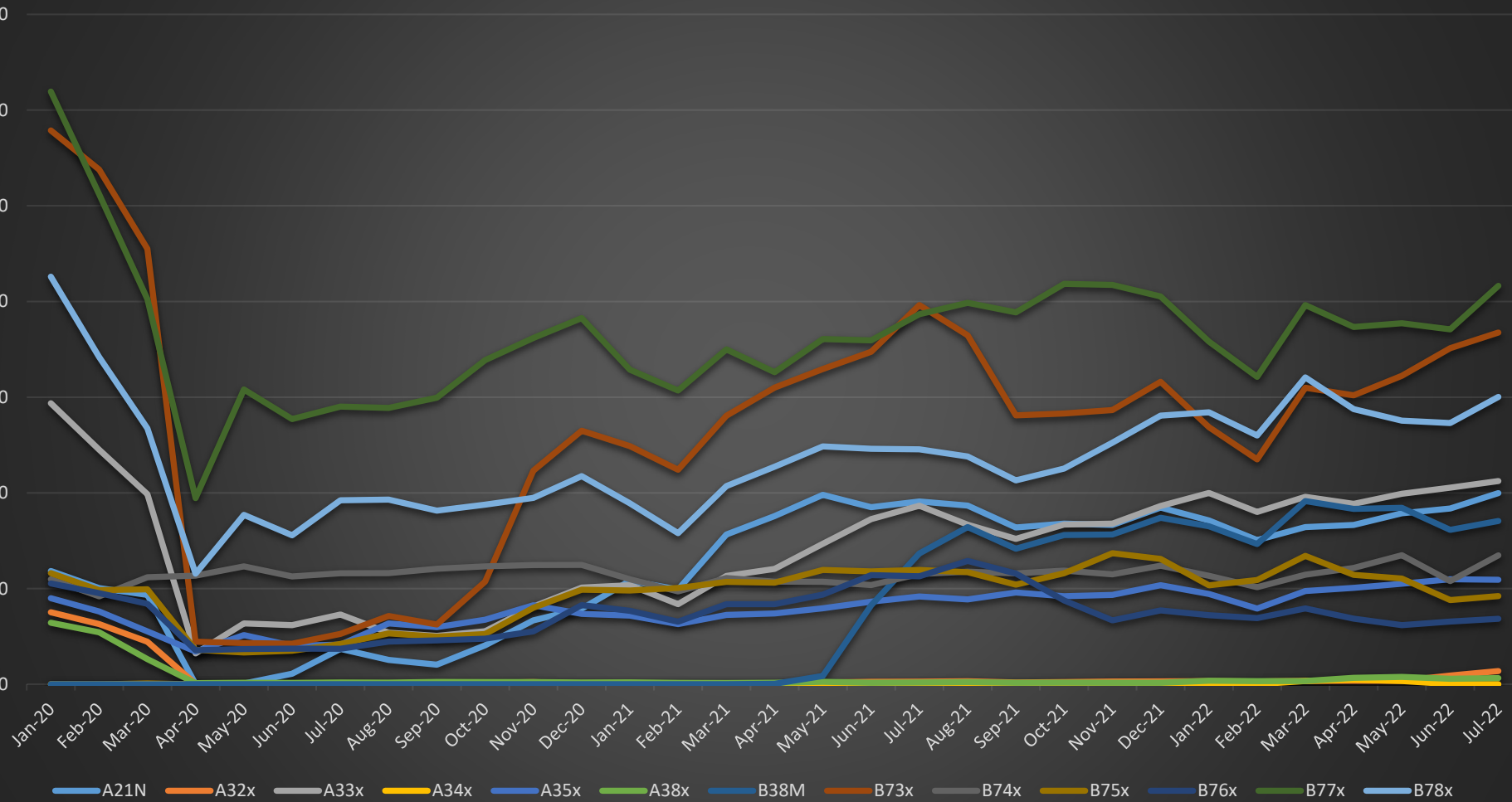


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Proportion of All Eligible Oakland Traffic (RNP4 + RCP240 + RSP180)

