

Oakland ARTCC

IPACG/46

Presented to: IPACG/46-Plenary

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Date: October 2020



**Federal Aviation
Administration**

Oakland Center (KZAK FIR) UPDATE

- **Current Operational Stats**
 - Staffing
 - Crew Rotation
 - Training
- **Contingency Procedures (COVID-19)**
 - Oceanic Areas
 - Domestic Areas
- **FIR Traffic Data**
 - Volume
 - Aircraft Distribution Types
 - Equipage
 - CDP
- **Launch Activity**
- **Pacific Operators TIM**
 - Planned Actions-Track Advisory Program Trial Suspension
 - UPR Guidance Updates



Operational Stats

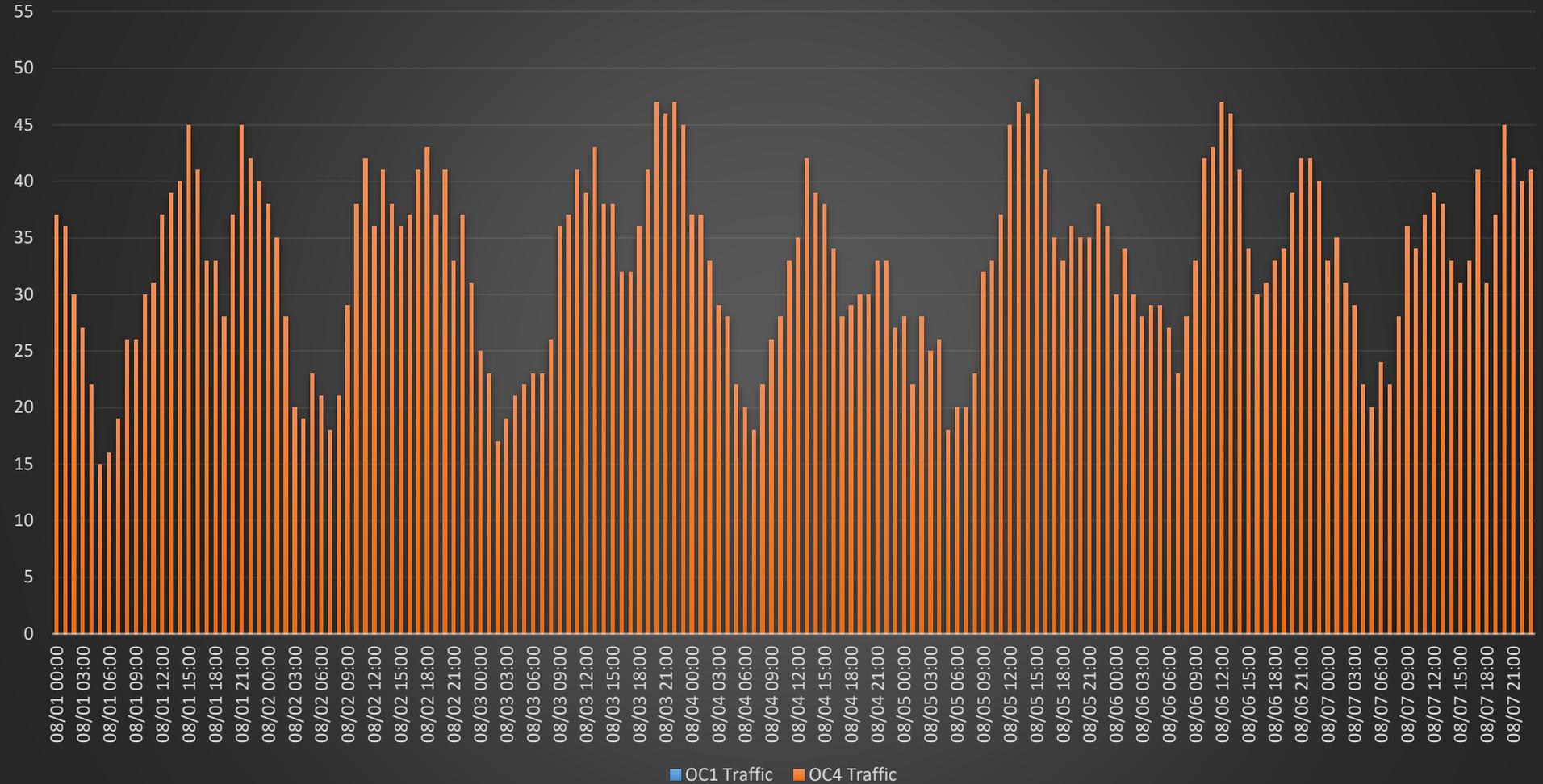
- **Pacific South**
 - 30 CPCs
 - 17 DEVs
- **Rotational Shifts**
 - 5 On/5 Off
 - Limited Training
- **Pacific North**
 - 35 CPCs
 - 16 DEVs
- **Rotational Shifts**
 - 5 On/5 Off
 - Limited Training



