

FAA Anchorage ARTCC



Federal Aviation
Administration



Presented to: Cross Polar Working Group / 19

By: Steve Kessler,
Support Manager for Airspace and Procedures,
Anchorage ARTCC

Date: May 11-15, 2015

Anchorage ARTCC (ZAN) Overview

- Anchorage ARTCC Facts
- ZAN Sector “64”
- Space Launch Activities
- UAS Operations
- Large Scale Military Exercises
- ZAN Traffic Count



Anchorage ARTCC Website

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



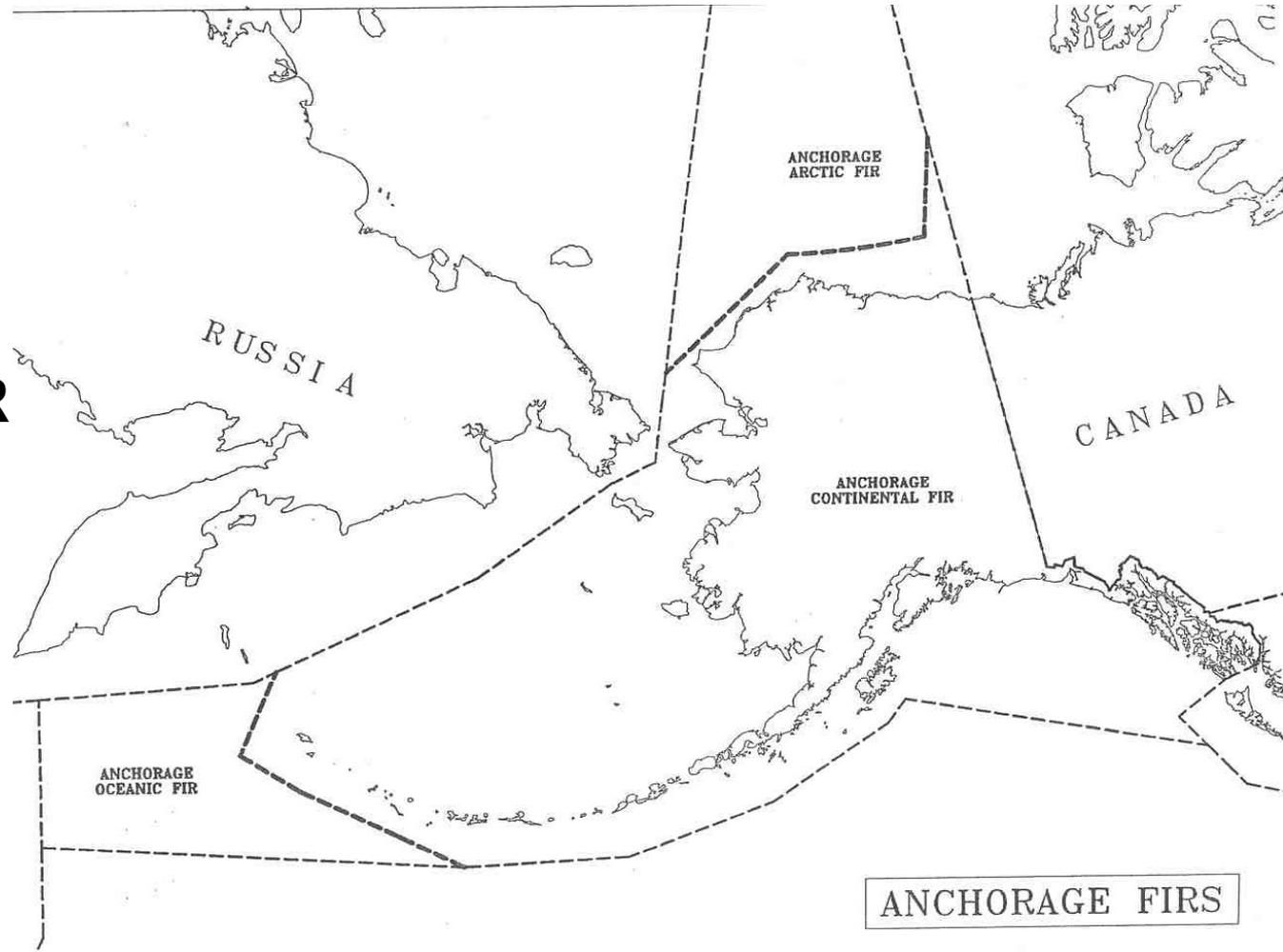
Air Traffic Facility Personnel

- **160 Employees total**
- **66 Controller Work Force**
- **39 Trainees**
- **21 Front Line Managers (include STMC)**
- **3 Operations Managers**
- **4 Support Managers**
- **10 Support Staff**
- **4 Traffic Management Coordinators**
- **9 Flight Data Unit**
- **4 CWSU Weather Unit**



Three Flight Information Regions (FIR)

- Anchorage Arctic FIR
- Anchorage Continental FIR
- Anchorage Oceanic FIR



Anchorage ARTCC Flight Information Regions

- **Oceanic** **229,067 Miles² (593,280.8 Km²)**
- **Continental** **1,647,105 Miles² (4,265,982 Km²)**
- **Arctic** **551,971 Miles² (1,429,598 Km²)**
- **Total** **2,427,971 Miles² (6,288,416 Km²)**