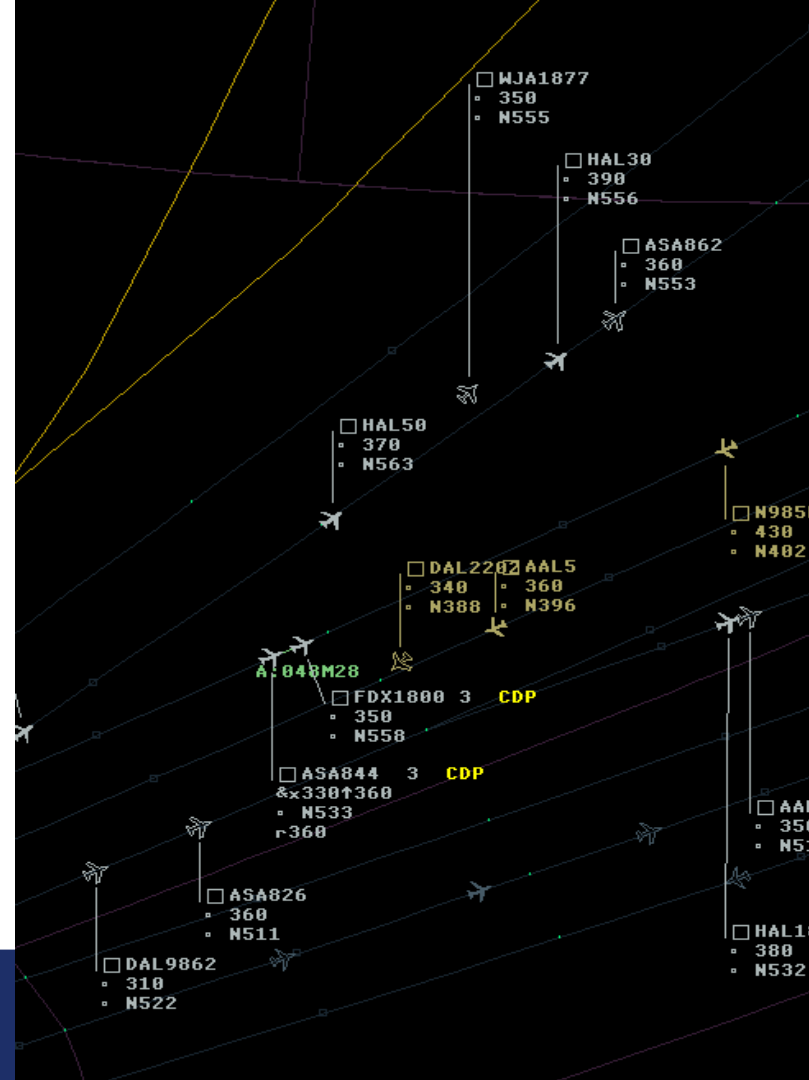


Oakland Aircraft Type Trend 2020 - 2022

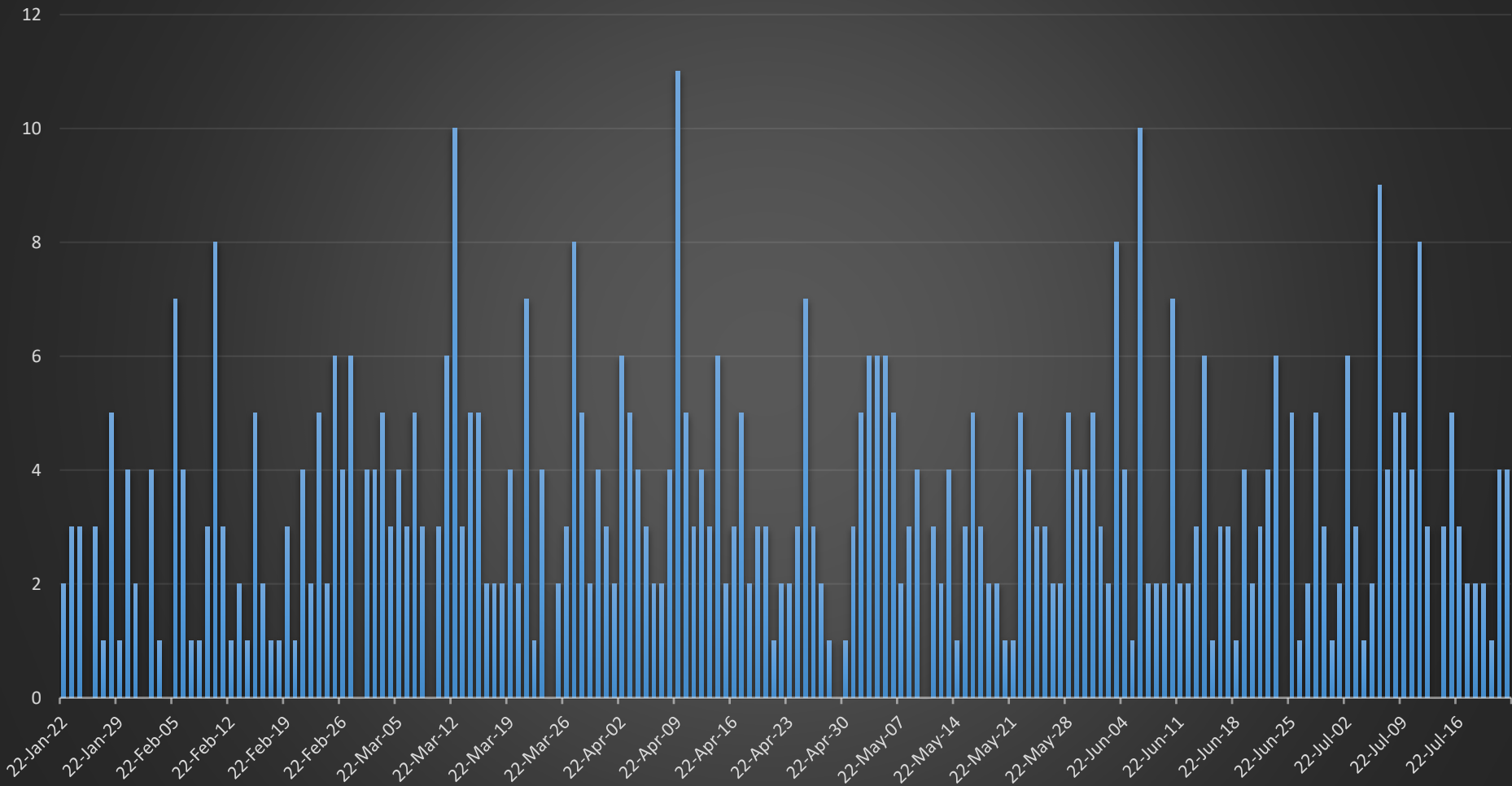