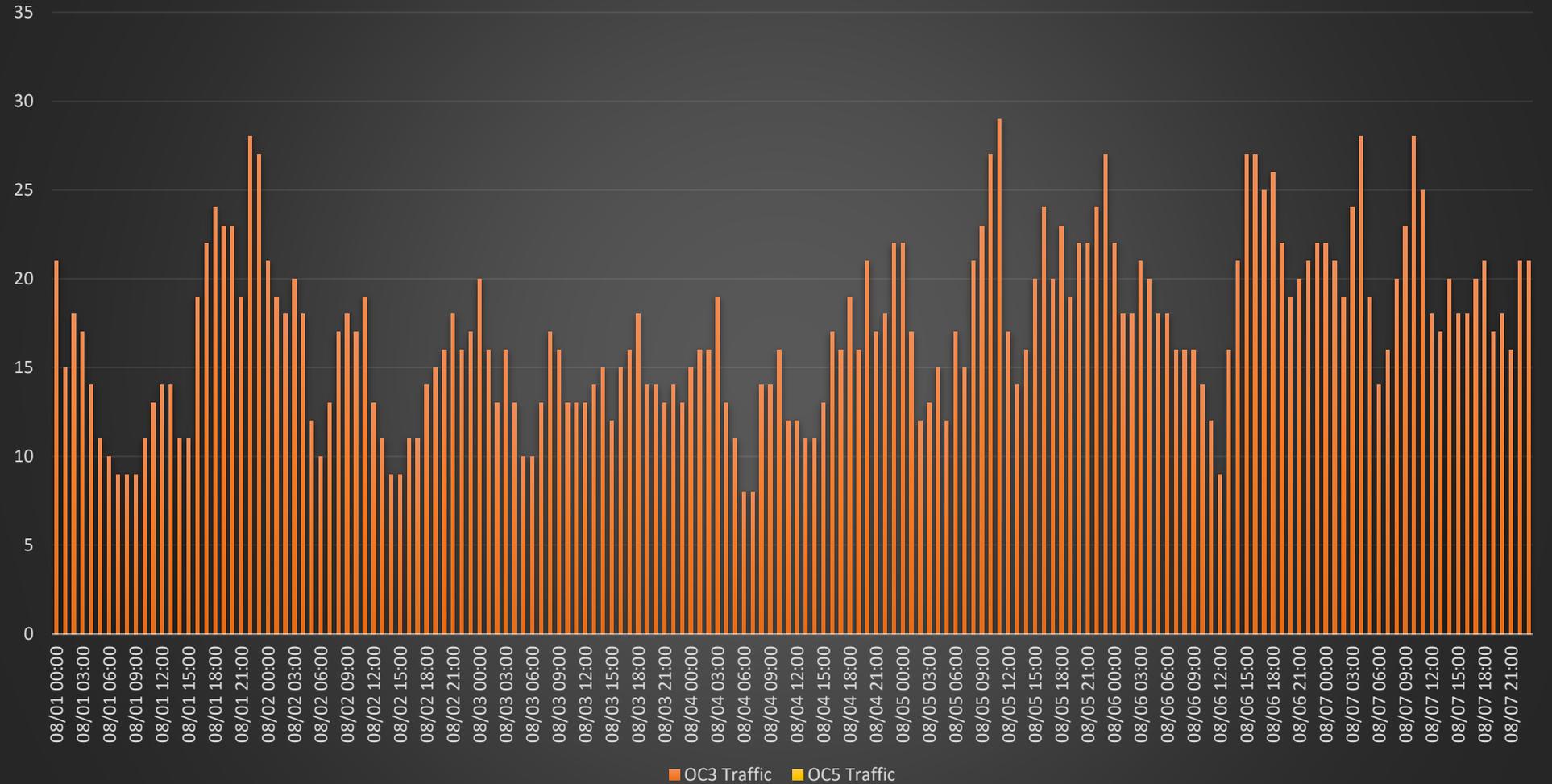
Contingency Procedures (COVID-19)

- On 8/21/2020 Oakland Center had their 1st ATC event, all operational and non-operational areas were cleaned.
- ATC Limited was declared for KZOA (Domestic) and KZAK (Oceanic) remained fully operational.
- A barrier wall was used between the Oceanic and Domestic Areas to create two sterile rooms.
- Modifications are being made to streamline these types of events based on lessons learned.

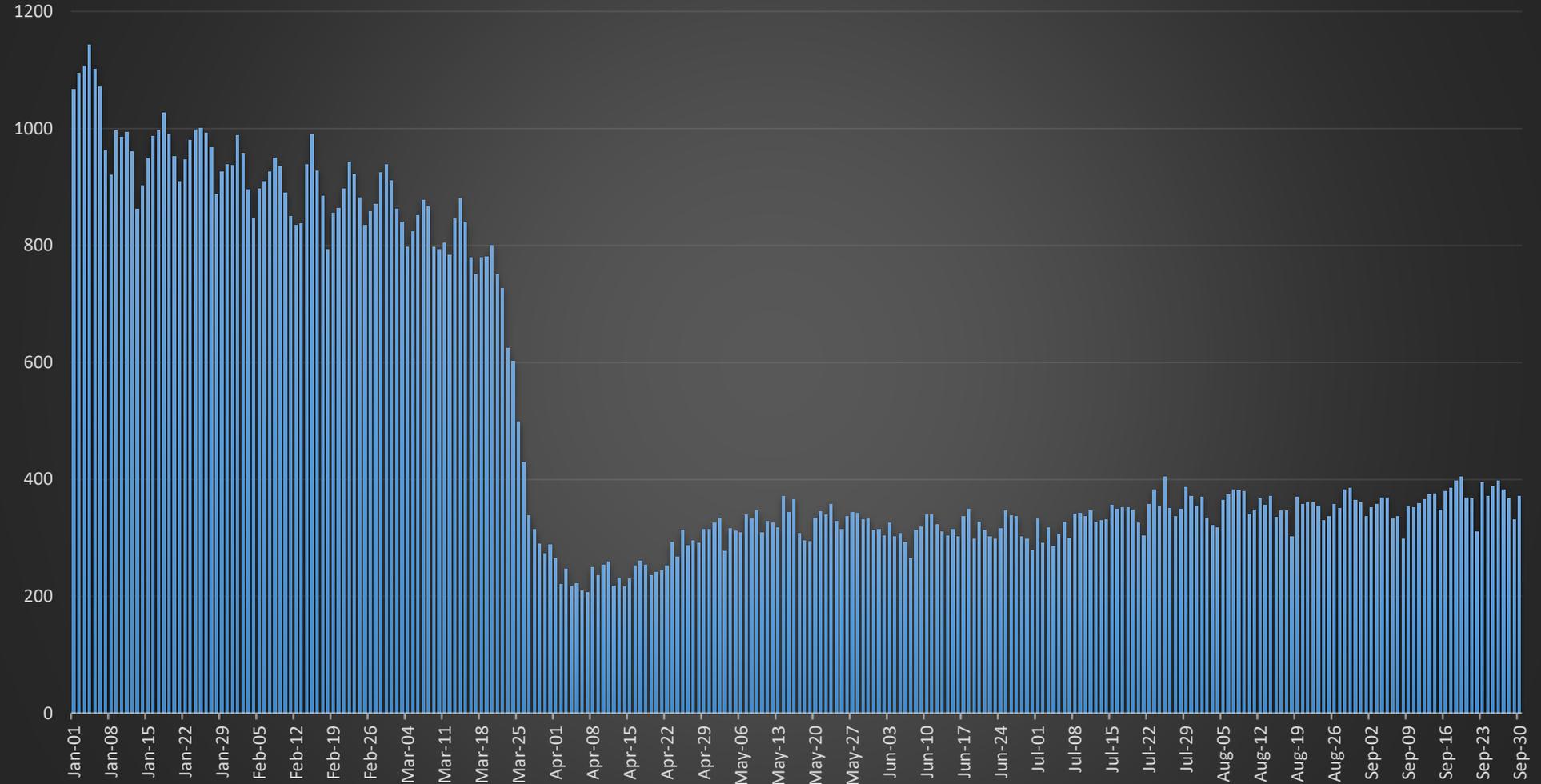
Pac North Traffic Aug 1st - Aug 7th, 2020