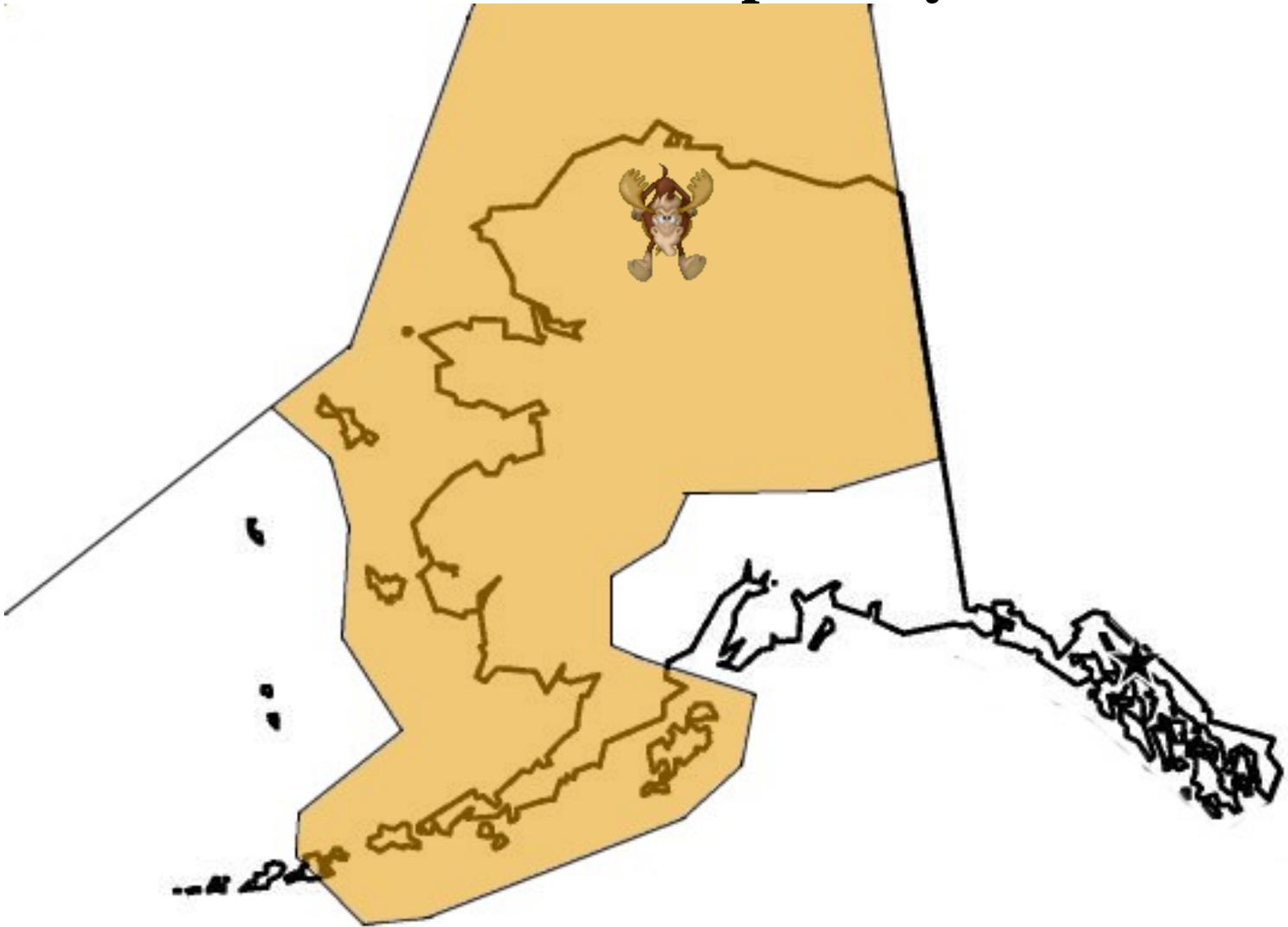
Anchorage ARTCC

- **Airspace and Sector Structure**

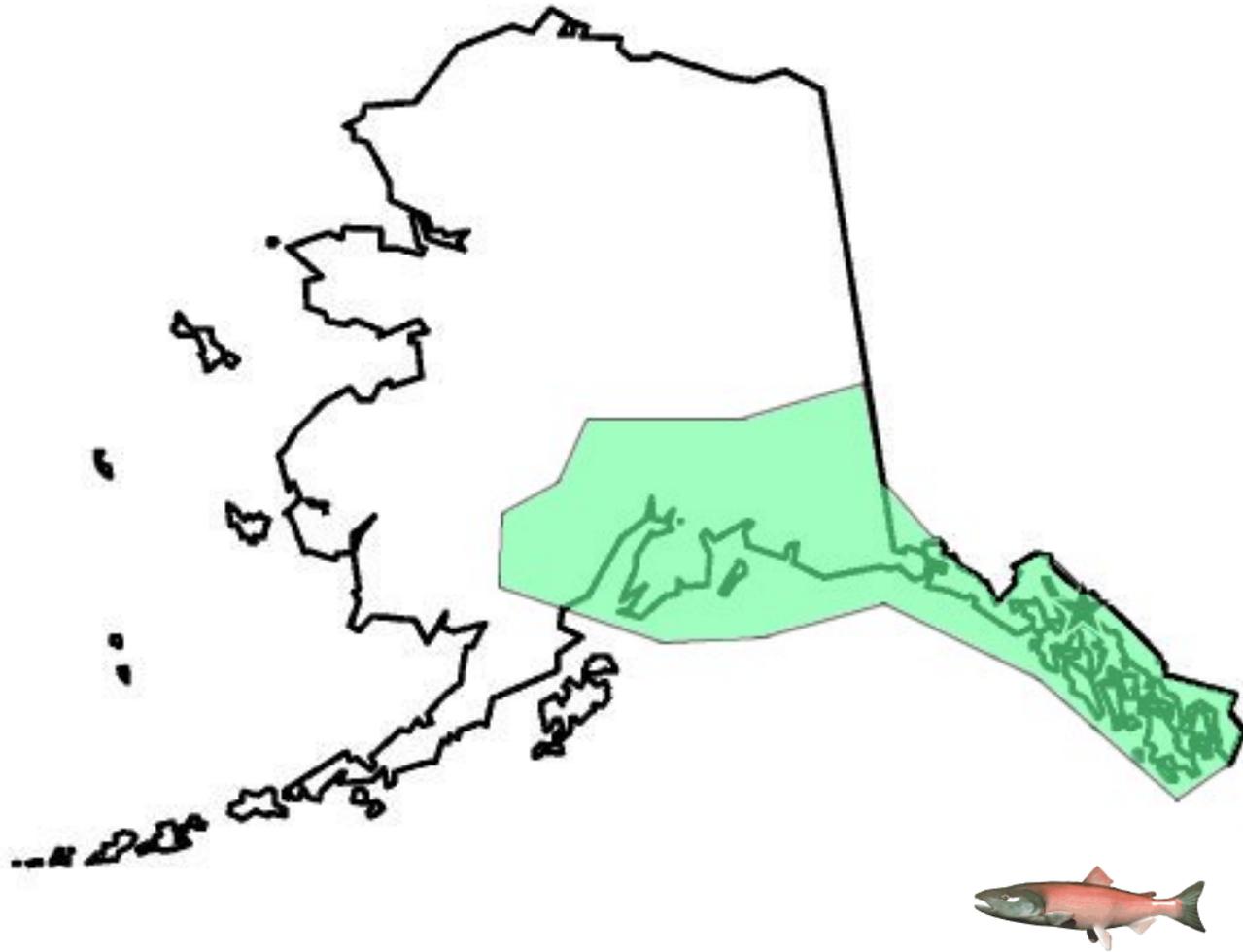
Three Areas of Specialization

- * North
- * South
- * High

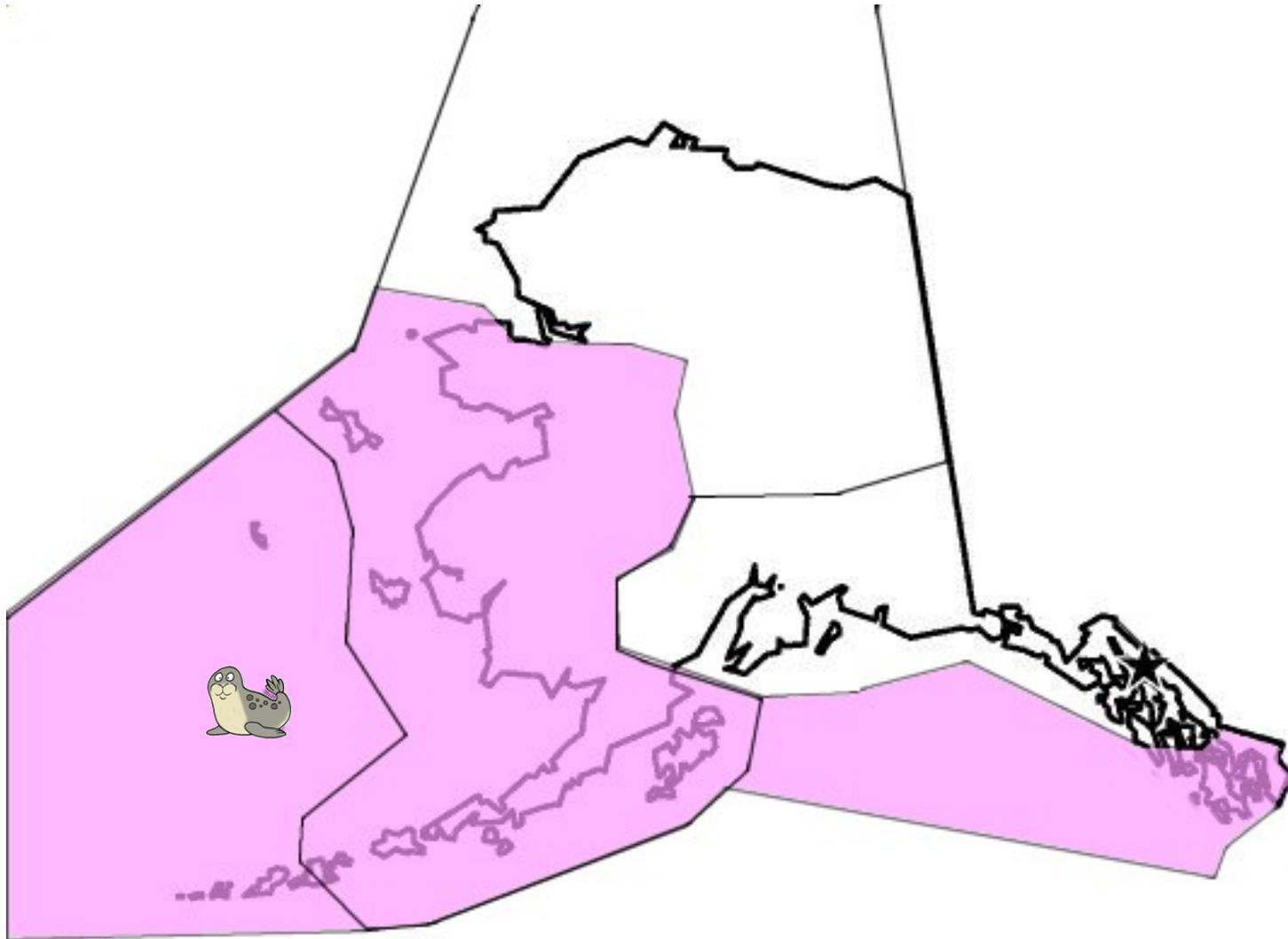
North Specialty



South Specialty



High Specialty





Volcanoes



Active volcanoes of Kamchatka and the northern Kurile Islands

| | | | |
|-------------------|-------------------|-----------------------|-----------------------------|
| Ksudach | Komarov | Karymsky (6) | Sheveluch (1) |
| Zheltevsky | Gamchen | Dzenzursky | Ushkovsky |
| Ilyinsky | Kronotsky | Zhupanovsky | Klyuchevskoy (2) |
| Koshelev | Krashennnikov | Koryaksky (7) | Bezymianny (3) |
| Kambalny | Uzon | Avachinsky (8) | Plosky Tolbachik (4) |
| Alaid (11) | Kikhpinyoh | Gorely (9) | Ichinsky |
| Ebeko | Bolshoi Semiachik | Opala | New Tolbachik |
| Chikurachki | Maly Semiachik | Mutnovsky (10) | Kizimen (5) |
| Fuss Peak | | | |
| Karpinsky Group | | | |