ADS-C CDP & ADS-B ITP

Status Update

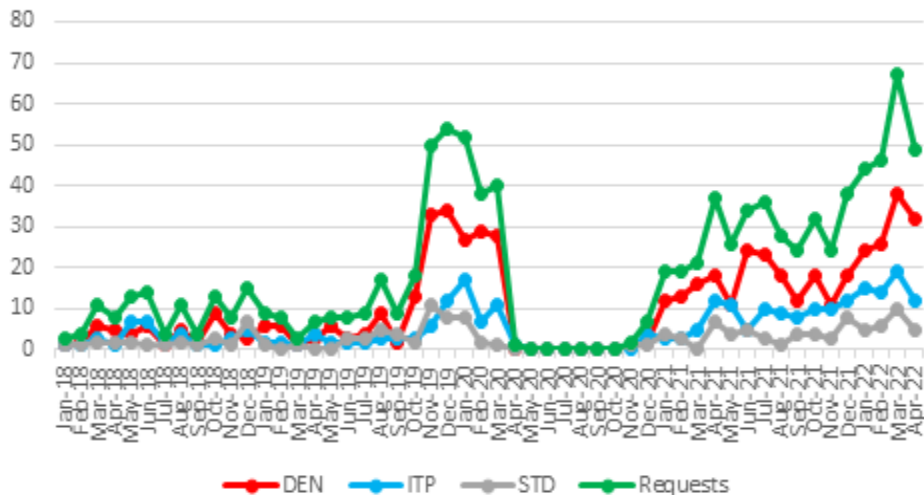


CDP Usage

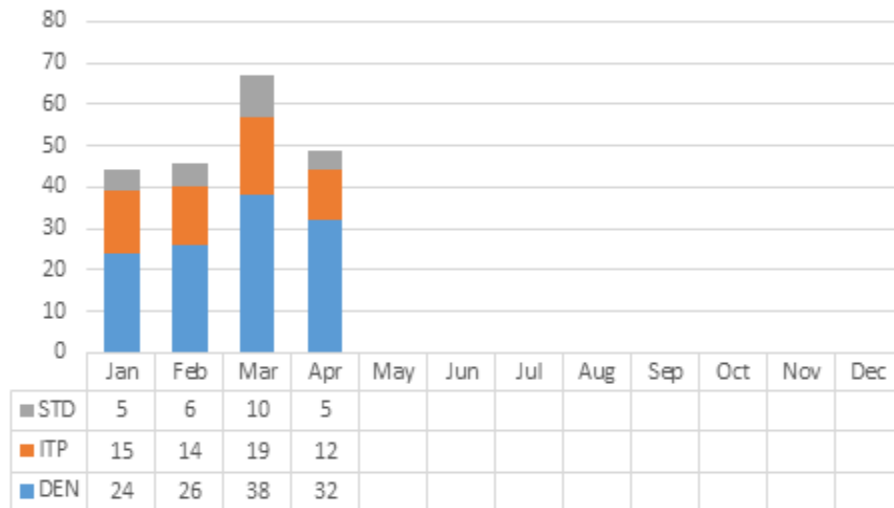


ADS-B ITP

ZOA ITP REQUESTS BY MONTH



ZOA ITP Request Event Summary 2022





Commercial Space





Commercial Launch Activity

ASTRA (KODIAK PSCA)

