

# Oakland Center Update

Presented to: ISPACG

By: Dustin Byerly

Date: 4/12/2018



# Oakland ARTCC Webpage



FAA Home About FAA Jobs News A-Z Index [I Am A ...](#)

Federal Aviation Administration

Search

Aircraft Airports Air Traffic Data & Research Licenses & Certificates Regulations & Policies Training & Testing

FAA Home » Offices » Air Traffic Organization » Air Route Traffic Control Centers (ARTCC) »

## Air Traffic Organization

ATO Organization

### Air Route Traffic Control Centers (ARTCC)

Airport Traffic Control Towers (ATCT)


Terminal Radar Approach Control Facilities (TRACON)

## 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](#)



Oakland ARTCC  
5125 Central Ave.  
Fremont, CA. 94536  
Phone: (510) 745-3000

Rohitkumar Desai,  
Web POC  
[ZOA Web Site](#)  
[Feedback](#)

[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/)



# PACOTS vs UPRs



**Overall 19 of 22  
PACOTS Tracks  
have been  
replaced with  
UPRs**



# High Altitude UPR's

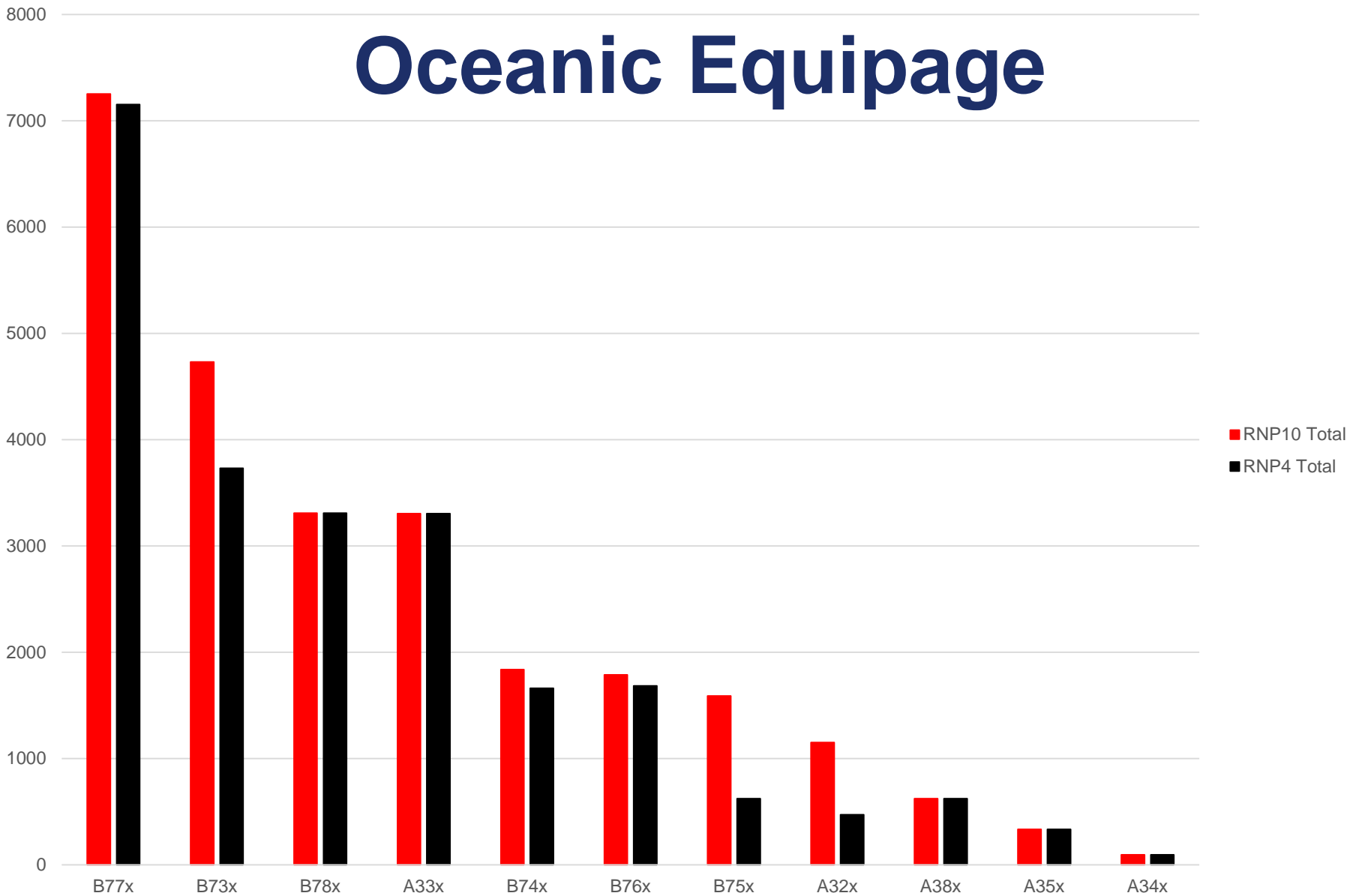


# High Level UPR Trial

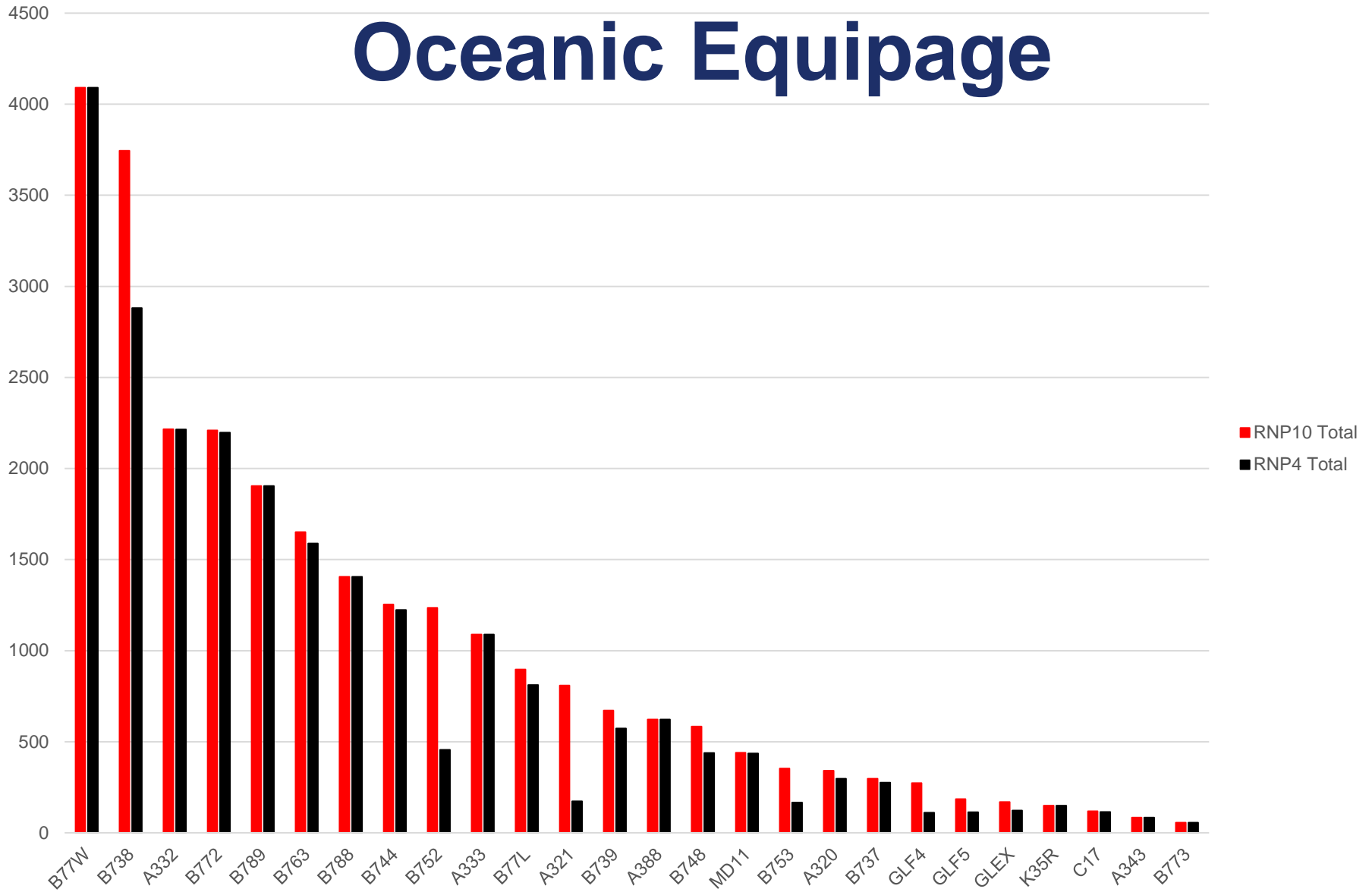
- **Newer Composite aircraft climb above most traffic on PACOTS routes.**
- **Anchorage ARTCC started a High Level UPR Trial allowing aircraft at or above F380 by 180E can UPR up to NIPPI or OMOTO.**
- **Oakland has published the guidelines for a High Level UPR Trial as an alternative to westbound PACOTS to NOPAC**
- **Trial will have an indefinite lifespan.**