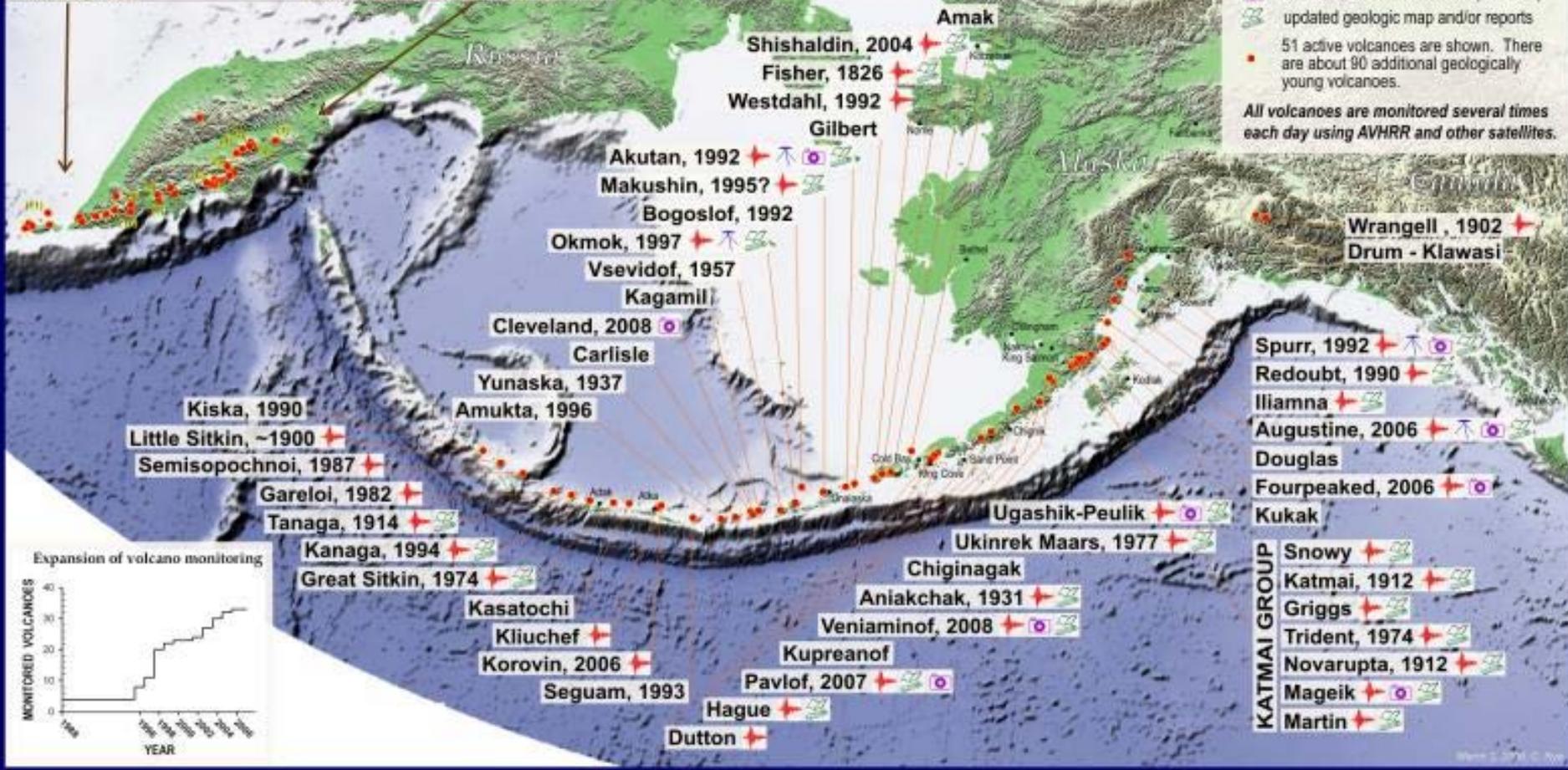
Volcanoes in **bold-underline** are systematically monitored
Numbers in parentheses refer to map locations below

Monitoring status of active volcanoes in Alaska

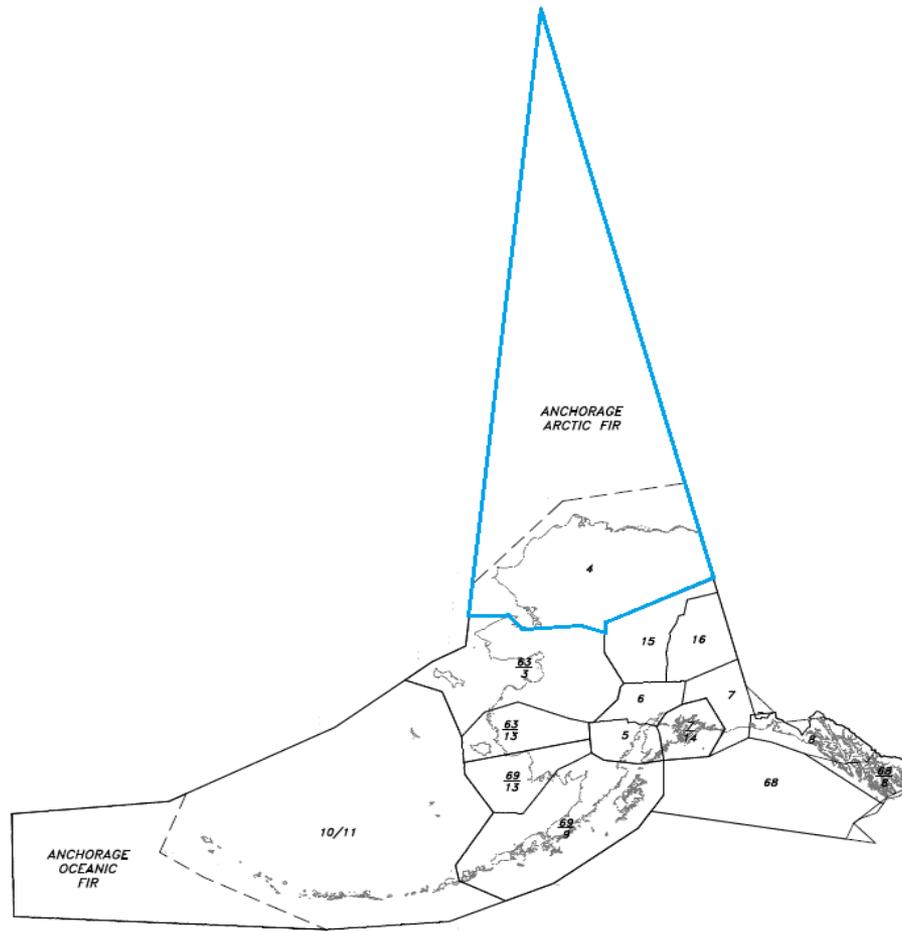


EXPLANATION

- 2008 year of most recent eruption
 - seismic network
 - continuous deformation network (GPS)
 - telemetered remote camera (webcam)
 - updated geologic map and/or reports
 - 51 active volcanoes are shown. There are about 90 additional geologically young volcanoes.
- All volcanoes are monitored several times each day using AVHRR and other satellites.

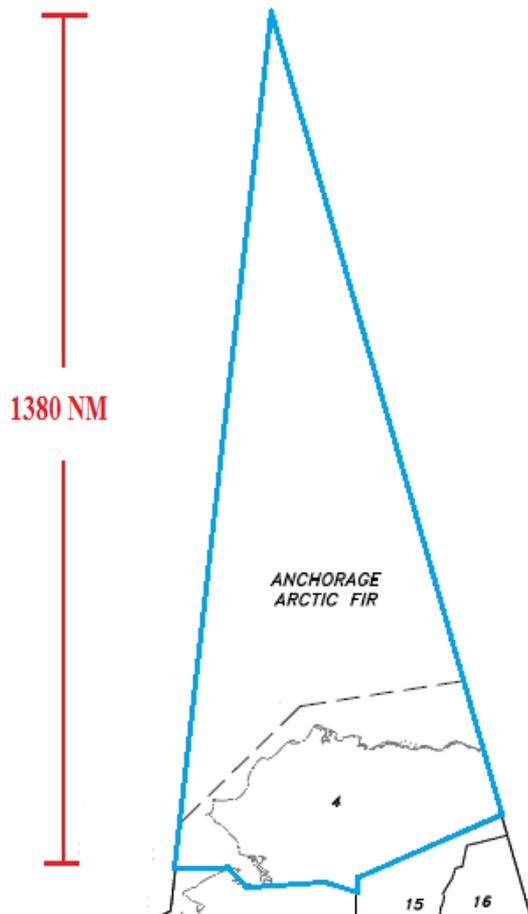


ZAN Sector “4” to “4 and 64”



Current Airspace

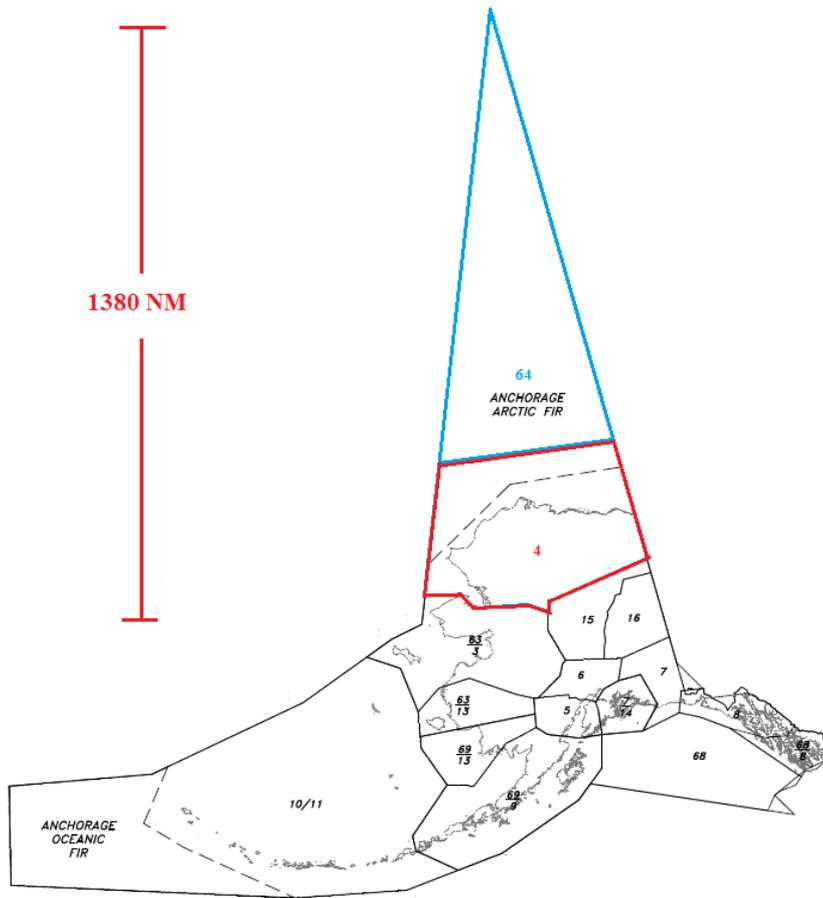
Current - ZAN Sector “4”