Virgin Orbit

Space-X

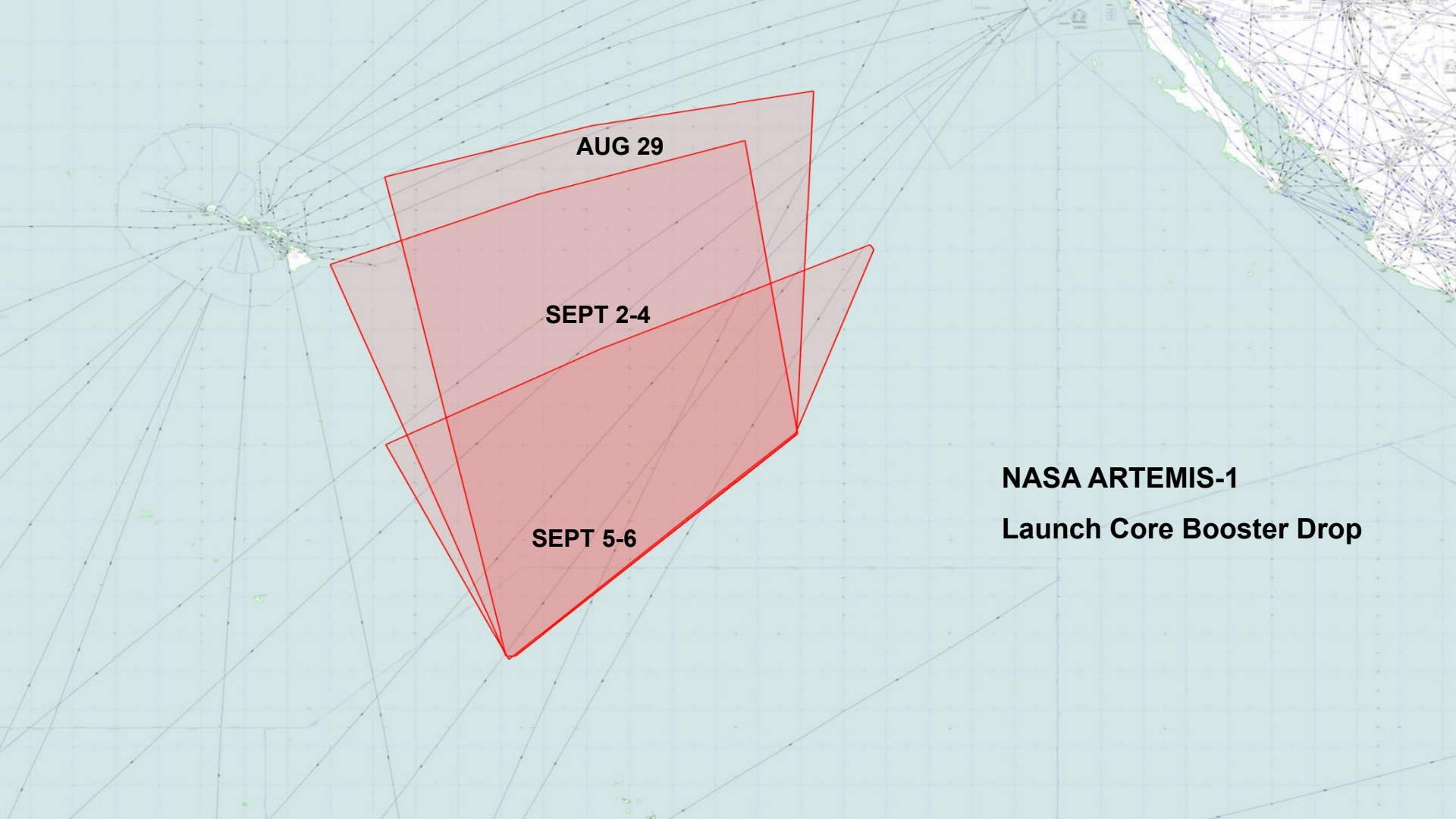
ABL Space Systems

Artemis

Sierra Space



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A map of the Pacific Ocean with a grid overlay. Three overlapping red polygons represent the launch corridor and booster drop zones for the NASA Artemis-1 mission. The polygons are labeled with dates: 'AUG 29' for the top zone, 'SEPT 2-4' for the middle zone, and 'SEPT 5-6' for the bottom zone. The map shows the coastline of North America on the right and the Hawaiian Islands on the left. A network of lines and dots is visible in the upper right corner, possibly representing a satellite or communication network.