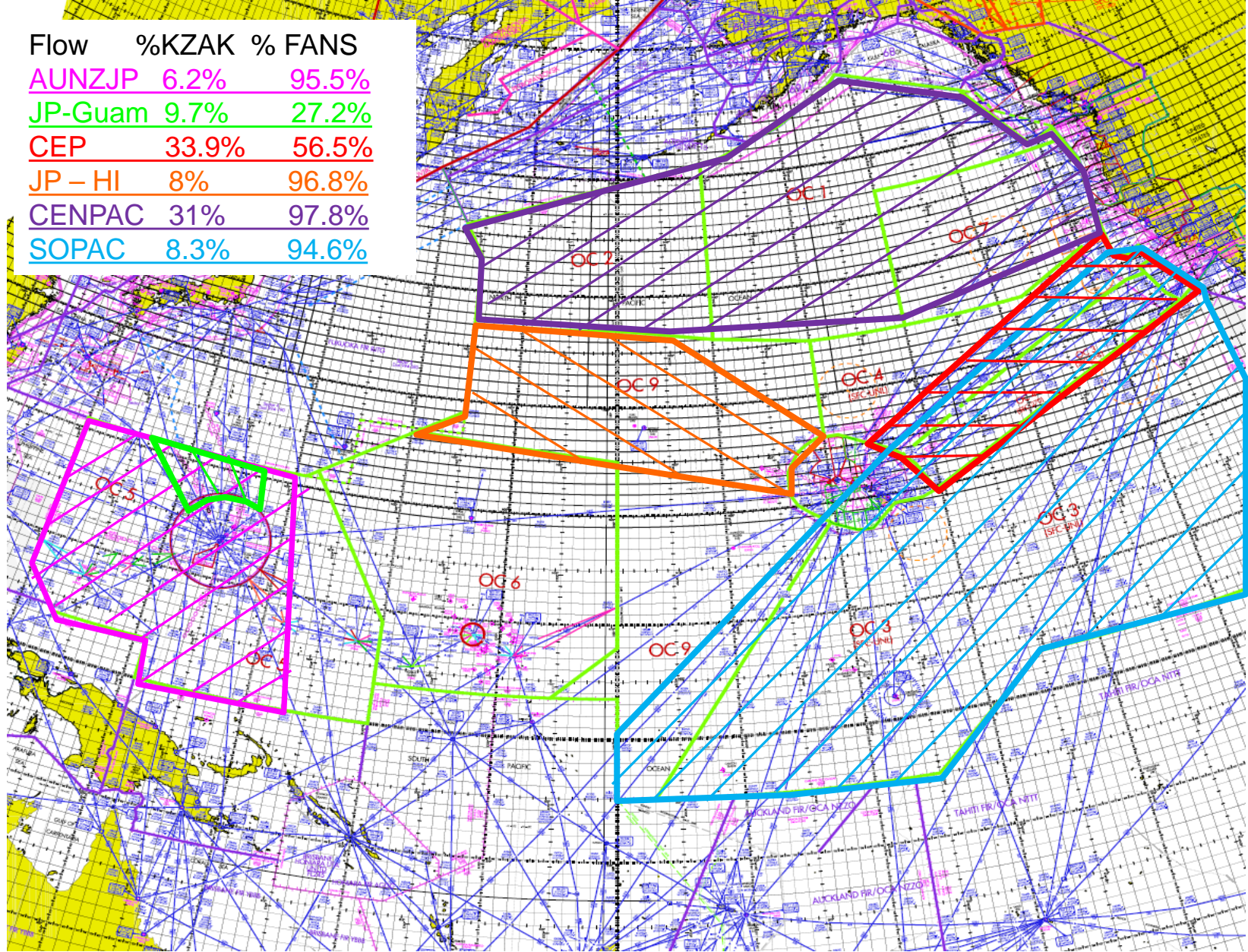
# Oceanic Equipage



# Oceanic Equipage



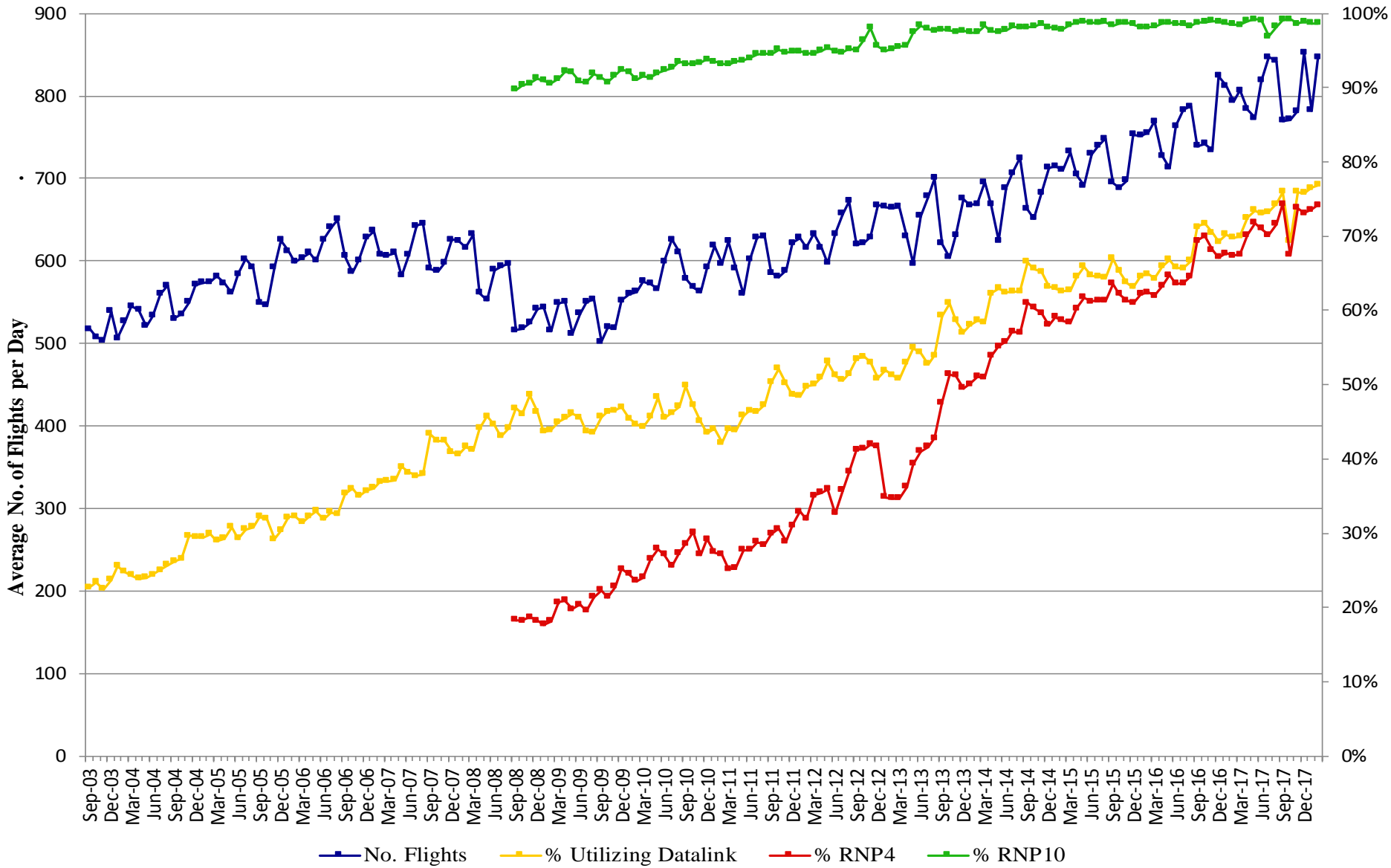
| Flow    | %KZAK | % FANS |
|---------|-------|--------|
| AUNZJP  | 6.2%  | 95.5%  |
| JP-Guam | 9.7%  | 27.2%  |
| CEP     | 33.9% | 56.5%  |
| JP - HI | 8%    | 96.8%  |
| CENPAC  | 31%   | 97.8%  |
| SOPAC   | 8.3%  | 94.6%  |