- Current Sector 4 utilizes Flight Data Processor 2000 (FDP2K) and Micro En Route Automated Radar Tracking System (MEARTS).
- FDP2K supports Controller / Pilot Data Link (CPDLC) and Air Traffic Services Inter-facility Data Coordination (AIDC).
- MEARTS radar surveillance limited to land based radar sensors.
- FDP2K does not provide conflict detection. MEARTS provides short term, (tactical), conflict “alert.”
- FDP2K does not support FANS Automatic Dependent Surveillance – Contract (ADS-C).
- Unique geometry limits the scale of paper diagrams, i.e. controller charts, thereby limiting the controller’s ability to chart flight paths and determine lateral conflicts and/or flight path de-confliction points.

Result – the need, in the Arctic FIR, for proceduralized airspace.

Future – ZAN Sectors “4” and “64”



- Sector 4 divided into Sectors 4 and 64.
- Division line tentatively set at 73° N.
- Sector 4 continues with FDP2K and MEARTS
- Sector 64 will utilize Advanced Technologies and Oceanic Procedures Ocean 21 system, (ATOP/OC21).
- ATOP supports CPDLC, AIDC and ADS-C.
- Implementation of Sector 64 requires controller staffing + controller training + modification of systems' adaptation (i.e. database) + system testing (stand alone and inter-facility) + correction of any discovered deficiencies.
- Sum total of above variables yields tentative implementation date end of 3rd Qtr. CY 2015.

Space Launch Activities



Courtesy www.akaerospace.com



Space Launch Activities

- **No launch activity planned for this period.**



Unmanned Aircraft Systems (UAS)



UAS Activities

- **No updates**



Military Exercises



May 11 – 15, 2015

Cross Polar Working Group / 19



Federal Aviation
Administration

Military Exercises

- **3 Large scale military exercises planned for 2015 (dates tentative):**
 - Red Flag 15-2 4 May - 15 May 2015
 - Northern Edge 15 15 Jun - 26 Jun 2015
 - Red Flag 15-3 6 Aug - 21 Aug 2015
- **Exercises involve 50 plus aircraft and numerous Military Operations Areas (MOAs), ATC Assigned Airspaces (ATCAAs), and Restricted Areas.**
- **Traffic Management Initiatives (TMIs) will be issued to accommodate non-participating aircraft.**

Military Exercises

Red Flag TMI

1) ALL WESTBOUND FLIGHTS ENTERING THE ANCHORAGE FIR NORTH OF 62N141W MUST BE ESTABLISHED ON ONE OF THE FOLLOWING ROUTES: (A) ON OR NORTH OF NCA30 (B) OVER OR SOUTH OF ORT. IF ROUTING VIA ORT, UTILIZE ONE OF THE FOLLOWING TRANSITIONS:

- (1) ORT J124 BGQ NODLE R220**
- (2) ORT J124 BGQ NODLE NICHO R580**
- (3) ORT J124 GKN 6140N151W MCG**

2) ALL EASTBOUND FLIGHTS TRANSITING THE ANCHORAGE FIR SHALL FLIGHT PLAN VIA ONE OF THE FOLLOWING:

- (A) ON OR NORTH OF FYU J167 POTAT NCA30**
- (B) OVER OR SOUTH OF ANC J511 GKN J124 ORT**

Military Exercises

Red Flag TMI

3) THE FOLLOWING ROUTES ARE **NOT** AVAILABLE:

(A) *NCA28, NCA24, NCA19 AND NCA22*

(B) J167 BETWEEN GKN AND FYU

(C) *J502/J515 BETWEEN FAI AND ORT*

(D) V481 BETWEEN BIG AND FYU

(E) J507 BETWEEN ORT AND FYU

4) FROM 1700-1800 UTC, 2030-2100 UTC, 2300-0000 UTC AND 0230-0300 UTC WEEKDAYS *AIRCRAFT LANDING/DEPARTING FAI* AND LOW ALTITUDE AIRCRAFT FILED BETWEEN BIG AND ORT OR BIG AND GKN WILL BE RESTRICTED AT OR BELOW 17000 MSL.

Military Exercises

Red Flag TMI

5) FROM 1800-2030 UTC AND 0000-0230 UTC WEEKDAYS, THE FOLLOWING ROUTES ARE NOT AVAILABLE:

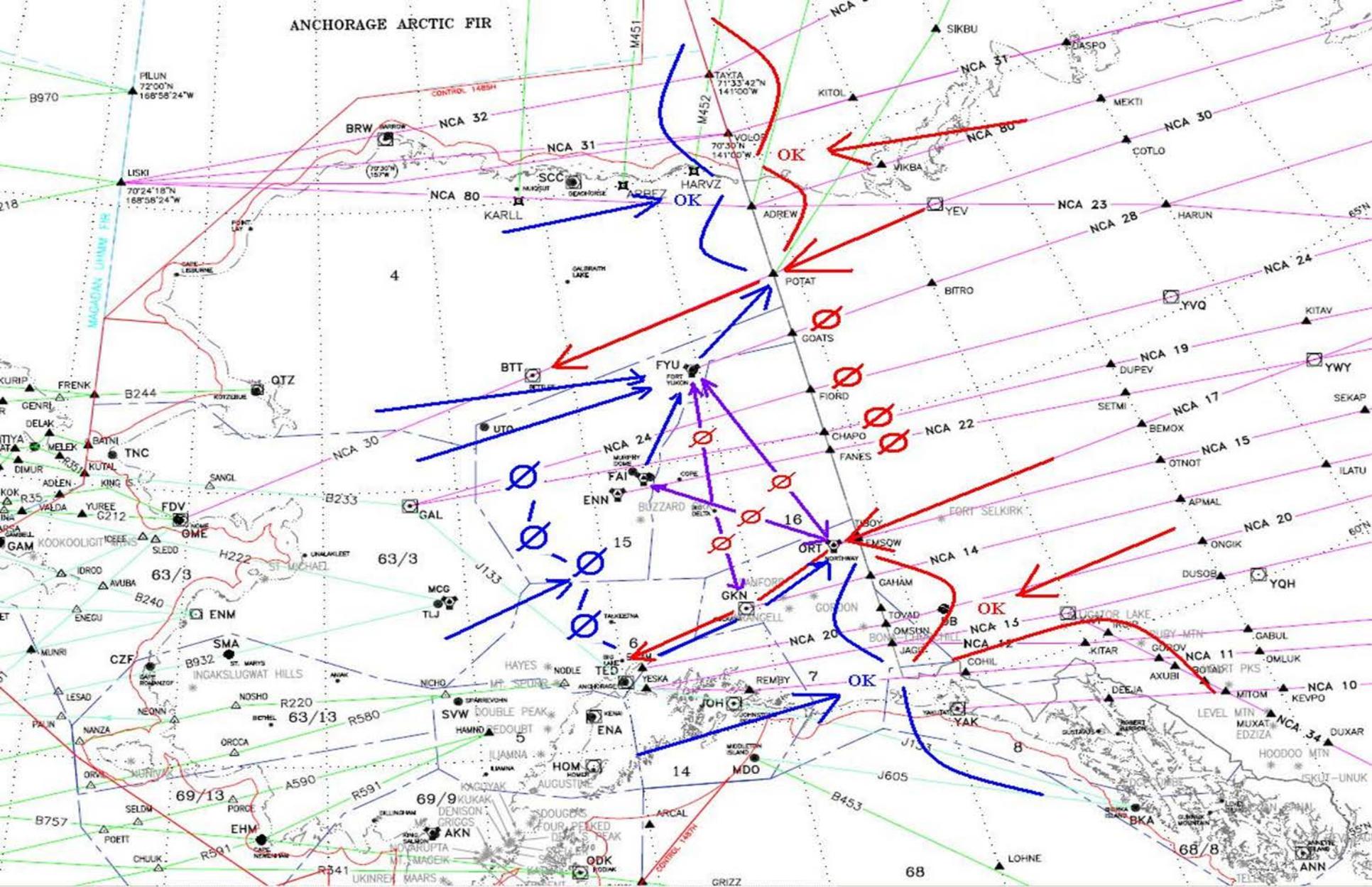
(A) A2, A15 AND B25

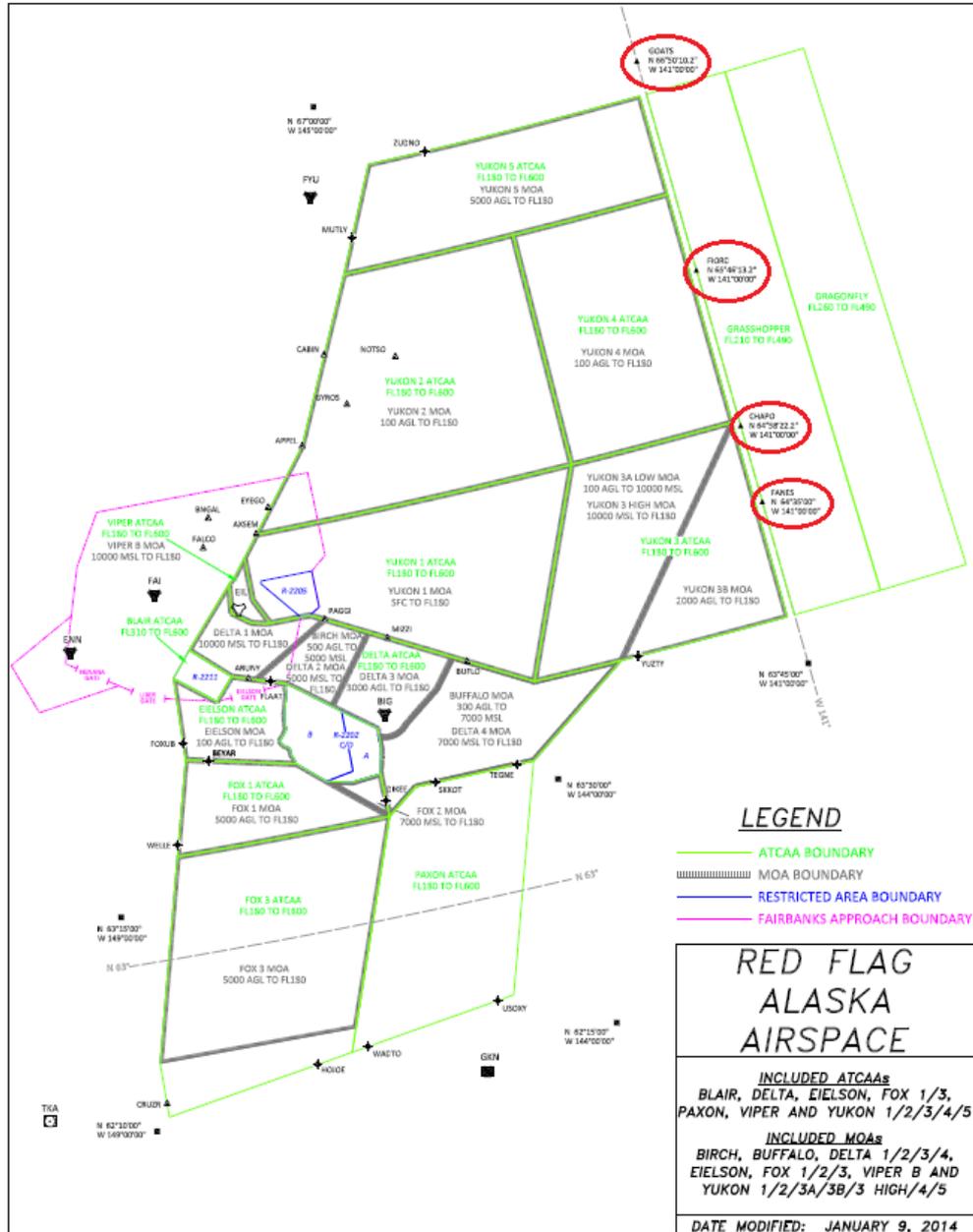
(B) V444, V481 AND V515

(C) T232 AND T226

(D) *DIRECT ROUTES OVER OR IN THE VICINITY OF BIG.*

6) FROM 1800-2030 UTC AND 0000-0230 UTC, IFR ARRIVALS/DEPARTURES TO/FROM ALLEN AAF ARE UNAVAILABLE.





Red Flag Airspace



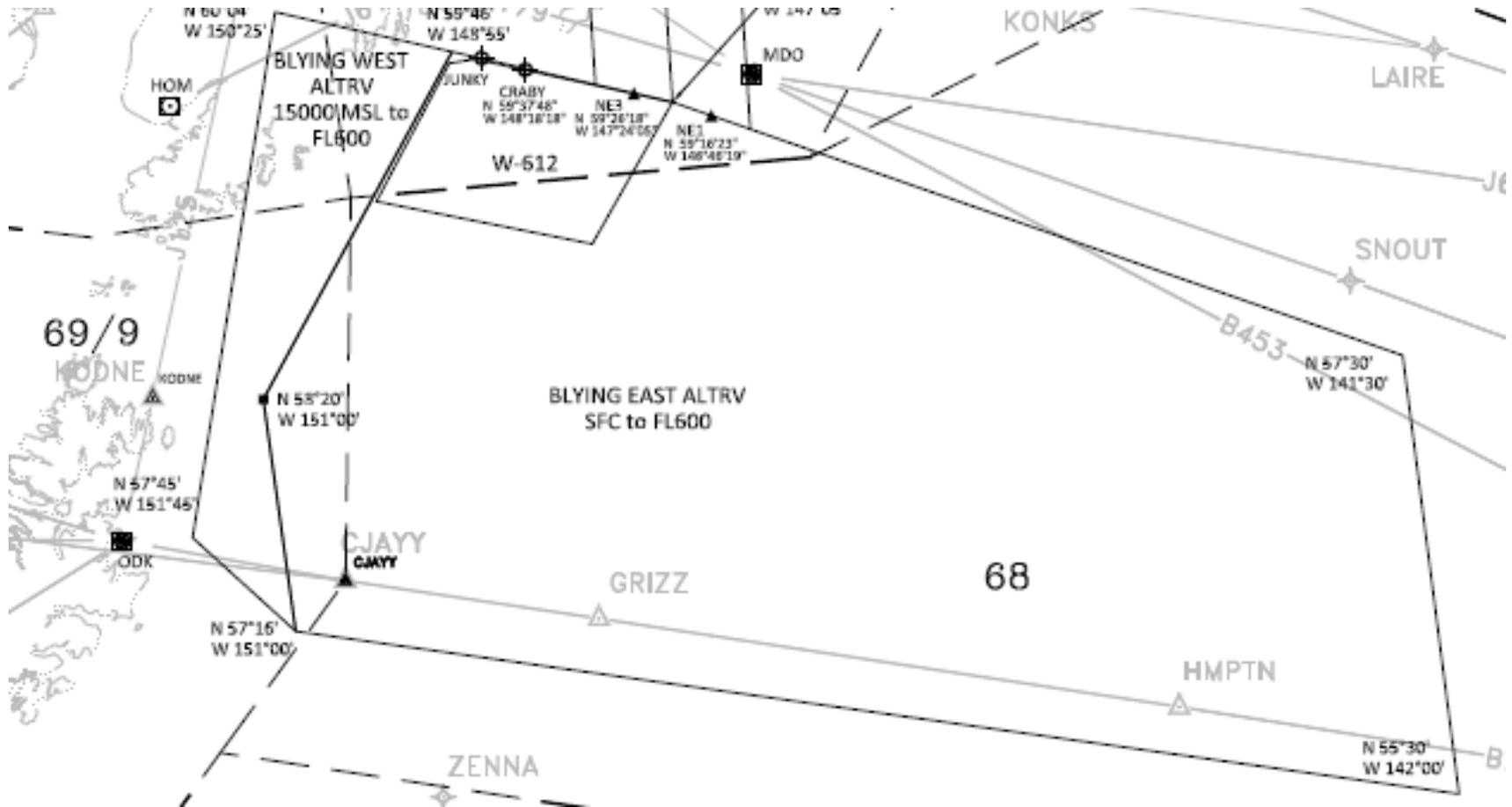
Northern Edge Airspace

“Northern Edge” includes all Red Flag airspace plus:

- **The Blying Sound East and West Altitude Reservations (ALTRVs)**
- **North/South Transition Corridors**



Northern Edge Airspace



Military Exercises

Refer to NOTAMs and FAA's "SUA" website for updated Special Use Airspace information - <http://sua.faa.gov>