AUG 29

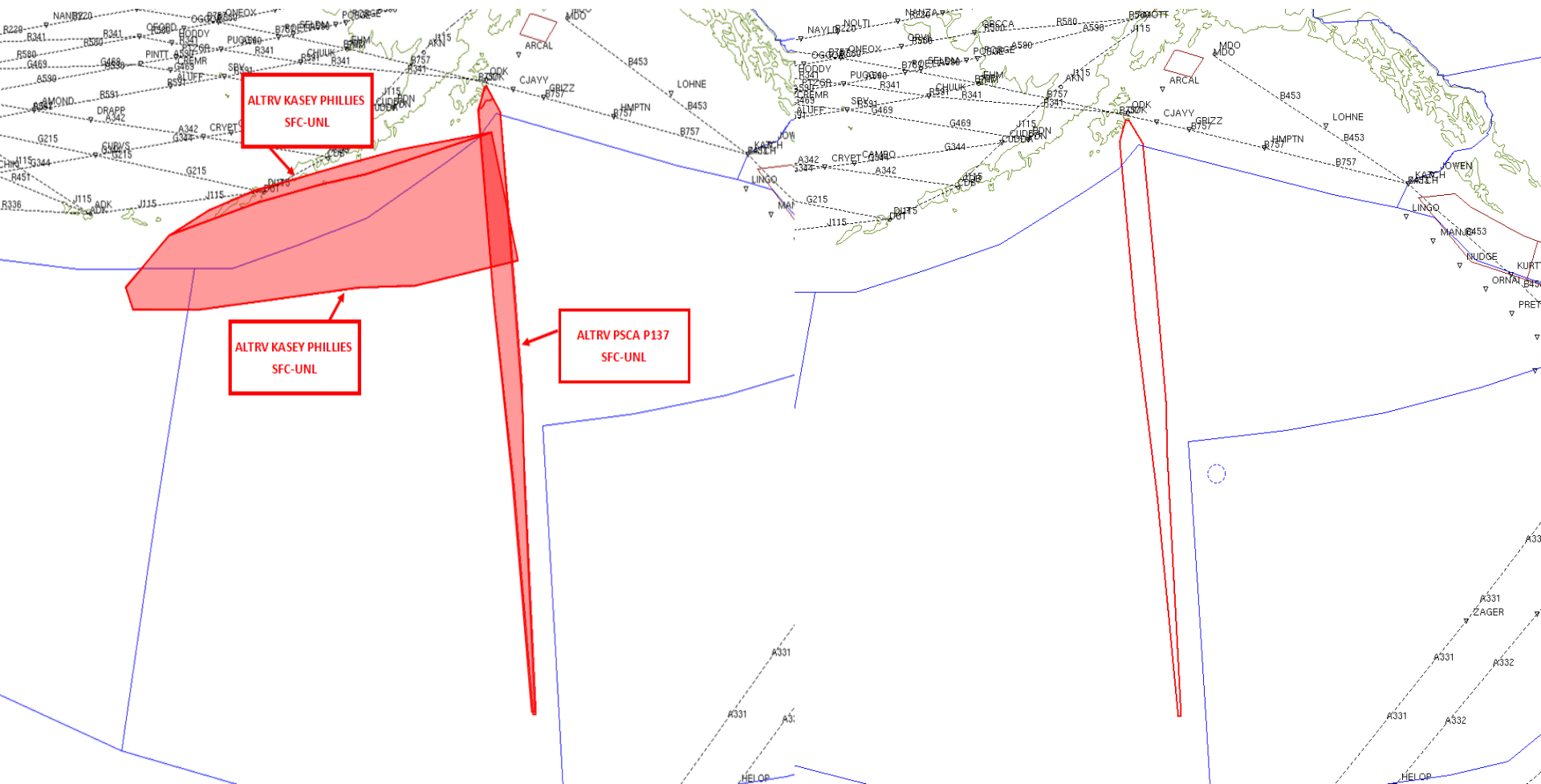
SEPT 2-4

SEPT 5-6

NASA ARTEMIS-1

Launch Core Booster Drop

Kodiak Events: ASTRA P-137 & Military Testing



AIDC Updates

- **AIDC W/Ujung**
 - Testing complete, LOA in progress with revisions to be complete-TBD
- **AIDC W/Manilla**
 - Testing completed, working on final draft of MOU for test implementation. TBD Oct. 2022

NOTE: Only two remaining ANSPs for Oakland without AIDC interface.



ATOP T-29 System Upgrade

- **Workforce training to begin 9-11**
- **Implementation proposed week of 9-26**
- **Functionality Enhancements:**
 - 23NM Lateral Separation
 - Enhanced Trial Probe
 - Enhanced Application of Distanced Based Separation



Other Facility Updates

- **UPR NOTAMs extended until Nov. 2022 for increased flexibility for UPRS**
- **Domestic CPDLC implemented at Oakland Center**
- **Updated UPR Guidance for KZAK will be published in the Chart Supplement in November 2022.**
- **Coordinating with ZLA on a proposal to reduce Control Extension closures impacting CEP Routes and coastal traffic.**



Oakland ARTCC Webpage

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Oakland Air Route Traffic Control Center (ZOA)
 Print

At the heart of Oakland ARTCC is a team of Air Traffic and Technical Operations Professionals. Oakland Center is unique in that two distinctly different air traffic control functions are handled here. There is the normal en route air traffic control as well as an oceanic air traffic operation that manages the largest volume of international airspace in the world at one facility.

- [KZOA Domestic ATC Operations](#)
- [KZAK Oceanic ATC Operations](#)
- [NOTAMs, TFRs, SUAs](#)





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http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/artcc/oakland/





Questions?

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