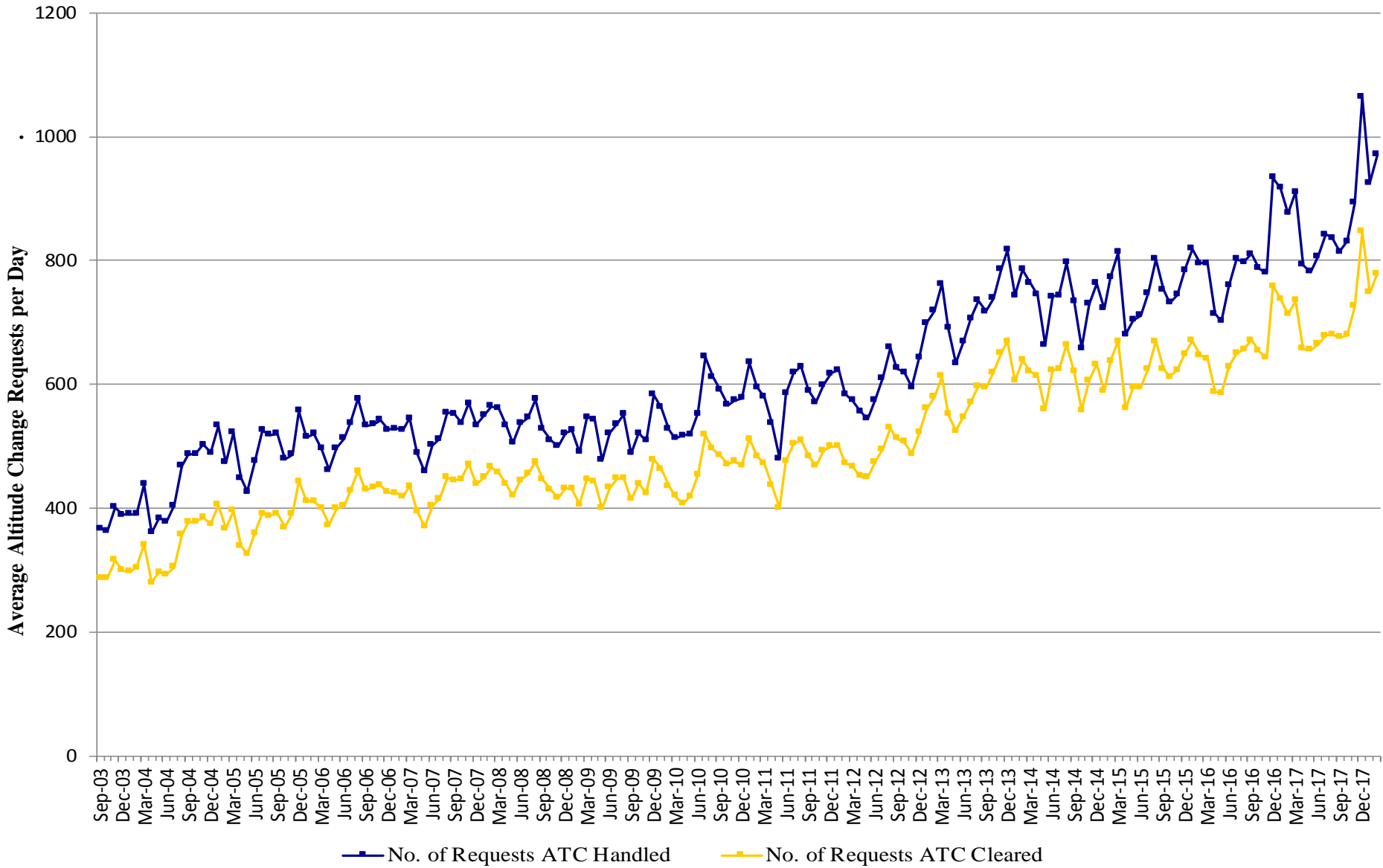
Federal Aviation  
Administration



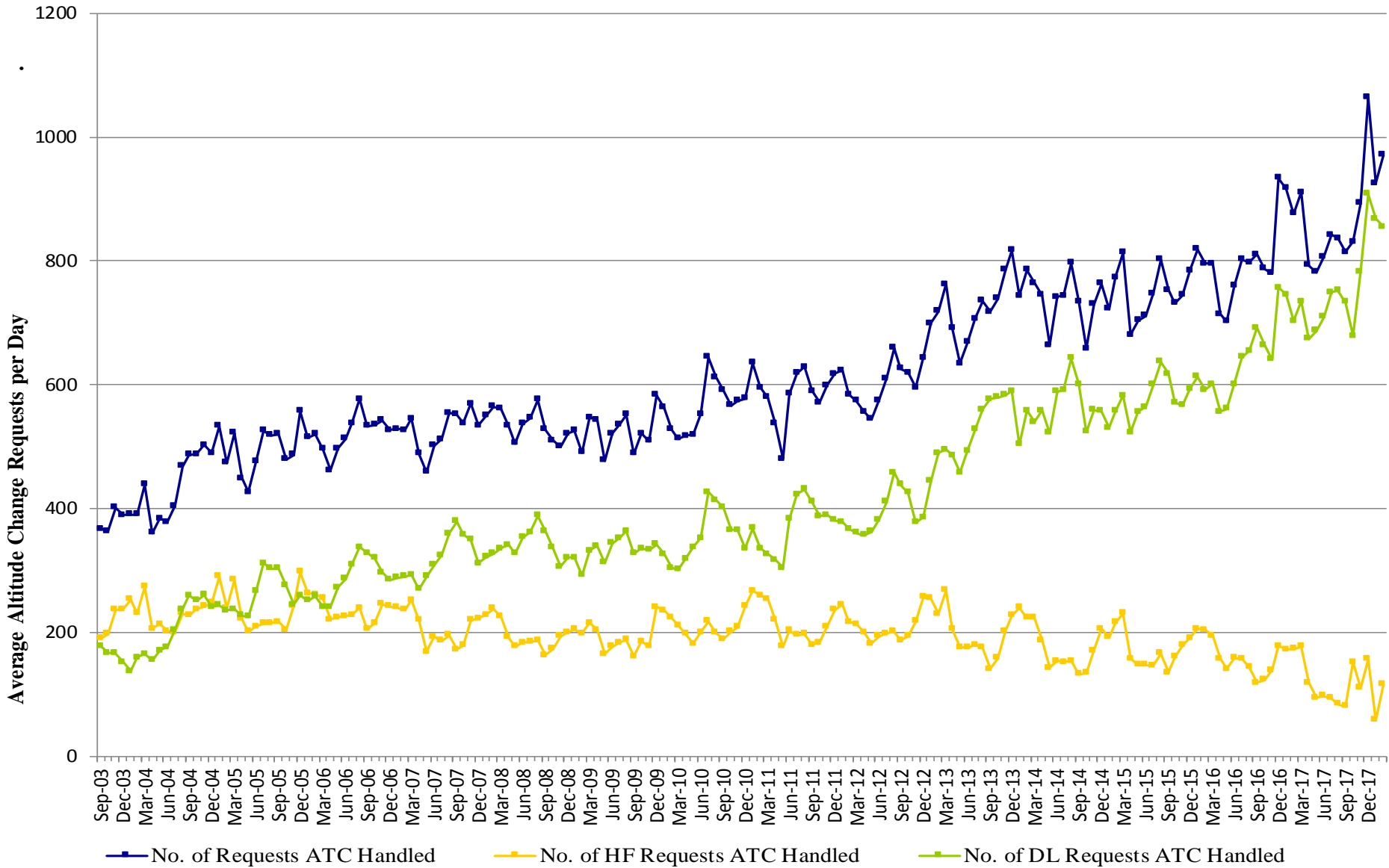
# ZOA Flights & Equipment Utilization



# ZOA Altitude Change Requests



# ZOA Altitude Change Requests ATC Handled



# RNP4 and FANS Improves efficiency

□ DAL2237  
340  
N157

□ DAL1151  
390  
N394

FANS  
RNP10

□ FDX3875  
360  
N410

□ UAL650 3  
350  
N536

FANS  
RNP4

Non FANS RNP10