ZAN Traffic Count

1

%

2

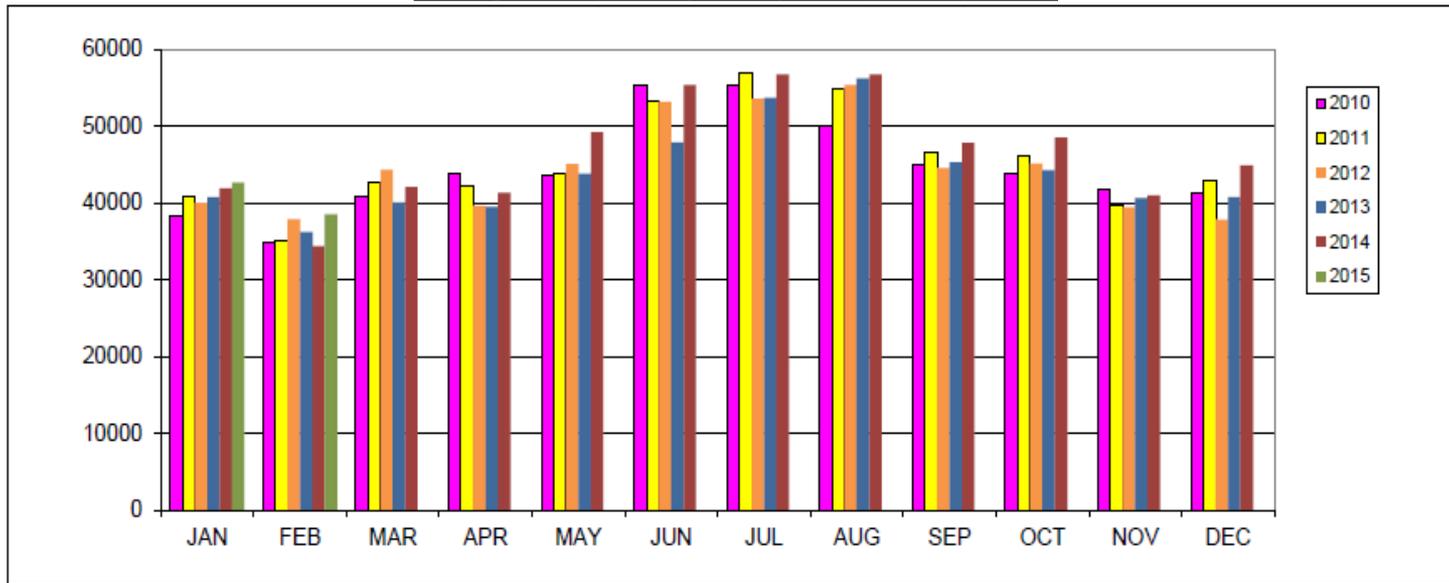
7



ZAN Traffic Count Total Facility

**Up 6.8%
YTD**

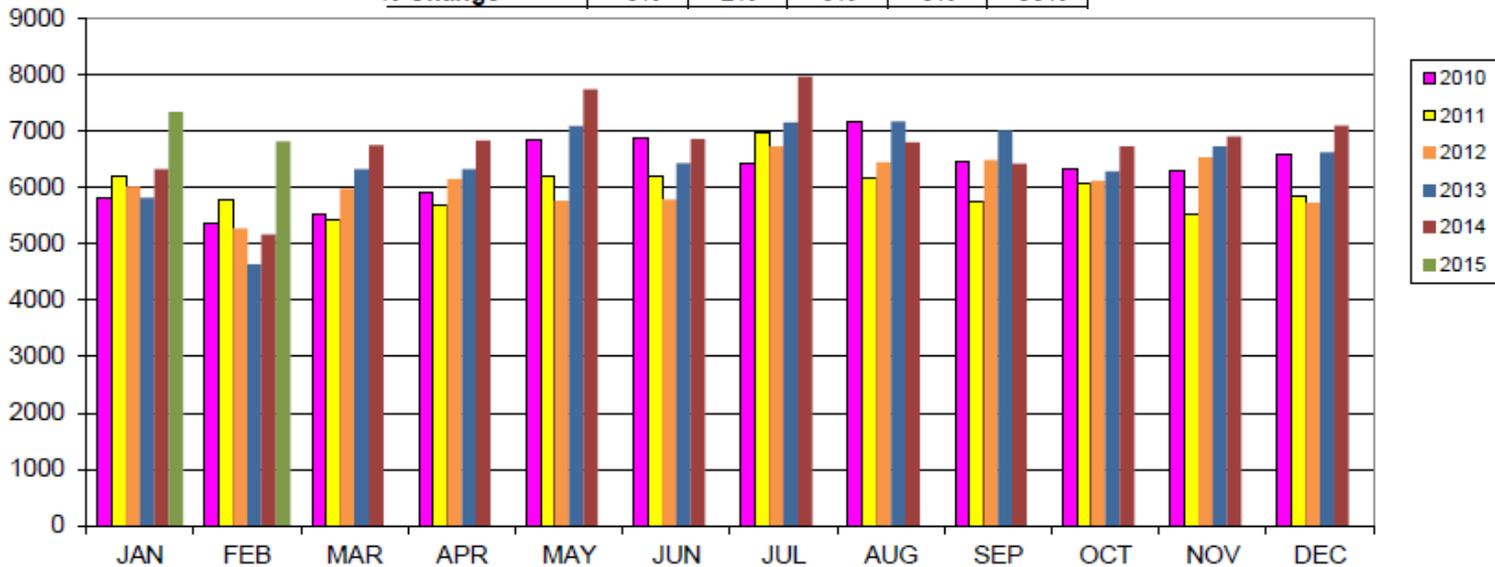
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-----------------|---------------|---------------|---------------|---------------|---------------|--------------|
| JAN | 38266 | 40841 | 39982 | 40761 | 41896 | 42631 |
| FEB | 34911 | 35074 | 37909 | 36213 | 34342 | 38544 |
| MAR | 40790 | 42750 | 44344 | 40090 | 42091 | |
| APR | 43796 | 42285 | 39622 | 39482 | 41358 | |
| MAY | 43565 | 43866 | 45085 | 43815 | 49224 | |
| JUN | 55374 | 53225 | 53173 | 47914 | 55353 | |
| JUL | 55470 | 56989 | 53573 | 53756 | 56752 | |
| AUG | 50135 | 54995 | 55355 | 56217 | 56797 | |
| SEP | 45007 | 46635 | 44524 | 45292 | 47812 | |
| OCT | 43825 | 46187 | 45132 | 44277 | 48511 | |
| NOV | 41858 | 39616 | 39457 | 40642 | 41037 | |
| DEC | 41232 | 42907 | 37824 | 40738 | 44914 | |
| Total | 534229 | 545370 | 535980 | 529197 | 560087 | 81175 |
| % Change | | 2% | -2% | -1% | 6% | -86% |



ZAN Traffic Count Oceanic

Up
16.2%
YTD

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| JAN | 5826 | 6205 | 6016 | 5825 | 6331 | 7344 |
| FEB | 5385 | 5783 | 5281 | 4637 | 5169 | 6829 |
| MAR | 5525 | 5437 | 5986 | 6334 | 6752 | |
| APR | 5912 | 5684 | 6150 | 6330 | 6842 | |
| MAY | 6845 | 6207 | 5772 | 7096 | 7752 | |
| JUN | 6886 | 6199 | 5792 | 6433 | 6864 | |
| JUL | 6445 | 6984 | 6738 | 7166 | 7977 | |
| AUG | 7175 | 6161 | 6458 | 7179 | 6803 | |
| SEP | 6476 | 5752 | 6489 | 7018 | 6430 | |
| OCT | 6353 | 6072 | 6116 | 6291 | 6731 | |
| NOV | 6302 | 5536 | 6540 | 6733 | 6914 | |
| DEC | 6602 | 5859 | 5738 | 6635 | 7107 | |
| Total | 75732 | 71879 | 73076 | 77677 | 81672 | 14173 |
| % Change | | -5% | 2% | 6% | 5% | -83% |



ZAN Traffic Count NOPAC*

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| JAN | 5122 | 5103 | 5047 | 4769 | 5188 | 5336 | 5354 | 4668 | 4167 | 6163 |
| FEB | 4609 | 5021 | 4381 | 4043 | 4765 | 4925 | 4428 | 3708 | 4288 | 5653 |
| MAR | 6022 | 7632 | 6365 | 4513 | 4682 | 4564 | 4888 | 4896 | 5547 | 0 |
| APR | 6083 | 6923 | 6107 | 4109 | 4967 | 4908 | 5214 | 5284 | 5780 | 0 |
| MAY | 5394 | 7224 | 5461 | 4563 | 6094 | 5304 | 4749 | 5938 | 6289 | 0 |
| JUN | 6088 | 7440 | 4947 | 3958 | 6050 | 5225 | 4853 | 5489 | 5649 | 0 |
| JUL | 6144 | 7540 | 5583 | 5279 | 5524 | 5947 | 5737 | 6020 | 6409 | 0 |
| AUG | 6273 | 7584 | 5385 | 5524 | 6192 | 4892 | 5479 | 5991 | 5188 | 0 |
| SEP | 5772 | 7462 | 5322 | 5147 | 5514 | 4711 | 5316 | 5761 | 5021 | 0 |
| OCT | 5782 | 6750 | 4928 | 5131 | 5291 | 5018 | 5203 | 4887 | 5192 | 0 |
| NOV | 5796 | 6231 | 4600 | 5044 | 5321 | 4363 | 5598 | 5627 | 5673 | 0 |
| DEC | 4933 | 5204 | 4662 | 5354 | 5710 | 4678 | 4588 | 5145 | 5674 | 0 |
| Total | 68018 | 80114 | 62788 | 57434 | 65298 | 59871 | 61407 | 63414 | 64877 | 11816 |
| % Change | | 18% | -22% | -9% | 14% | -8% | 3% | 3% | 2% | -82% |

