

FAA Anchorage ARTCC



Presented to: Cross Polar Working Group / 20

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

Date: October 26 - 29, 2015



Federal Aviation
Administration



Anchorage ARTCC (ZAN) Update

- **Anchorage ARTCC**
- **Sector “64”**
- **New Magadan FIR Entry Fixes**
- **Oceanic Performance**
- **Space Launch Activities**
- **UAS Operations**
- **Large Scale Military Exercises**
- **Traffic Count**



Anchorage ARTCC (ZAN) Update

Anchorage ARTCC Website

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



The screenshot shows a web browser window displaying the FAA website. The address bar shows the URL: http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/artcc/anchorage/. The page features the FAA logo and navigation links. The main content area is titled "Anchorage Air Route Traffic Control Center (ZAN)" and includes a brief description of the center's responsibilities and a list of resources for pilots and dispatchers. A sidebar on the left lists various air traffic services.

Air Traffic Services

- Flight Plan Filing
- Air Route Traffic Control Centers (ARTCC) →
- Airport Traffic Control Towers (ATCT)
- Terminal Radar Approach Control Facilities (TRACON)

Anchorage Air Route Traffic Control Center (ZAN)

FAA Home ► Offices ► Air Traffic Organization ► Service Units ► Air Traffic Services ► Air Route Traffic Control Centers (ARTCC)

Print Share

Anchorage ARTCC (ZAN) is the northern, eastern and western-most center. It is one of three designated oceanic centers. Anchorage ARTCC has control responsibility for more than two-million square miles of airspace. It has three areas of specialty and 15 sectors. ZAN operates on two separate automation platforms, ATOP (Advanced Technologies Oceanic Procedures) and MEARTS/FDP-2000 (Micro En Route Automated Radar Tracking System). Some of the sectors cover extremely large geographic areas and on average use more communications frequencies per sector than any other facility. RADAR coverage is limited to 55-60% of the airspace.

Resources for Pilots & Dispatchers

 Anchorage ARTCC
700 North Boniface Parkway
Anchorage, AK 99506

- [Contact List](#)

Josh McKinley, Web POC
[ZAN Web Site Feedback](#)