□ N17CX  
410  
N522

□ DAL836 3  
& 340↑360  
N522  
r360



# Un-Announced Speed Changes

ISPACG 32

Dustin Byerly

SM IAP

Oakland ARTCC

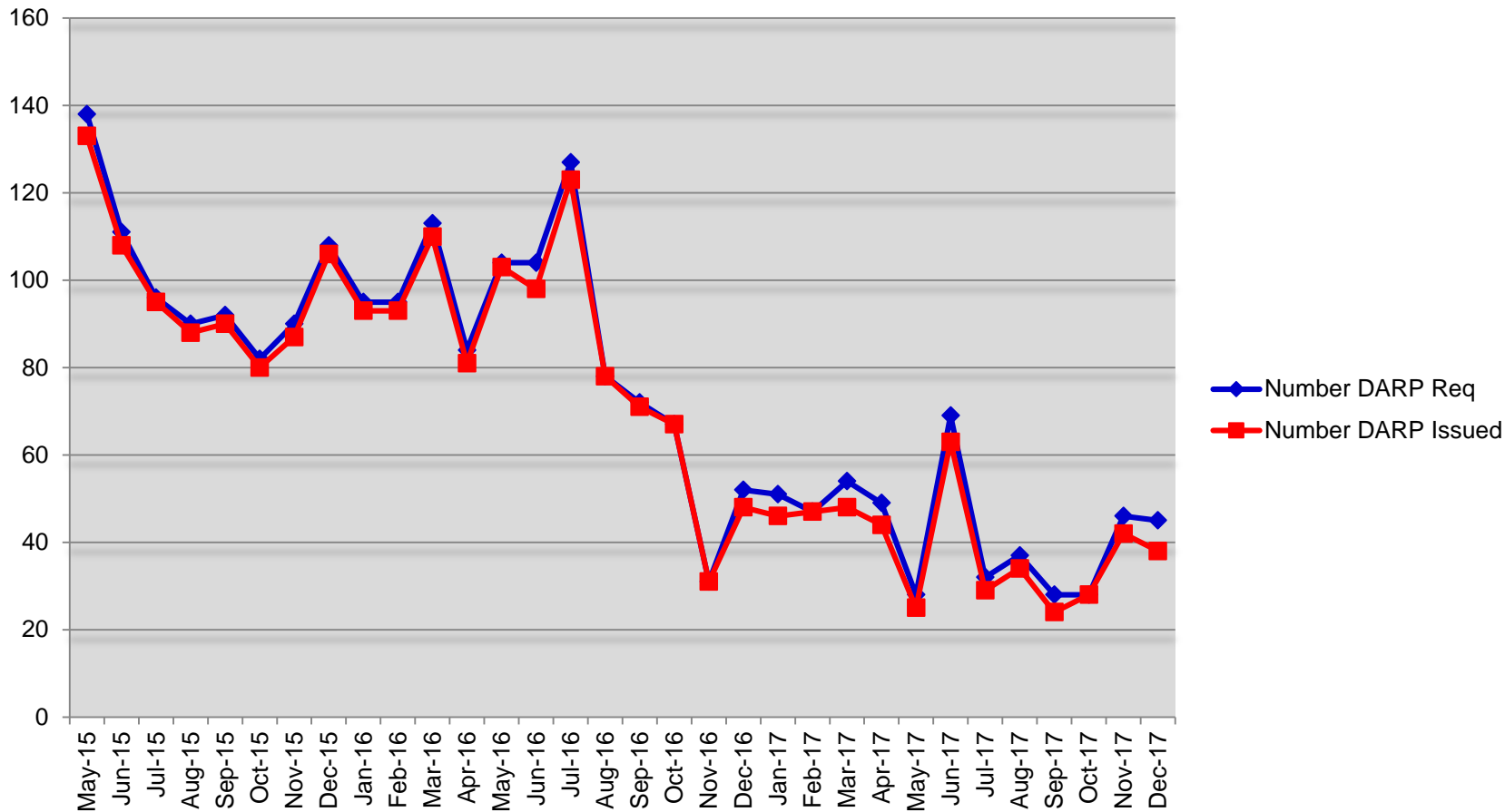


Federal Aviation  
Administration

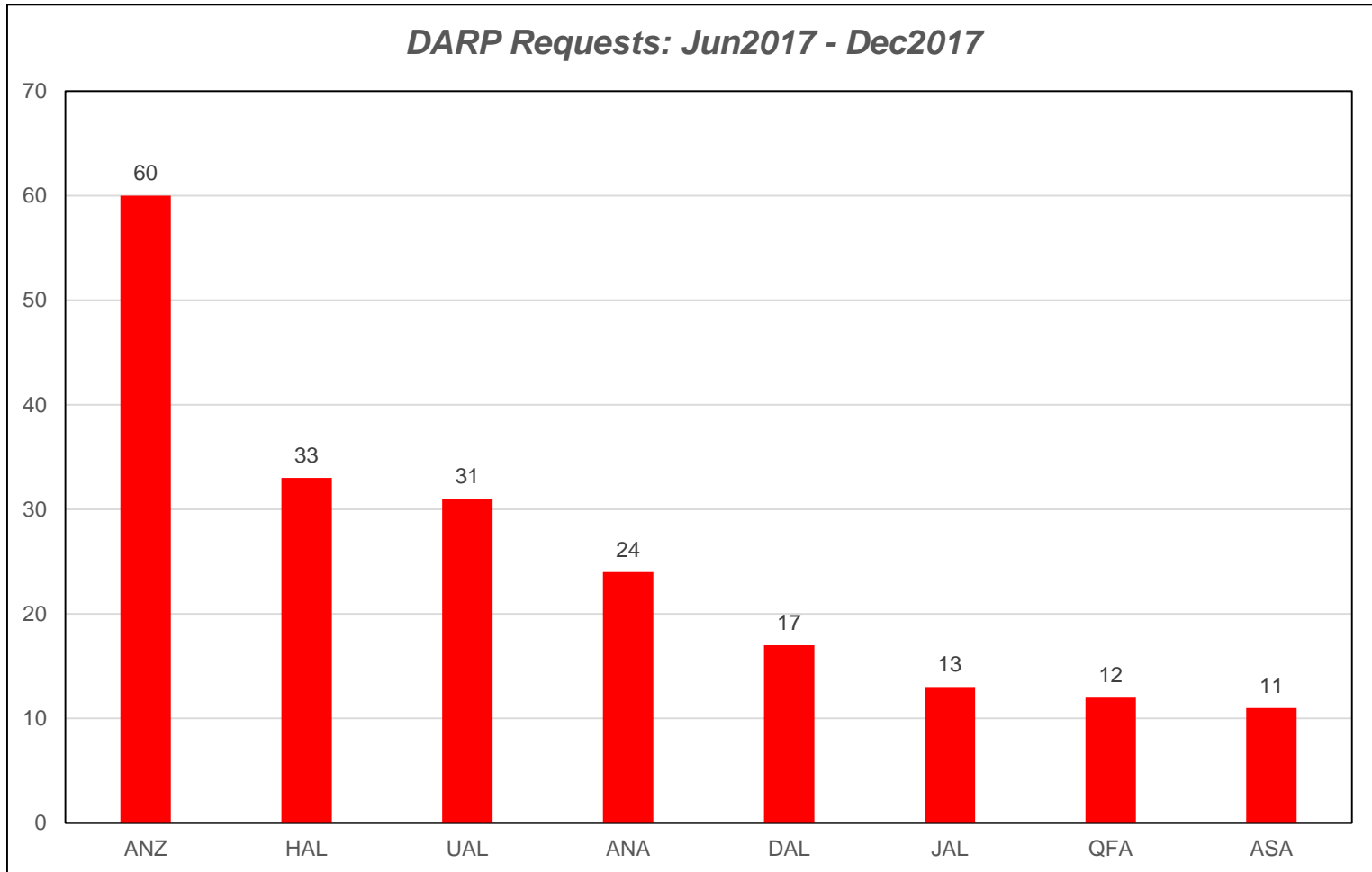


Federal Aviation  
Administration

# DARP



# DARP





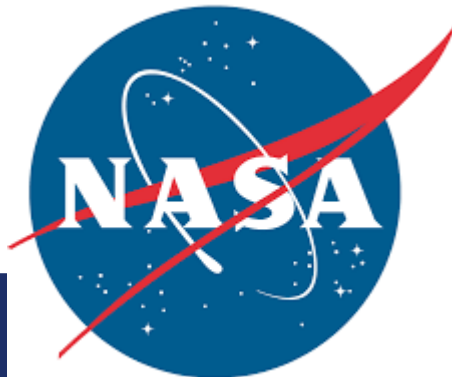
SPACEX



MISSILE DEFENSE  
AGENCY