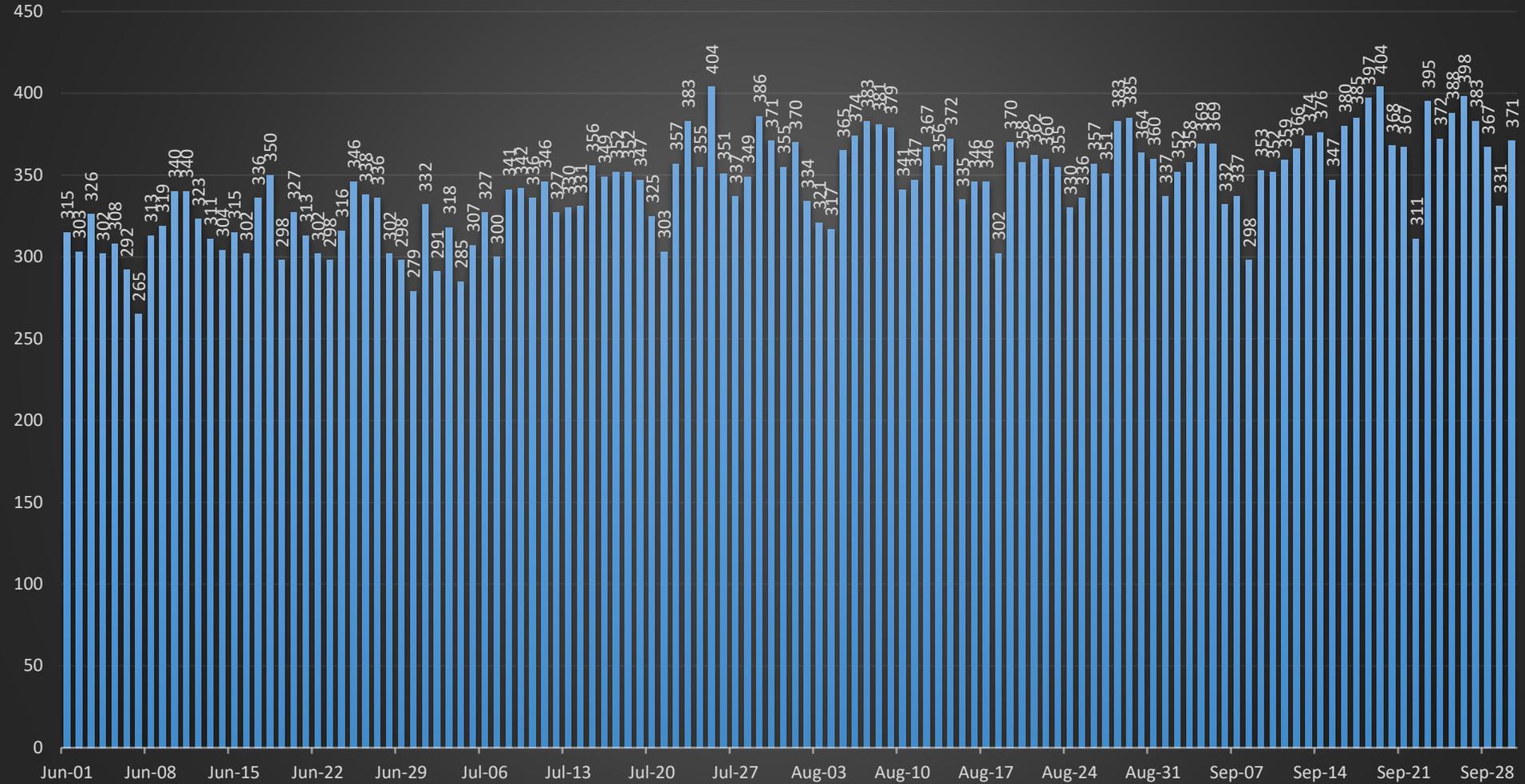
Pac South Traffic Aug 1st - Aug 7th, 2020



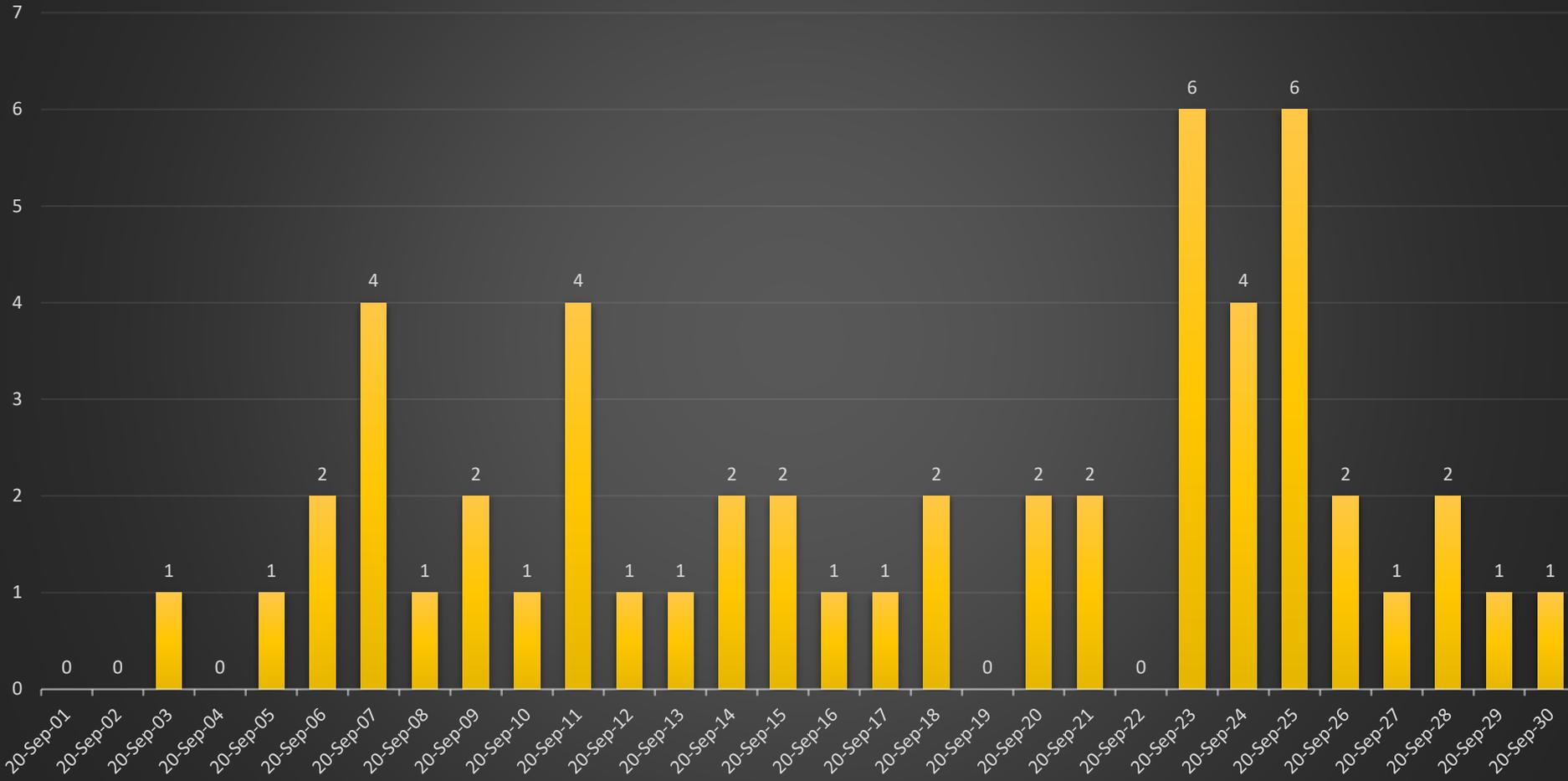
Oakland Oceanic Traffic Count Jan 1st - Sep 30th, 2020