Anchorage ARTCC (ZAN) Update

Air Traffic Facility Personnel

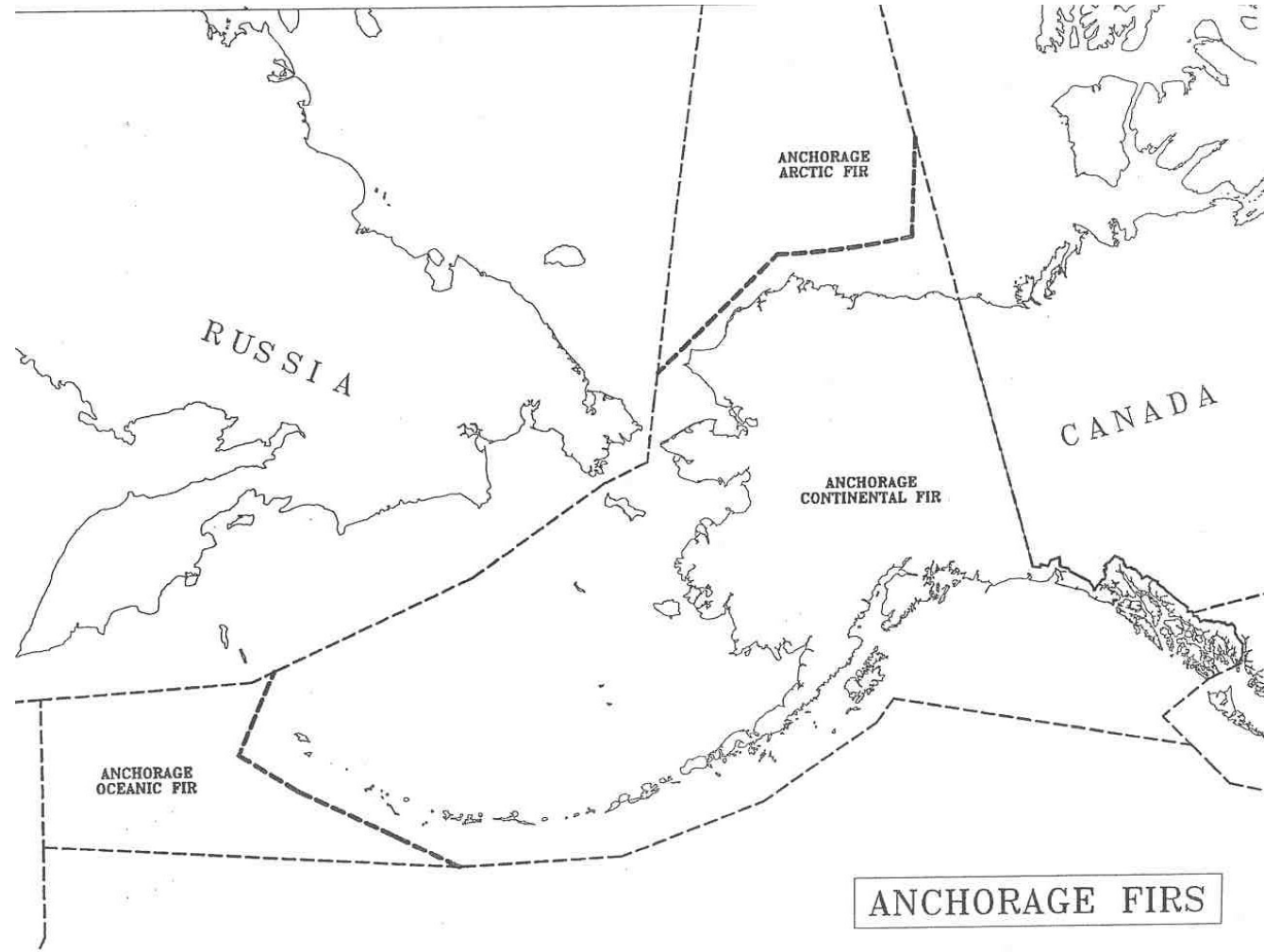
- 146 Employees total
- 64 Controller Work Force
- 30 Trainees
- 19 Front Line Managers (include STMC)
- 3 Operations Managers
- 4 Support Managers
- 9 Support Staff
- 4 Traffic Management Coordinators
- 9 Flight Data Unit
- 4 CWSU Weather Unit



Anchorage ARTCC (ZAN) Update

Three Flight Information Regions (FIR)