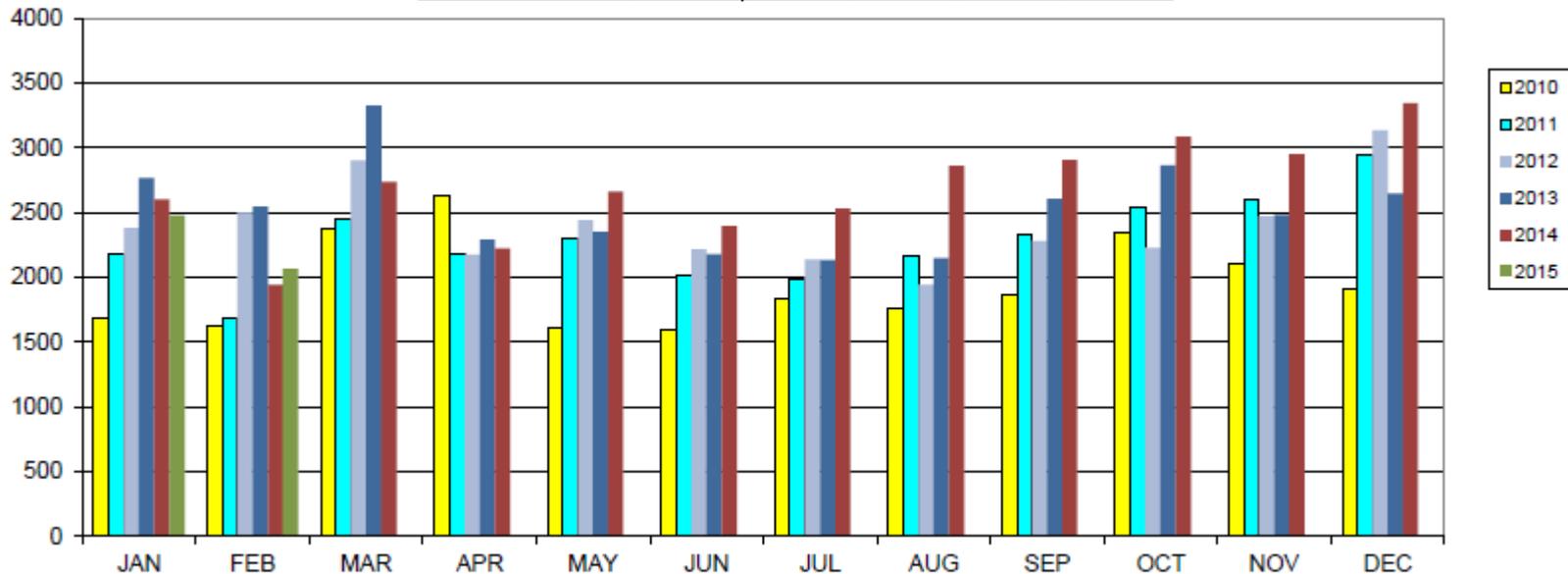
* "NOPAC" equals "Oceanic" minus "Cross Polar"

Up 24.8% YTD

ZAN Traffic Count

Cross Polar and RFE

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------|
| JAN | 1686 | 2188 | 2383 | 2768 | 2605 | 2481 |
| FEB | 1619 | 1690 | 2499 | 2544 | 1943 | 2067 |
| MAR | 2379 | 2453 | 2904 | 3326 | 2738 | |
| APR | 2630 | 2184 | 2176 | 2294 | 2223 | |
| MAY | 1614 | 2297 | 2442 | 2351 | 2664 | |
| JUN | 1598 | 2016 | 2215 | 2179 | 2395 | |
| JUL | 1841 | 1983 | 2136 | 2134 | 2529 | |
| AUG | 1761 | 2159 | 1942 | 2148 | 2861 | |
| SEP | 1870 | 2333 | 2280 | 2608 | 2905 | |
| OCT | 2346 | 2538 | 2225 | 2867 | 3089 | |
| NOV | 2099 | 2603 | 2473 | 2482 | 2951 | |
| DEC | 1908 | 2939 | 3134 | 2647 | 3346 | |
| Total | 23351 | 27383 | 28809 | 30348 | 32249 | 4548 |
| % Increase | | 17% | 5% | 5% | 6% | -86% |



ZAN Traffic Count Cross Polar Distribution

| 2013 | DEVID | | NALIM | | LURUN | | RAMEL | | PINAG | | NIKIN | | ORVIT | | AMATI | | PILUN | | LISKI | | TOTAL |
|--------------|-----------|------------|----------|-----------|-----------|------------|------------|-------------|-----------|------------|------------|-------------|------------|-------------|-----------|------------|------------|-------------|------------|-------------|--------------|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | |
| JAN | 1 | 14 | 0 | 3 | 0 | 25 | 10 | 185 | 0 | 33 | 7 | 12 | 32 | 255 | 1 | 9 | 48 | 130 | 49 | 231 | 1045 |
| FEB | 1 | 24 | 0 | 0 | 0 | 32 | 10 | 149 | 0 | 14 | 6 | 96 | 37 | 173 | 1 | 5 | 37 | 92 | 35 | 217 | 929 |
| MAR | 5 | 25 | 0 | 0 | 2 | 41 | 15 | 154 | 0 | 32 | 8 | 111 | 21 | 307 | 1 | 14 | 28 | 256 | 29 | 389 | 1438 |
| APR | 3 | 35 | 0 | 3 | 4 | 37 | 8 | 142 | 3 | 33 | 18 | 109 | 36 | 210 | 1 | 5 | 65 | 97 | 54 | 183 | 1046 |
| MAY | 3 | 12 | 1 | 8 | 7 | 73 | 35 | 139 | 2 | 32 | 28 | 72 | 92 | 202 | 1 | 3 | 109 | 141 | 70 | 134 | 1164 |
| JUN | 7 | 8 | 2 | 0 | 33 | 36 | 47 | 64 | 8 | 17 | 27 | 34 | 181 | 135 | 6 | 0 | 126 | 66 | 58 | 89 | 944 |
| JUL | 5 | 28 | 1 | 5 | 13 | 20 | 61 | 100 | 9 | 25 | 24 | 54 | 151 | 193 | 16 | 4 | 121 | 89 | 75 | 152 | 1146 |
| AUG | 4 | 15 | 4 | 9 | 6 | 52 | 37 | 141 | 4 | 42 | 10 | 69 | 114 | 239 | 7 | 12 | 101 | 111 | 72 | 139 | 1188 |
| SEP | 4 | 32 | 0 | 2 | 0 | 29 | 13 | 150 | 3 | 62 | 8 | 116 | 72 | 234 | 9 | 29 | 82 | 91 | 109 | 212 | 1257 |
| OCT | 2 | 25 | 0 | 8 | 1 | 66 | 14 | 120 | 1 | 31 | 13 | 108 | 59 | 280 | 12 | 24 | 73 | 191 | 69 | 307 | 1404 |
| NOV | 0 | 21 | 0 | 6 | 0 | 27 | 0 | 141 | 3 | 23 | 1 | 153 | 21 | 230 | 10 | 13 | 70 | 110 | 59 | 218 | 1106 |
| DEC | 0 | 16 | 0 | 0 | 1 | 71 | 6 | 144 | 3 | 32 | 7 | 104 | 22 | 260 | 9 | 18 | 69 | 138 | 68 | 222 | 1190 |
| TOTAL | 35 | 255 | 8 | 44 | 67 | 509 | 256 | 1629 | 36 | 376 | 157 | 1038 | 838 | 2718 | 74 | 136 | 929 | 1512 | 747 | 2493 | 13857 |

| 2014 | DEVID | | NALIM | | LURUN | | RAMEL | | PINAG | | NIKIN | | ORVIT | | AMATI | | PILUN | | LISKI | | TOTAL |
|--------------|-----------|------------|----------|-----------|-----------|------------|------------|-------------|-----------|------------|------------|-------------|------------|-------------|------------|------------|-------------|-------------|-------------|-------------|--------------|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | |
| JAN | 0 | 31 | 0 | 1 | 0 | 40 | 1 | 117 | 0 | 23 | 6 | 112 | 40 | 171 | 10 | 11 | 81 | 134 | 86 | 218 | 1082 |
| FEB | 0 | 25 | 0 | 1 | 0 | 13 | 6 | 53 | 2 | 28 | 11 | 81 | 58 | 153 | 11 | 8 | 97 | 42 | 87 | 205 | 881 |
| MAR | 0 | 26 | 0 | 3 | 2 | 45 | 3 | 107 | 5 | 53 | 4 | 164 | 49 | 158 | 16 | 2 | 118 | 127 | 67 | 256 | 1205 |
| APR | 0 | 8 | 0 | 7 | 3 | 29 | 10 | 122 | 3 | 70 | 8 | 114 | 36 | 235 | 5 | 13 | 99 | 110 | 92 | 98 | 1062 |
| MAY | 0 | 11 | 0 | 3 | 3 | 104 | 20 | 200 | 10 | 67 | 11 | 112 | 43 | 274 | 3 | 18 | 127 | 130 | 150 | 177 | 1463 |
| JUN | 4 | 4 | 5 | 5 | 3 | 62 | 54 | 106 | 23 | 13 | 42 | 54 | 70 | 231 | 9 | 15 | 102 | 156 | 79 | 178 | 1215 |
| JUL | 7 | 7 | 1 | 10 | 16 | 95 | 28 | 222 | 6 | 39 | 10 | 106 | 101 | 270 | 16 | 18 | 214 | 64 | 225 | 113 | 1568 |
| AUG | 4 | 22 | 2 | 4 | 7 | 39 | 94 | 115 | 19 | 54 | 34 | 80 | 81 | 292 | 26 | 29 | 194 | 197 | 116 | 206 | 1615 |
| SEP | 1 | 47 | 0 | 4 | 0 | 78 | 10 | 27 | 4 | 54 | 13 | 162 | 70 | 226 | 22 | 32 | 160 | 127 | 154 | 218 | 1409 |
| OCT | 1 | 29 | 0 | 1 | 4 | 33 | 6 | 99 | 2 | 65 | 4 | 116 | 39 | 292 | 14 | 39 | 135 | 223 | 104 | 333 | 1539 |
| NOV | 8 | 60 | 0 | 7 | 1 | 28 | 7 | 116 | 2 | 35 | 10 | 108 | 53 | 146 | 12 | 14 | 157 | 137 | 80 | 260 | 1241 |
| DEC | 5 | 8 | 0 | 2 | 3 | 33 | 6 | 107 | 2 | 86 | 8 | 90 | 14 | 290 | 8 | 45 | 129 | 204 | 86 | 307 | 1433 |
| TOTAL | 30 | 278 | 8 | 48 | 42 | 599 | 245 | 1391 | 78 | 587 | 161 | 1299 | 654 | 2738 | 152 | 244 | 1613 | 1651 | 1326 | 2569 | 15713 |