Oakland Oceanic Traffic Count Jun 1st - Sep 30th, 2020



CDP Usage in KZAK September, 2020

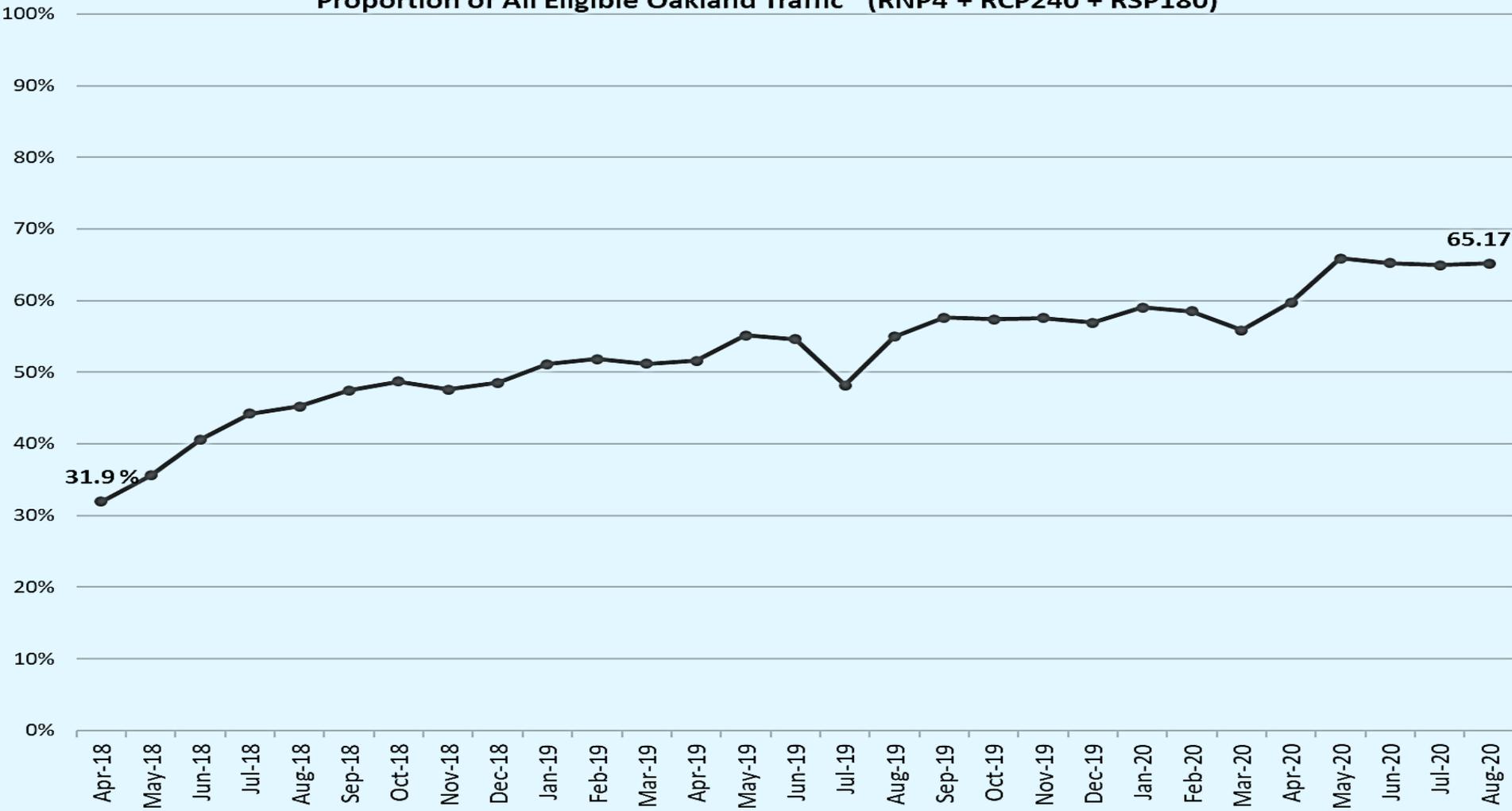


Oceanic Equipage by Traffic Flow

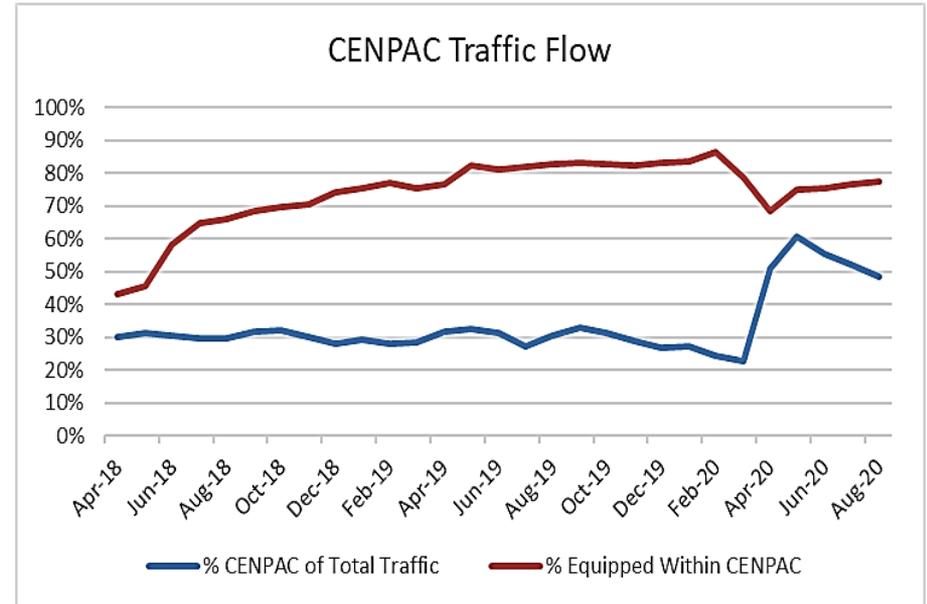
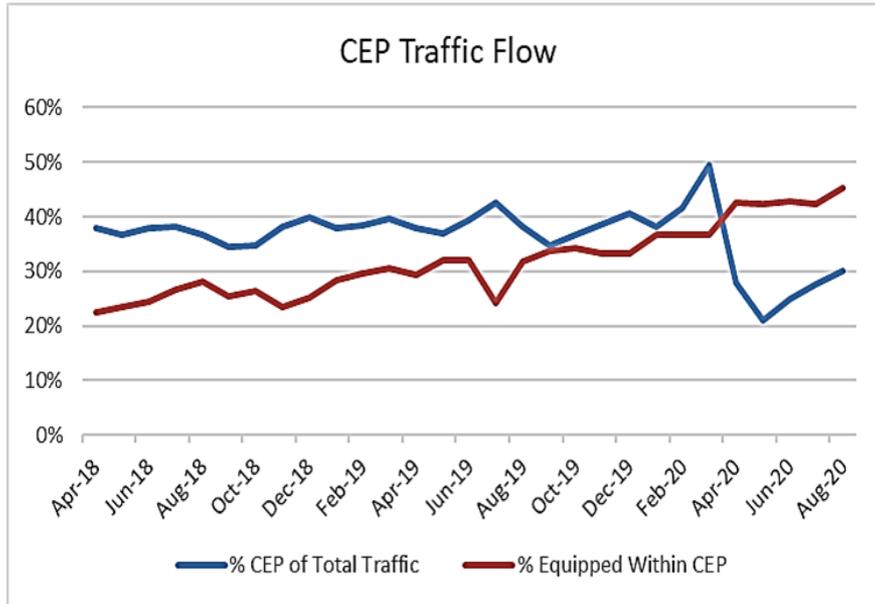
Flow Designator	Flow Name	Description of Flow
CEP	Central East Pacific	Hawaii to/from North America
CENPAC	Central Pacific	North America to/from Japan/Korea/Asia
SOPAC	South Pacific	North America to/from South Pacific States
JPGUAM	Japan to Guam Area	Japan to/from Guam/Saipan other proximate locations
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