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



Anchorage ARTCC (ZAN) Update

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 (ZAN) Update

Anchorage ARTCC

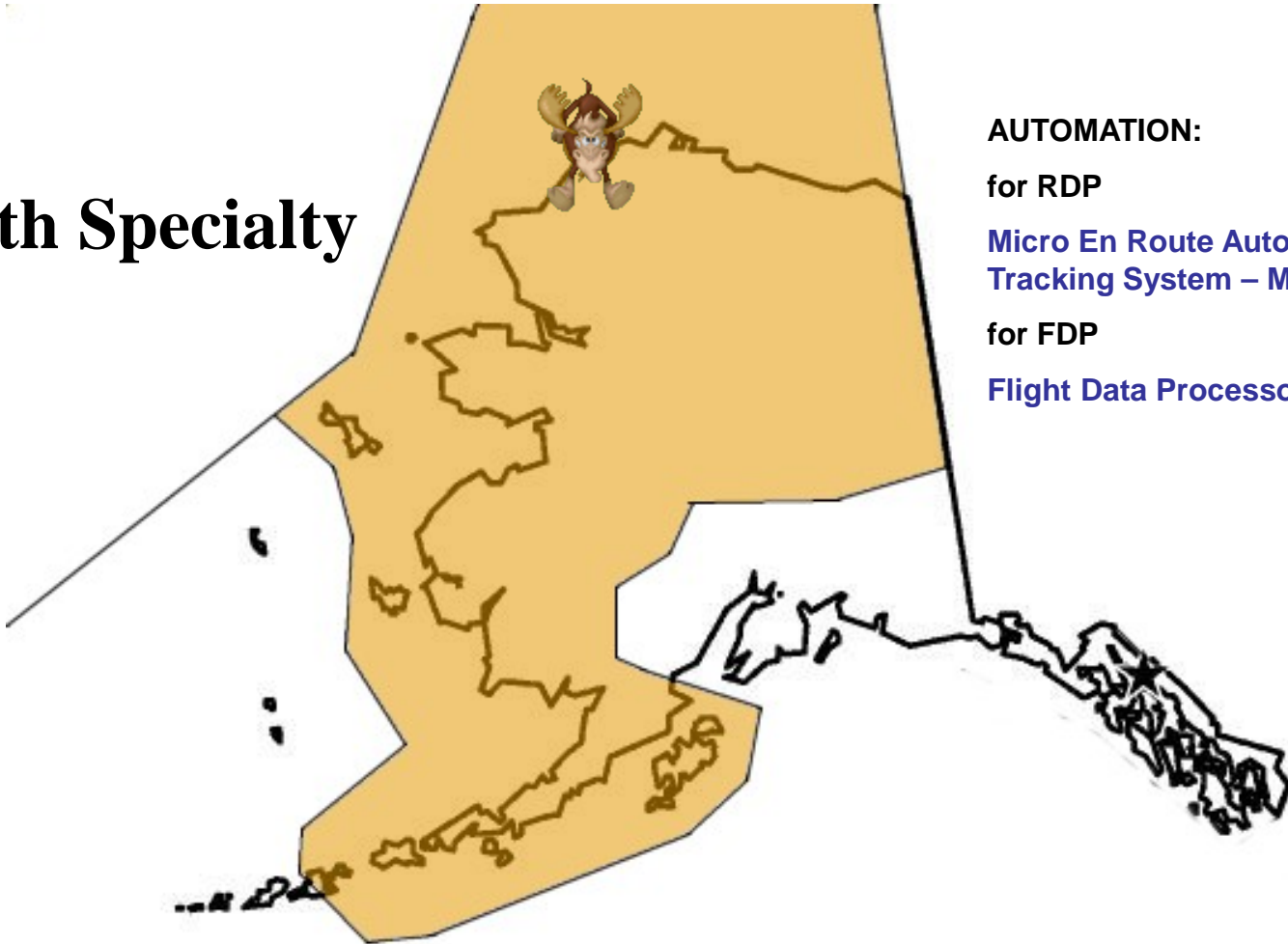
- **Airspace and Sector Structure**

Three Areas of Specialization

- * North
- * South
- * High

Anchorage ARTCC (ZAN) Update

North Specialty



AUTOMATION:

for RDP

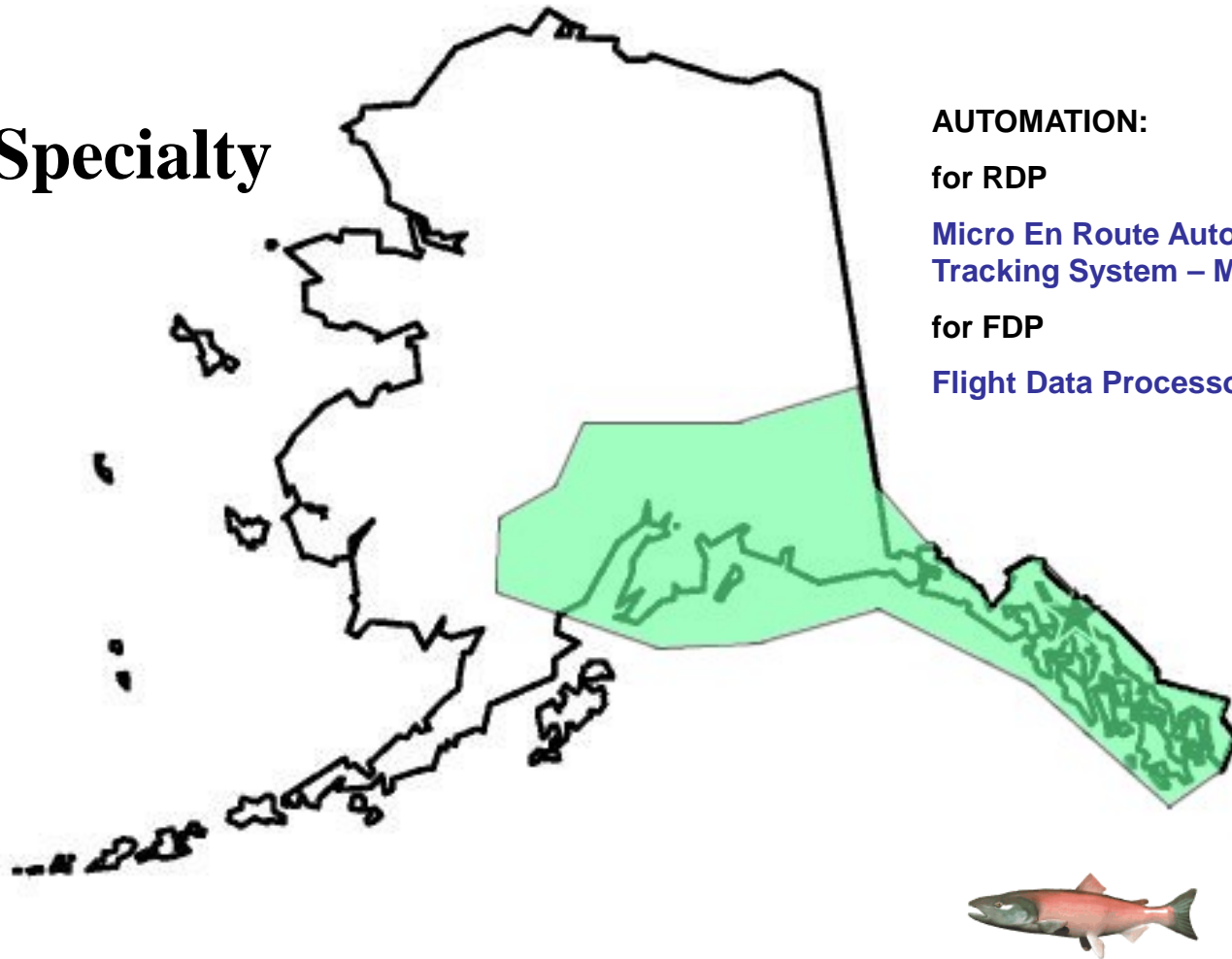
Micro En Route Automated Radar
Tracking System – MEARTS

for FDP

Flight Data Processor 2000 – FDP200

Anchorage ARTCC (ZAN) Update

South Specialty



AUTOMATION:

for RDP

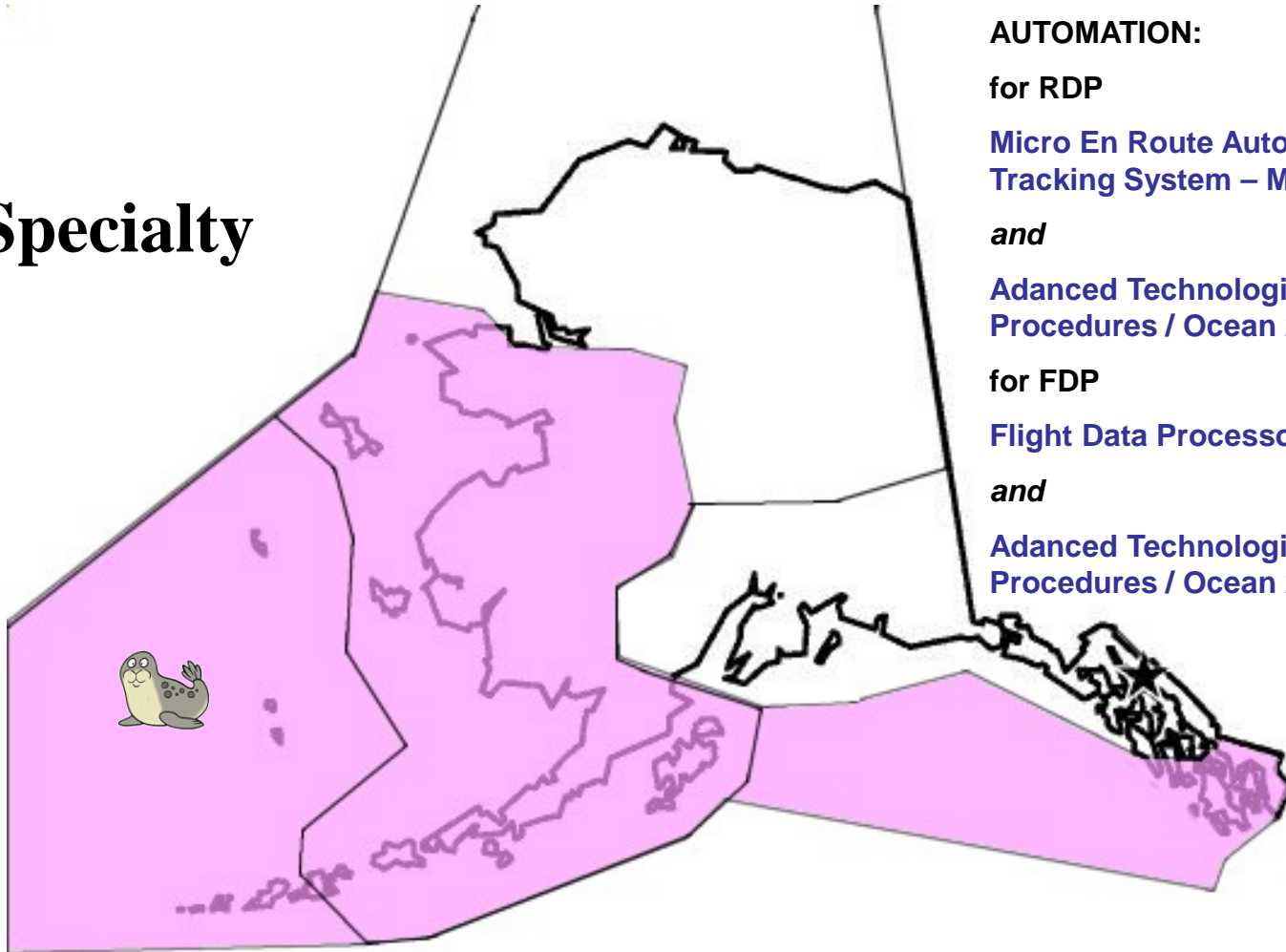
**Micro En Route Automated Radar
Tracking System – MEARTS**

for FDP

Flight Data Processor 2000 – FDP200

Anchorage ARTCC (ZAN) Update

High Specialty



AUTOMATION:

for RDP

**Micro En Route Automated Radar
Tracking System – MEARTS**

and

**Adanced Technologies and Oceanic
Procedures / Ocean 21 – ATOP/OC21**

for FDP

Flight Data Processor 2000 – FDP2000

and

**Adanced Technologies and Oceanic
Procedures / Ocean 21 – ATOP/OC21**

Anchorage ARTCC (ZAN) Update



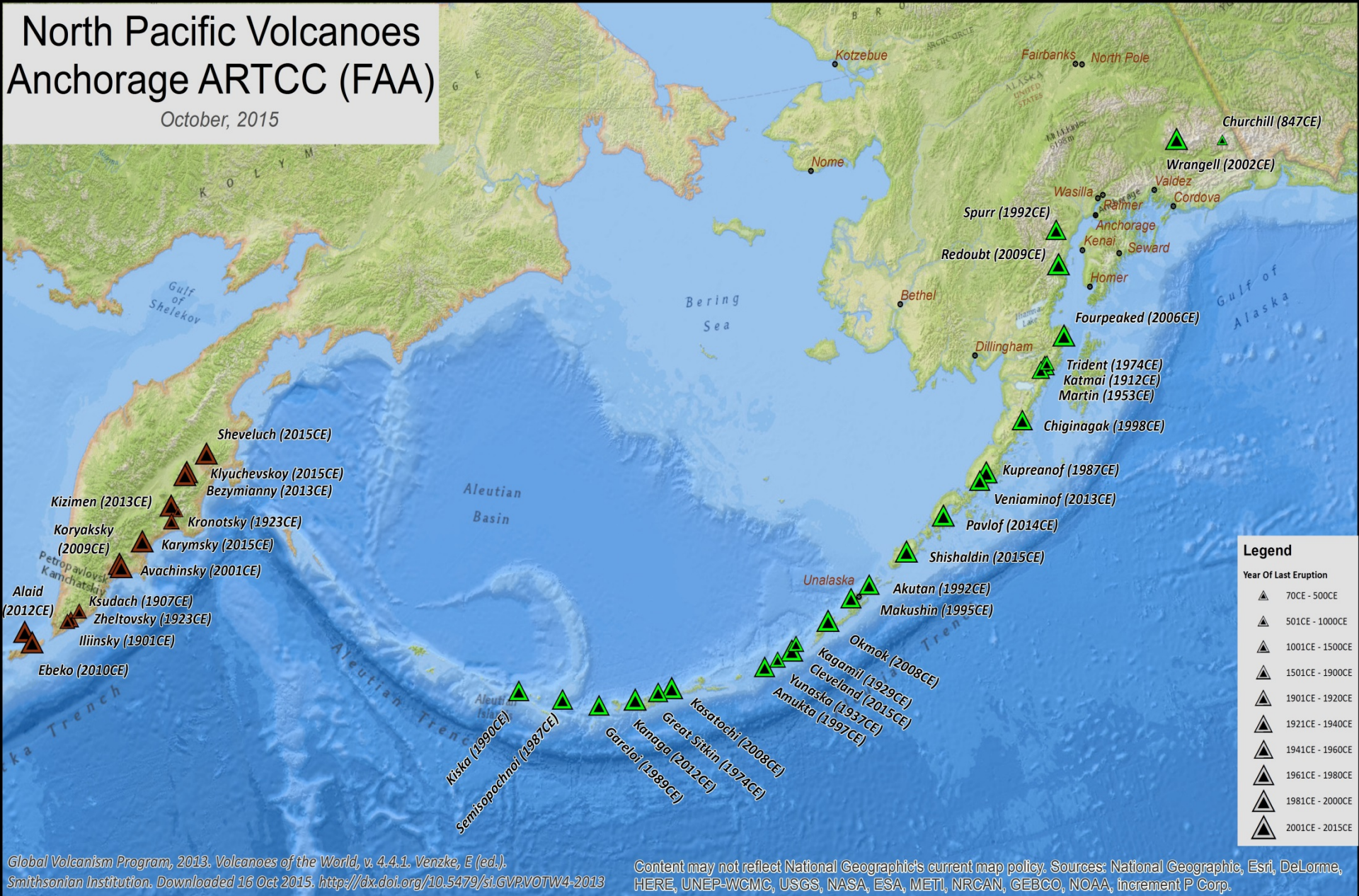
Volcanoes



The following maps and information courtesy of the
Alaska Volcano Observatory
<http://www.avo.alaska.edu/>

North Pacific Volcanoes Anchorage ARTCC (FAA)