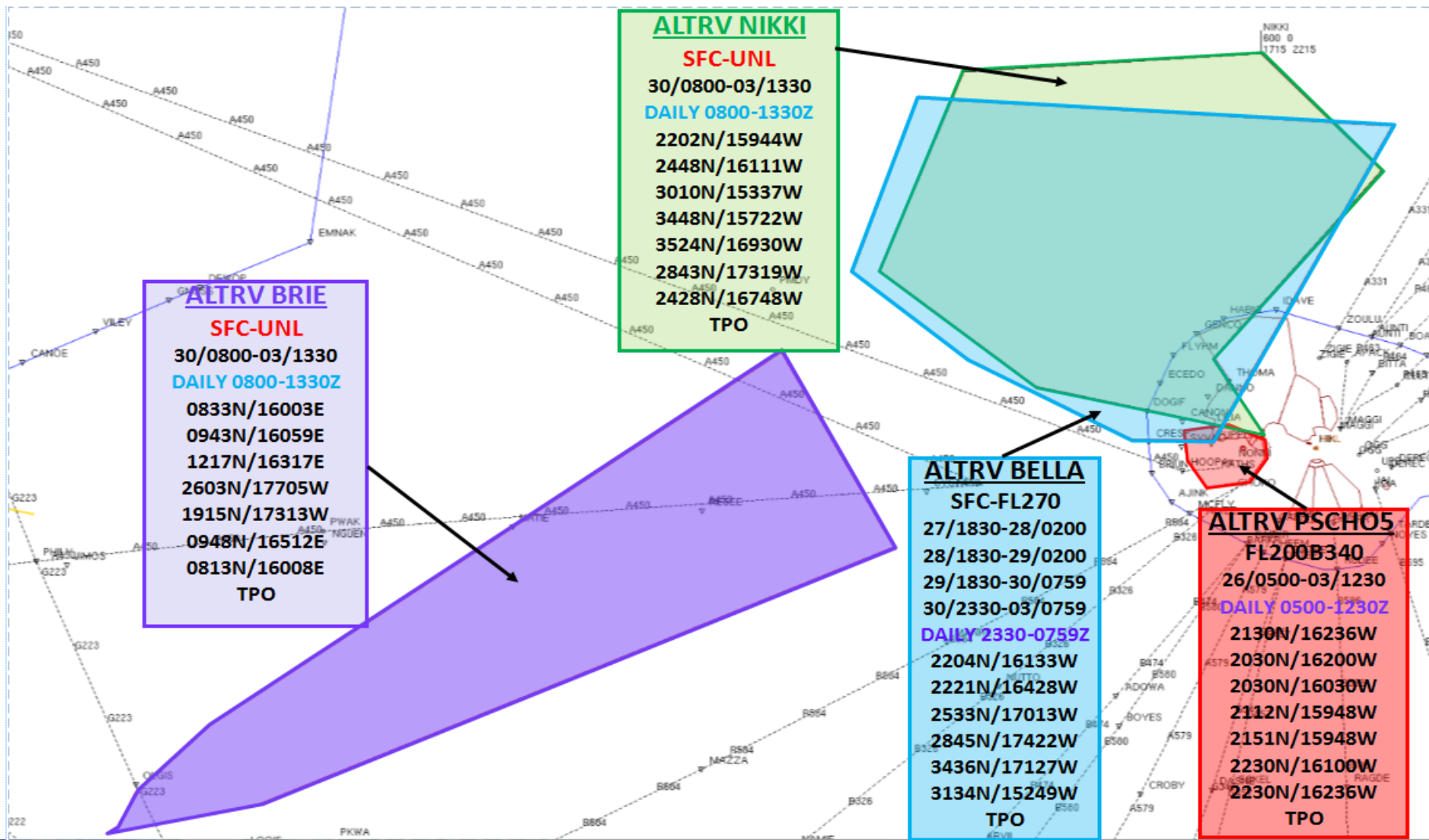


ORBIT





# FTM-29 Jan 26-Feb 3



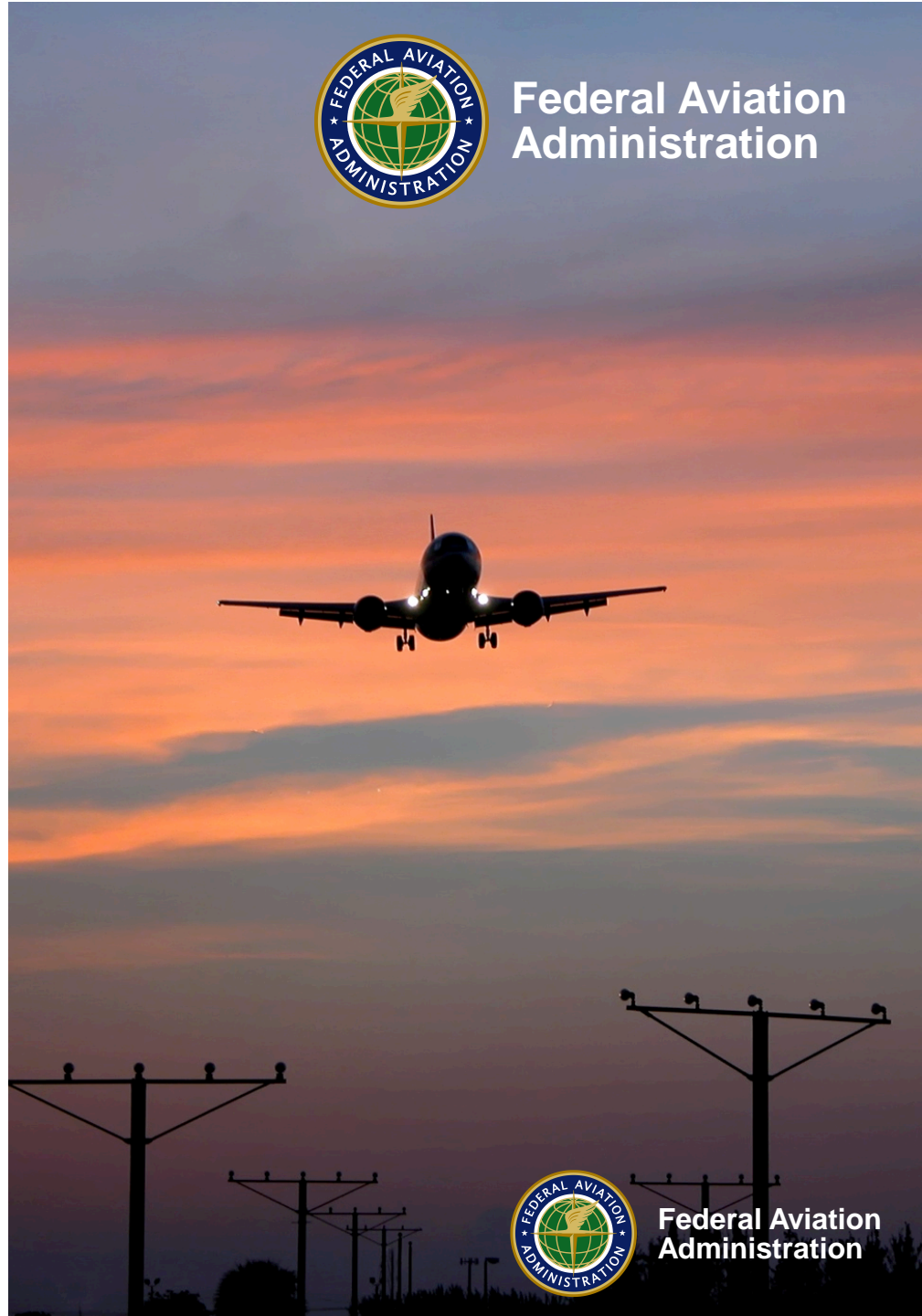
# Wake Island



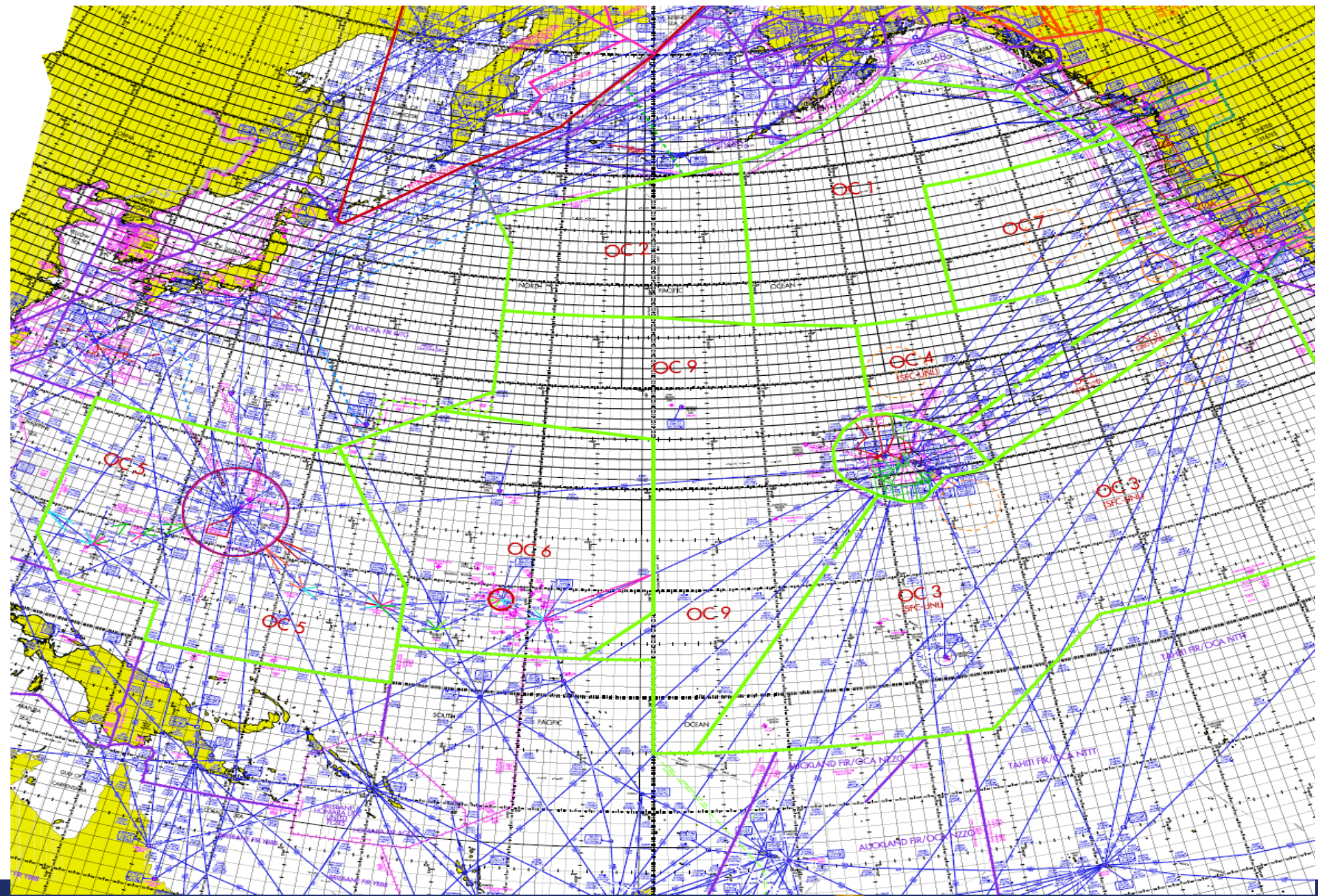
# Oceanic Contingency



Federal Aviation  
Administration



Federal Aviation  
Administration



Federal Aviation  
Administration

# OCP

- **KZAK ATC Zero**
  - PAZA would assume Oakland Airspace
- **PAZA ATC Zero**
  - KZAK would assume Anchorage ATOP Airspace