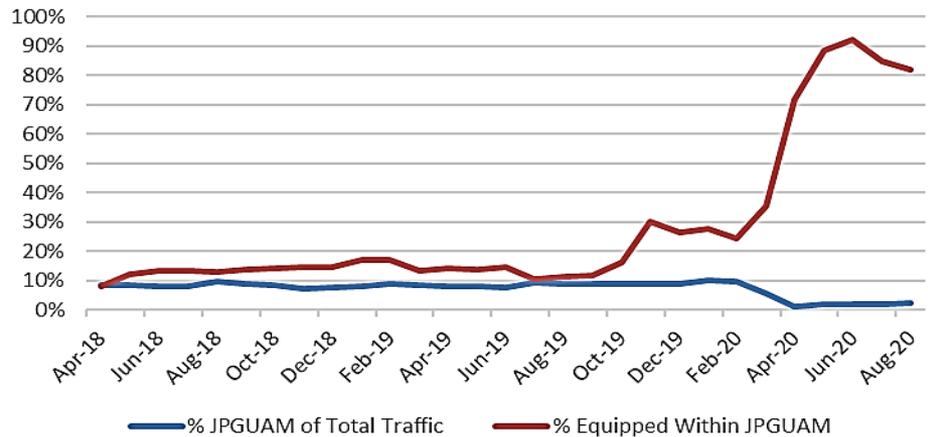
Proportion of All Eligible Oakland Traffic (RNP4 + RCP240 + RSP180)