ZAN Traffic Count Cross Polar Distribution

| 2015 | DEVID | | NALIM | | LURUN | | RAMEL | | PINAG | | NIKIN | | SALET | | ORVIT | | AMATI | | BARIP | | PILUN | | LISKI | | TOTAL | |
|-------|-------|----|-------|---|-------|----|-------|-----|-------|-----|-------|-----|-------|---|-------|-----|-------|----|-------|---|-------|-----|-------|-----|-------|---|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | | | | |
| JAN | 4 | 43 | 0 | 1 | 1 | 51 | 4 | 126 | 1 | 36 | 7 | 107 | | | 62 | 123 | 19 | 21 | | | 192 | 111 | 101 | 171 | 1181 | |
| FEB | 3 | 12 | 0 | 1 | 1 | 25 | 10 | 124 | 10 | 75 | 10 | 118 | | | 29 | 184 | 21 | 23 | | | 162 | 105 | 126 | 137 | 1176 | |
| MAR | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| APR | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| MAY | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| JUN | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| JUL | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| AUG | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| SEP | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| OCT | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| NOV | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| DEC | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| TOTAL | 7 | 55 | 0 | 2 | 2 | 76 | 14 | 250 | 11 | 111 | 17 | 225 | 0 | 0 | 91 | 307 | 40 | 44 | 0 | 0 | 354 | 216 | 227 | 308 | 2357 | |

- Initial Data for SALET and BARIP



ZAN Traffic Count

RFE Distribution

| 2013 | FRENK | | KUTAL | | VALDA | | ERNIK | | RUSOR | | BESAT | | BAMOK | | KOKES | | LUMES | | KUNAD | | TOTAL |
|-------|-------|-----|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|-----|-------|-----|-------|-----|-------|---|-------|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | |
| JAN | 73 | 48 | 10 | 151 | 40 | 641 | 3 | 261 | 11 | 7 | 32 | 281 | 6 | 15 | 0 | 20 | 0 | 12 | 0 | 0 | 1611 |
| FEB | 50 | 61 | 3 | 261 | 1 | 542 | 2 | 214 | 24 | 9 | 44 | 303 | 17 | 17 | 1 | 29 | 0 | 35 | 0 | 2 | 1615 |
| MAR | 70 | 73 | 12 | 323 | 7 | 718 | 0 | 280 | 13 | 7 | 61 | 267 | 19 | 3 | 0 | 28 | 0 | 7 | 0 | 0 | 1888 |
| APR | 64 | 79 | 22 | 83 | 5 | 436 | 1 | 101 | 39 | 13 | 63 | 214 | 16 | 33 | 0 | 24 | 0 | 52 | 0 | 3 | 1248 |
| MAY | 52 | 54 | 2 | 61 | 8 | 390 | 4 | 119 | 52 | 10 | 121 | 194 | 31 | 14 | 1 | 26 | 0 | 48 | 0 | 6 | 1193 |
| JUN | 25 | 78 | 1 | 46 | 16 | 440 | 6 | 242 | 23 | 7 | 62 | 256 | 19 | 9 | 1 | 20 | 0 | 12 | 0 | 2 | 1265 |
| JUL | 26 | 71 | 5 | 35 | 12 | 408 | 3 | 99 | 39 | 4 | 96 | 134 | 39 | 1 | 0 | 4 | 0 | 10 | 0 | 2 | 988 |
| AUG | 31 | 58 | 5 | 53 | 12 | 398 | 8 | 94 | 37 | 4 | 103 | 121 | 20 | 6 | 0 | 5 | 0 | 4 | 0 | 1 | 960 |
| SEP | 34 | 103 | 7 | 58 | 11 | 513 | 6 | 152 | 56 | 15 | 174 | 144 | 59 | 3 | 4 | 6 | 0 | 6 | 0 | 0 | 1351 |
| OCT | 45 | 64 | 11 | 142 | 13 | 622 | 8 | 203 | 55 | 10 | 78 | 150 | 43 | 6 | 2 | 5 | 0 | 5 | 0 | 1 | 1463 |
| NOV | 34 | 94 | 7 | 160 | 9 | 547 | 2 | 121 | 36 | 4 | 74 | 150 | 26 | 17 | 0 | 29 | 0 | 65 | 0 | 1 | 1376 |
| DEC | 45 | 71 | 6 | 144 | 6 | 588 | 0 | 182 | 20 | 20 | 30 | 194 | 20 | 28 | 1 | 45 | 0 | 50 | 0 | 6 | 1456 |
| TOTAL | 549 | 854 | 91 | 1517 | 140 | 6243 | 43 | 2068 | 405 | 110 | 938 | 2408 | 315 | 152 | 10 | 241 | 0 | 306 | 0 | 9 | 16414 |

| 2014 | FRENK | | KUTAL | | VALDA | | ERNIK | | RUSOR | | BESAT | | BAMOK | | KOKES | | LUMES | | KUNAD | | TOTAL |
|-------|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|-----|-------|-----|-------|-----|-------|----|-------|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | |
| JAN | 28 | 70 | 2 | 161 | 14 | 549 | 1 | 300 | 20 | 44 | 17 | 199 | 16 | 15 | 1 | 37 | 0 | 49 | 0 | 0 | 1523 |
| FEB | 24 | 93 | 7 | 77 | 15 | 406 | 2 | 109 | 18 | 15 | 26 | 160 | 14 | 20 | 3 | 31 | 0 | 39 | 0 | 3 | 1062 |
| MAR | 12 | 104 | 10 | 137 | 10 | 601 | 0 | 220 | 16 | 23 | 36 | 241 | 15 | 7 | 0 | 48 | 0 | 50 | 0 | 2 | 1532 |
| APR | 33 | 66 | 11 | 44 | 22 | 485 | 3 | 101 | 20 | 15 | 69 | 189 | 7 | 16 | 0 | 32 | 0 | 35 | 0 | 3 | 1151 |
| MAY | 41 | 68 | 12 | 110 | 18 | 467 | 3 | 111 | 37 | 3 | 78 | 117 | 24 | 17 | 1 | 37 | 0 | 55 | 0 | 2 | 1201 |
| JUN | 21 | 118 | 5 | 109 | 33 | 464 | 10 | 100 | 34 | 15 | 93 | 127 | 21 | 11 | 0 | 5 | 0 | 10 | 0 | 4 | 1180 |
| JUL | 35 | 36 | 19 | 33 | 16 | 401 | 10 | 71 | 41 | 10 | 96 | 116 | 24 | 15 | 4 | 12 | 0 | 16 | 0 | 6 | 961 |
| AUG | 26 | 101 | 11 | 64 | 7 | 464 | 6 | 142 | 33 | 29 | 95 | 182 | 49 | 18 | 0 | 10 | 0 | 9 | 0 | 0 | 1246 |
| SEP | 38 | 113 | 26 | 62 | 17 | 454 | 6 | 204 | 35 | 23 | 87 | 306 | 39 | 27 | 3 | 40 | 0 | 16 | 0 | 0 | 1496 |
| OCT | 28 | 101 | 24 | 158 | 12 | 595 | 9 | 170 | 40 | 19 | 93 | 183 | 57 | 18 | 2 | 26 | 0 | 15 | 0 | 0 | 1550 |
| NOV | 23 | 114 | 3 | 134 | 11 | 680 | 9 | 296 | 28 | 35 | 88 | 188 | 37 | 17 | 4 | 22 | 0 | 18 | 0 | 3 | 1710 |
| DEC | 50 | 83 | 9 | 198 | 12 | 755 | 4 | 322 | 18 | 43 | 51 | 236 | 40 | 21 | 1 | 18 | 0 | 37 | 0 | 15 | 1913 |
| TOTAL | 359 | 1067 | 139 | 1287 | 187 | 6321 | 63 | 2146 | 340 | 274 | 829 | 2244 | 343 | 202 | 19 | 318 | 0 | 349 | 0 | 18 | 16525 |

| 2015 | FRENK | | KUTAL | | VALDA | | ERNIK | | RUSOR | | BESAT | | BAMOK | | KOKES | | LUMES | | KUNAD | | TOTAL |
|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|----|-------|-----|-------|----|-------|----|-------|----|-------|----|-------|
| | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | E | W | |
| JAN | 22 | 95 | 6 | 91 | 24 | 553 | 4 | 174 | 21 | 32 | 52 | 97 | 45 | 12 | 1 | 16 | 0 | 43 | 0 | 22 | 1310 |
| FEB | 29 | 41 | 4 | 62 | 17 | 414 | 5 | 120 | 10 | 7 | 34 | 54 | 31 | 13 | 0 | 10 | 0 | 30 | 0 | 7 | 888 |
| TOTAL | 51 | 136 | 10 | 153 | 41 | 967 | 9 | 294 | 31 | 39 | 86 | 151 | 76 | 25 | 1 | 26 | 0 | 73 | 0 | 0 | 2198 |



Anchorage ARTCC Contact Information



**Federal Aviation
Administration**

Steve Kessler
Support Manager,
Airspace and Procedures

Anchorage ARTCC
700 N. Boniface
Anchorage, AK 99506
T 907 269 2730
F 907 269 2580
E steve.kessler@faa.gov



Questions?