- **PHZH/PGUM ATC Zero**
  - KZAK would assume airspace for overflights
    - Non-Radar Approach Service



# HCF Radar into ATOP

Status Update



# Radar into ATOP

- **Mill Valley (Operational)**
- **HNL Radars 2/18**
- **Remainder of the West Coast Radars 2018**
- **Data will be used for conformance monitoring only.**
- **Other benefits in contingency situations.**



# Space Based ADS-B Surveillance



ZOA



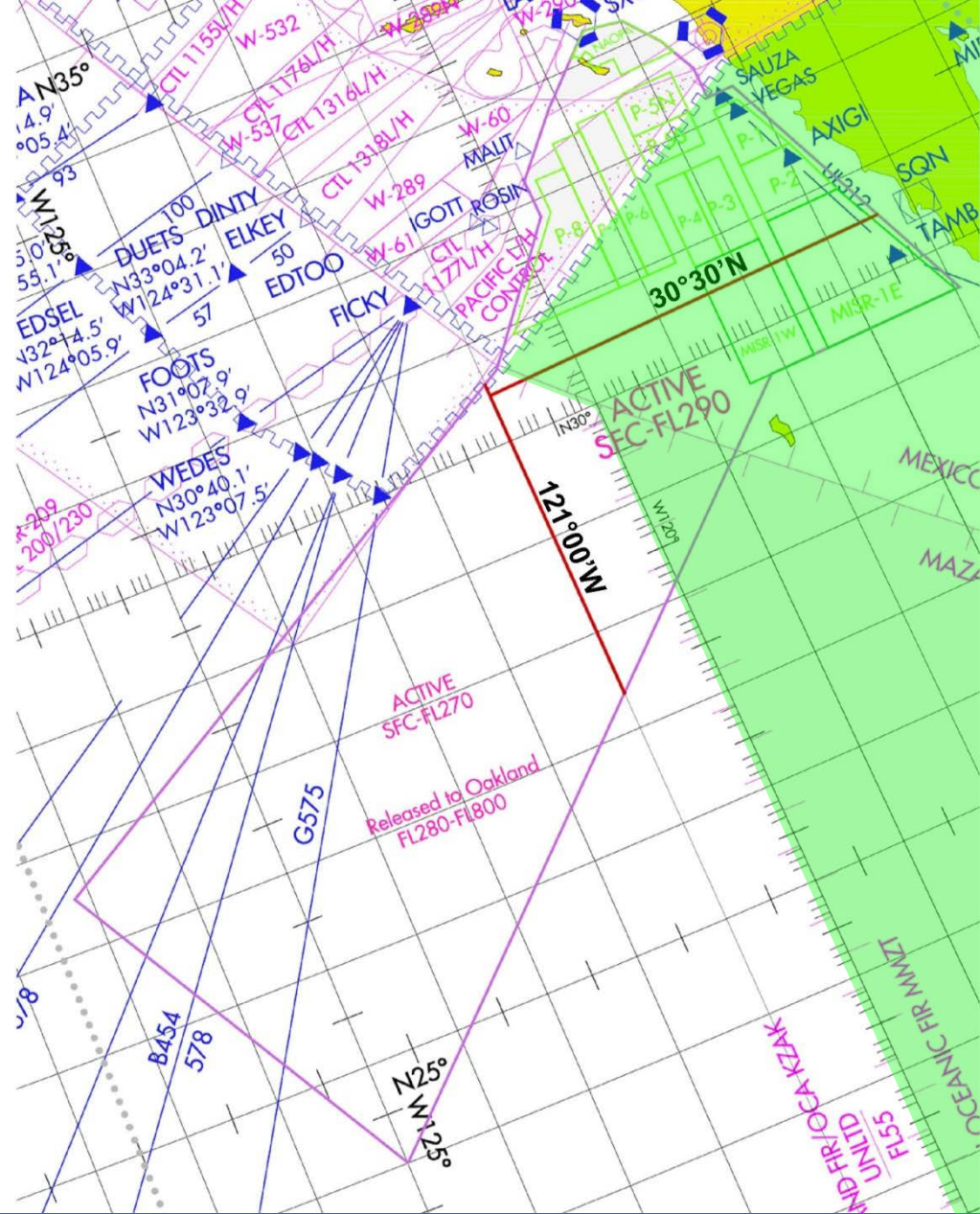
•Space Based ADS-B Surveillance is on the horizon. In conjunction with CPDLC the FAA is exploring the possibility of reducing oceanic separation standards





# SENEAM

- An AIDC connection between Oakland and Mazatlan was established March 2015
- Mazatlan is working on a capability to apply ATC services in their oceanic FIR
- Date TBD



# Questions