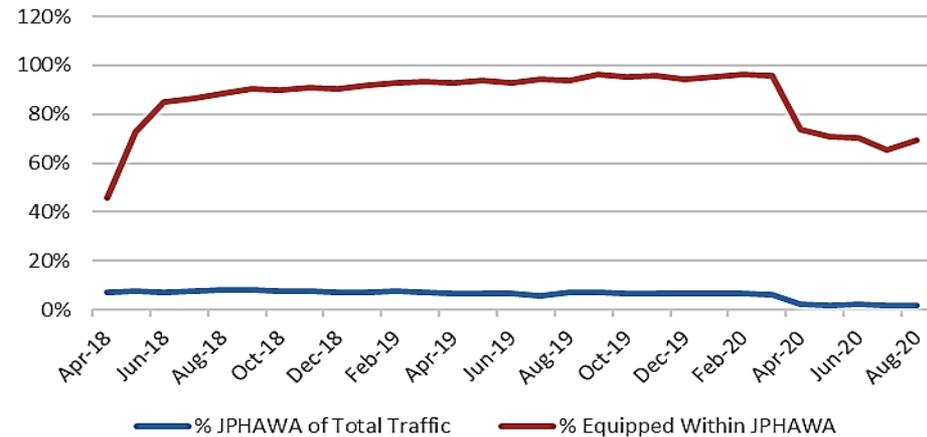
Traffic Flows



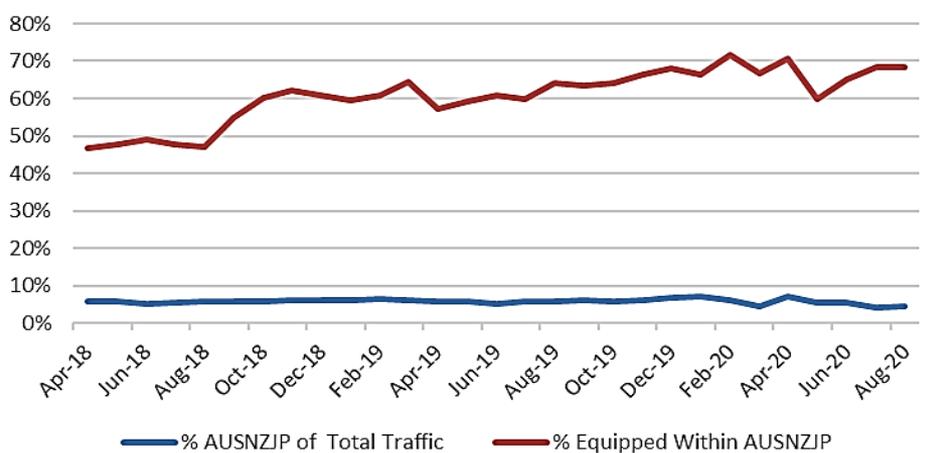
Japan-Guam Traffic Flow



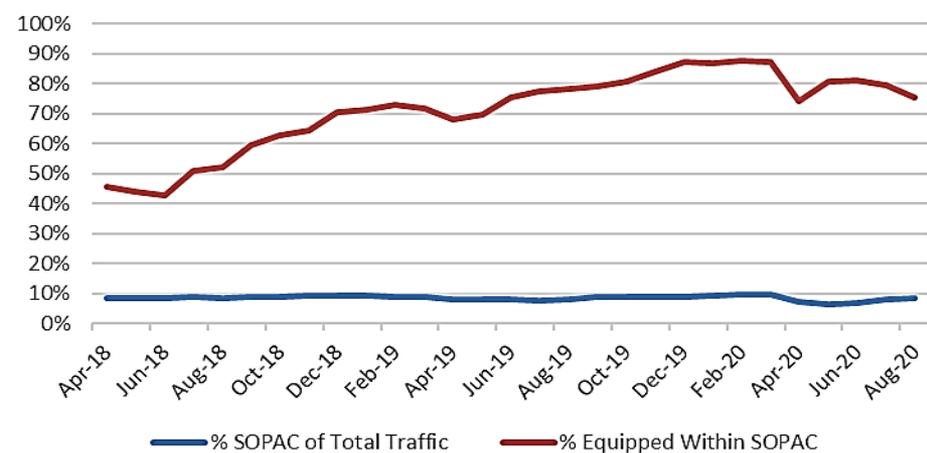
Japan-Hawaii Traffic Flow



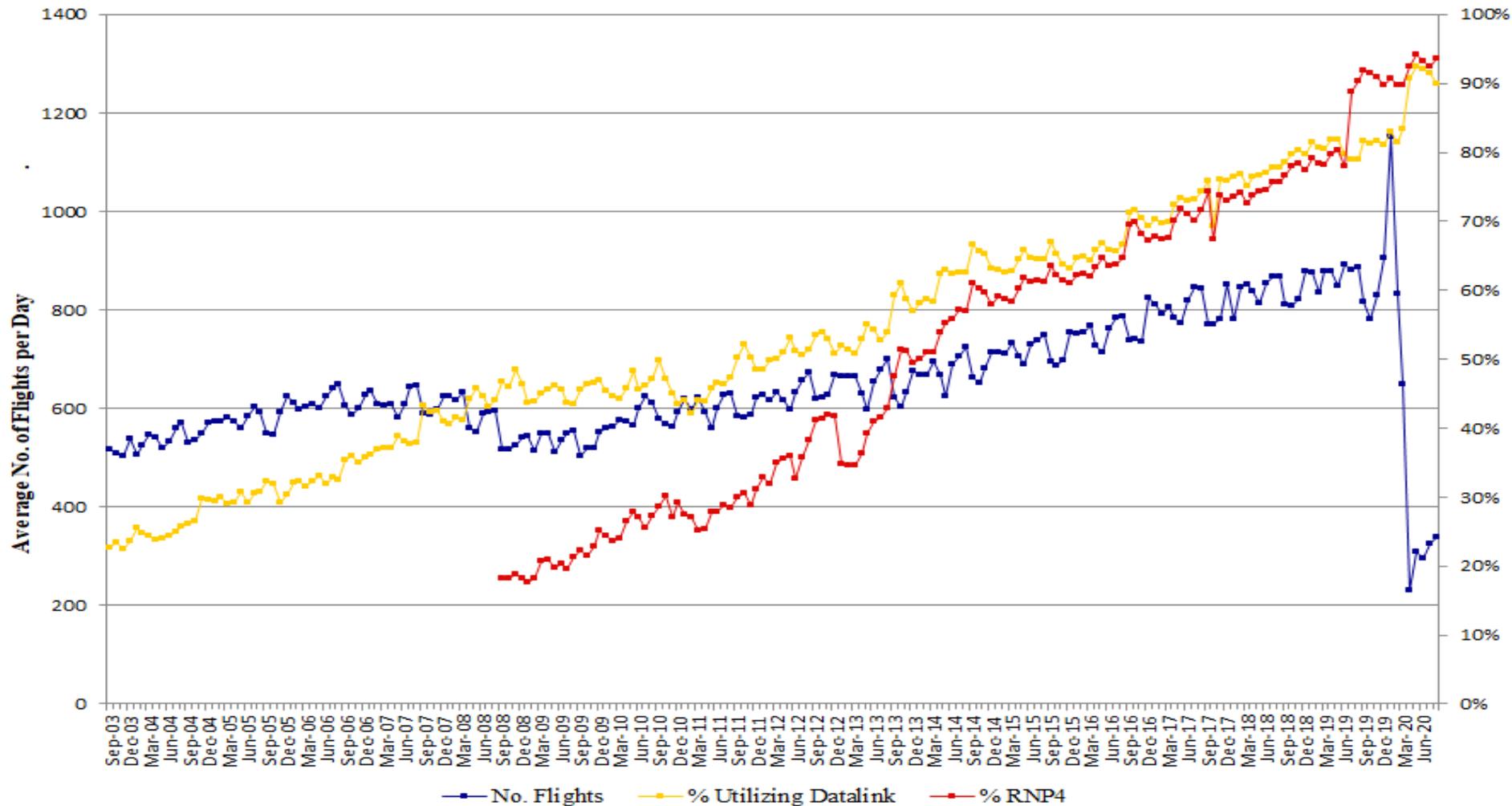
Australia/New Zealand-Japan Traffic Flow



SOPAC Traffic Flow



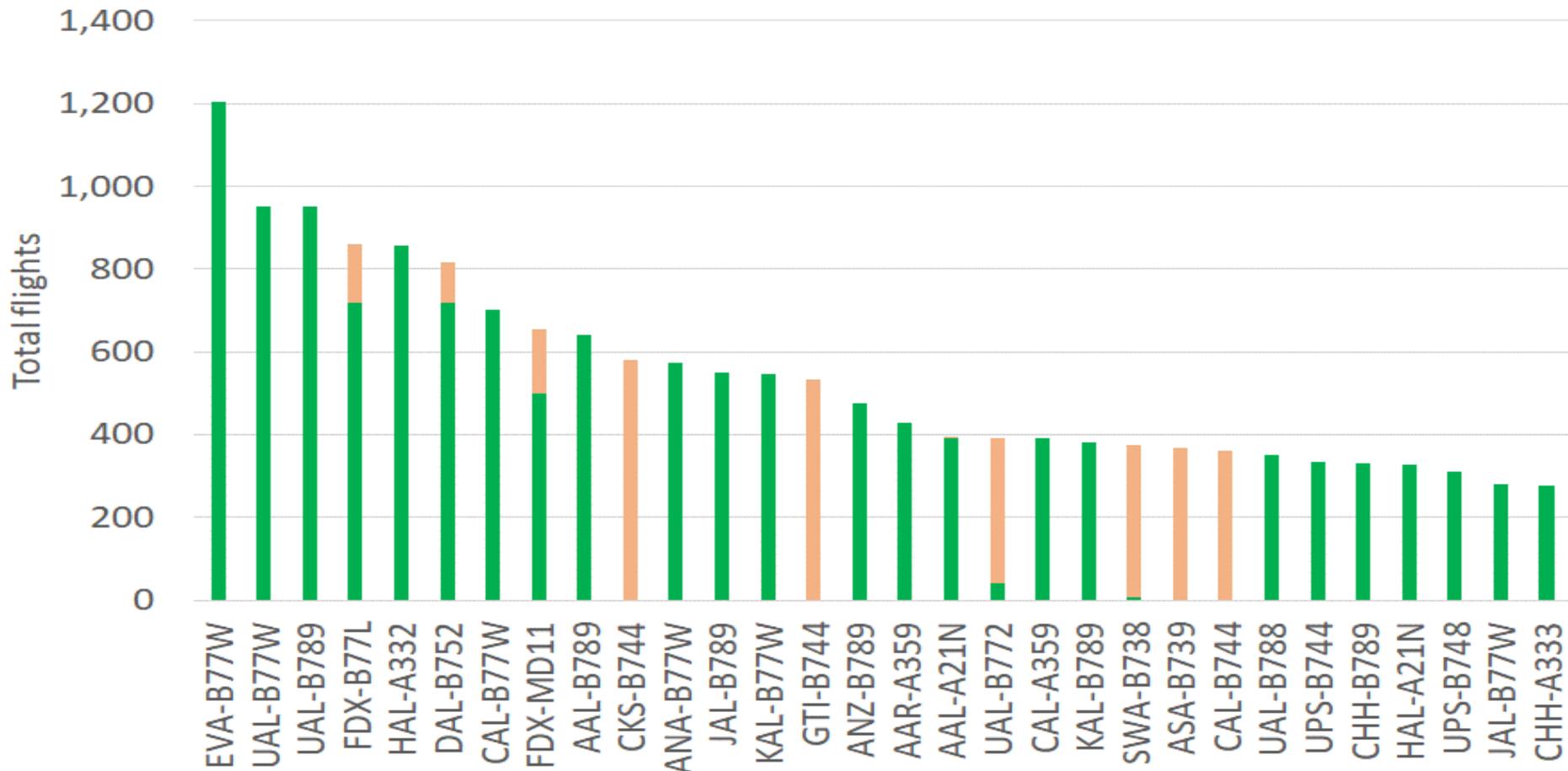
ZOA Flights & Equipment Utilization



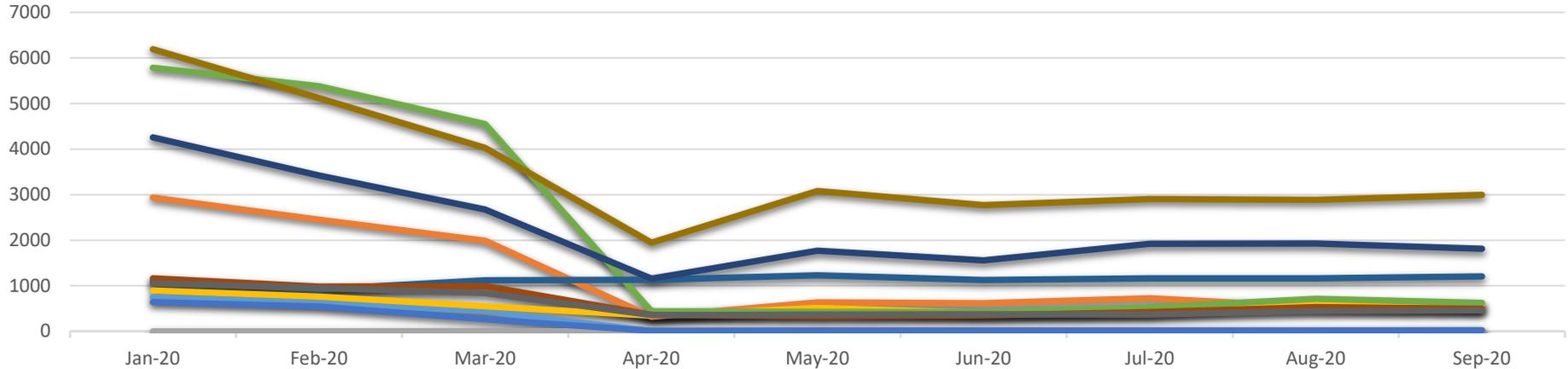
Oakland Top Data Link Fleets - PBCS Equipage filing - Jun-Aug 2020

■ D1 and J5orJ7 and P2 and RSP180

■ D1 and J5orJ7 but no P2, RSP180



Aircraft Type Trend - Oakland, 2020



	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
A32x	752	628	444	5	1	5	5	5	8
A33x	2936	2451	1986	322	636	618	729	539	505
A34x	0	0	6	0	3	8	6	0	0
A35x	899	760	553	341	514	402	414	635	597
A38x	642	542	263	11	15	14	19	17	24
B73x	5787	5379	4551	444	430	424	526	713	624
B74x	1097	918	1118	1135	1232	1127	1160	1161	1207
B75x	1161	983	992	360	332	350	420	531	497
B76x	1053	952	841	356	368	372	370	445	458
B77x	6194	5120	4025	1945	3080	2771	2902	2888	2994
B78x	4260	3419	2674	1156	1770	1557	1923	1929	1814

— A32x
 — A33x
 — A34x
 — A35x
 — A38x
 — B73x
 — B74x
 — B75x
 — B76x
 — B77x
 — B78x



Commercial Launch Activity

ASTRA (KODIAK PSCA)

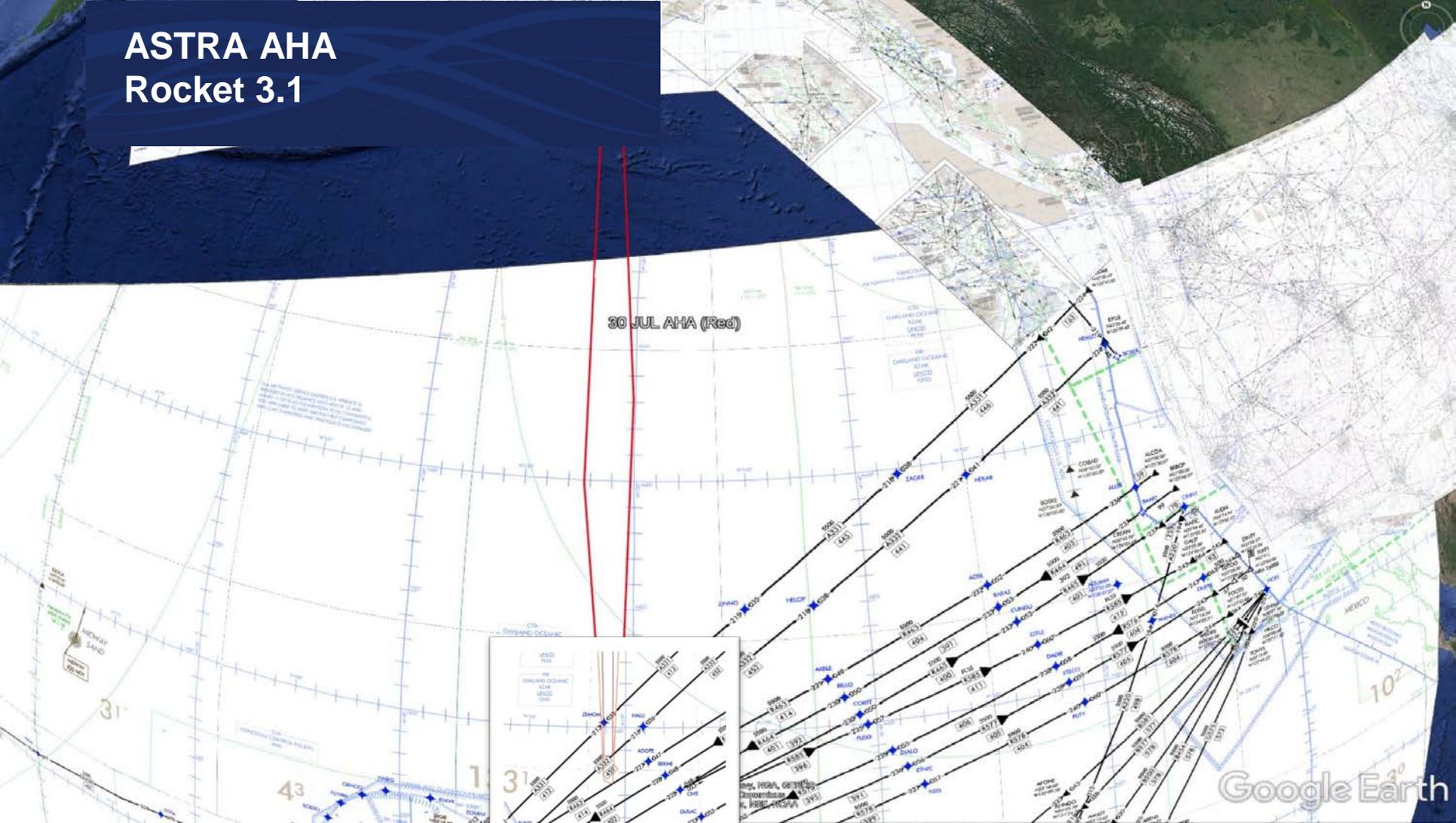
1st Attempt-August 2020

2nd Attempt-September 2020



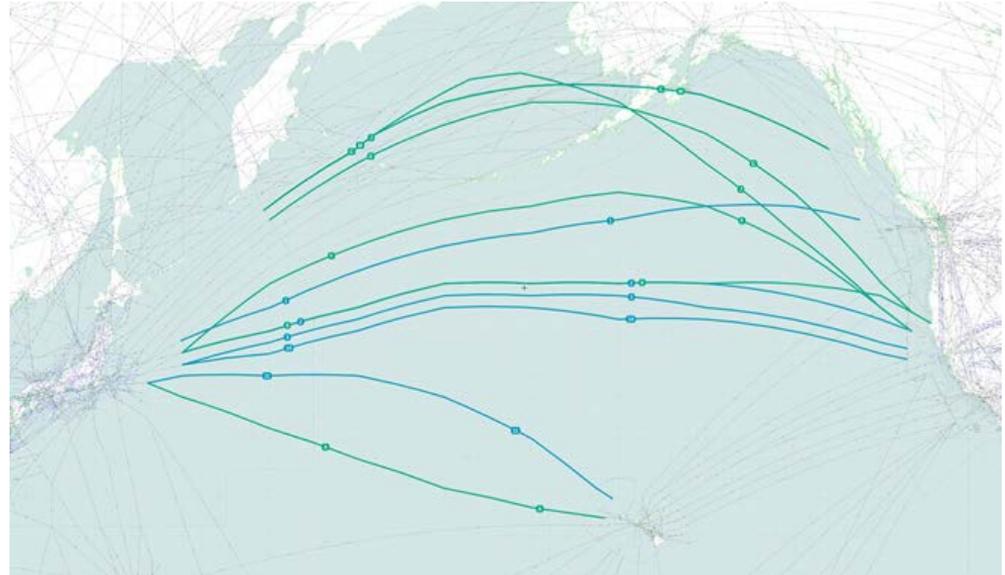
ASTRA AHA Rocket 3.1

30 JUL AHA (Red)



IATA Request - Cost Savings and Efficiency

- **Remove underutilized Pacific Organized Tracks (PACOTS)**
- **Increase UPR flexibility and update references to reflect current information**
- **Cancel the Track Advisory Program for Western Pacific Organized Tracks**
- **Review all Pacific airspace for improved efficiencies**



Pacific Operators' Technical Meeting

Planned Actions

- Trial removal of the Track Advisory (TA) program from the Western PACOTS for three months. Success may lead to permanently discontinuing the program.
- Compose NOTAM advising of Oakland Center's (KZAK FIR) intention to suspend the TA program, distributed to airlines in advance for feedback.
- Modified the Track Definition Message (TDM) to clarify changes.
- Post an ancillary message on the DPO (DOTS ONLINE) portal for registered users.
- Trial is expected to begin November 2020.

Proposed Actions

- Data analysis to support initial proposed removal of Tracks 8 and M.
- Revise and simplify PACOTS UPR guidelines and revise guidance in the Pacific Chart Supplement. Target completion by early 2021.
- Coordinate proposed UPR amendments with adjacent ANSPs.
- Coordinate removal proposal of underutilized PACOTS with JCAB and ZAN.
- Conduct Safety Risk Management of changes with operational workforce at Oakland Center.
- No dates set for PACOT permanent removals, still under review.



Oakland ARTCC Webpage

The screenshot shows the Oakland ARTCC webpage on the FAA website. At the top, there is a navigation bar with links for FAA Home, About FAA, Jobs, News, A-Z Index, and a button labeled 'I Am A ...'. Below this is a search bar with a 'Search' button. A secondary navigation bar contains links for Aircraft, Airports, Air Traffic, Data & Research, Licenses & Certificates, Regulations & Policies, and Training & Testing. The main content area has a breadcrumb trail: 'FAA Home » Offices » Air Traffic Organization » Air Route Traffic Control Centers (ARTCC) ». The page title is 'Oakland Air Route Traffic Control Center (ZOA)'. There is a 'Print' button. The main text describes the Oakland Center as unique for handling both en route and oceanic air traffic. A red arrow points to a list of links: 'KZOA Domestic ATC Operations', 'KZAK Oceanic ATC Operations', and 'NOTAMs, TFRs, SUAs'. Below the text is a photograph of the Oakland ARTCC building. To the right of the photo is contact information for Rohitkumar Desai, Web POC, including a 'ZOA Web Site' and 'Feedback' link. On the left side, there is a sidebar with a 'Federal Aviation Administration' logo and links for 'Air Traffic Organization', 'ATO Organization', 'Air Route Traffic Control Centers (ARTCC)', 'Airport Traffic Control Towers (ATCT)', and 'Terminal Radar Approach Control Facilities (TRACON)'. At the bottom of the screenshot, a blue box contains the URL: 'http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/artcc/oakland/'.

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



Questions?

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