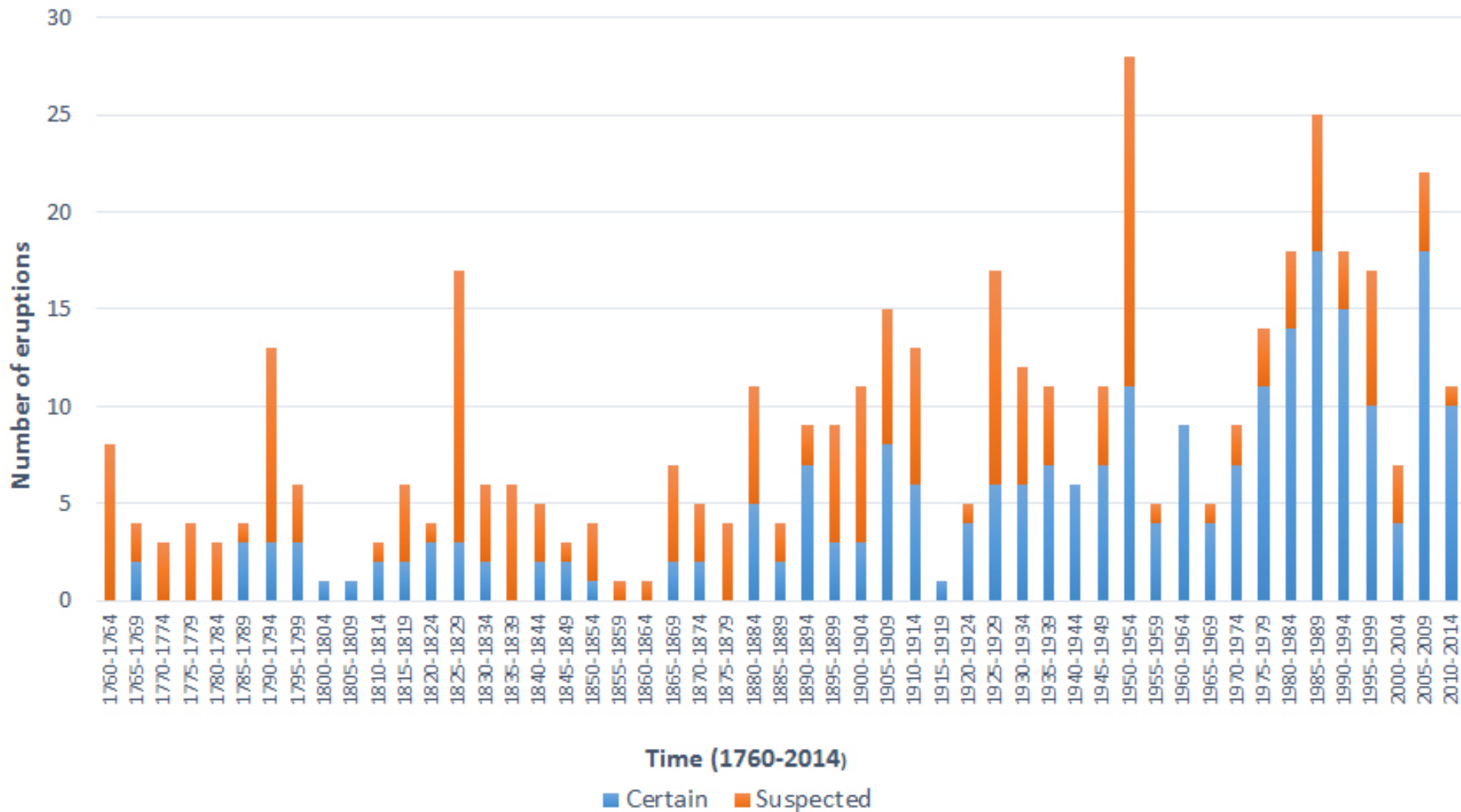
October, 2015



Global Volcanism Program, 2013. *Volcanoes of the World*, v. 4.4.1. Venzke, E (ed.). Smithsonian Institution. Downloaded 16 Oct 2015. <http://dx.doi.org/10.5479/si.GVPVOTW4-2013>

Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Reported Alaskan eruptions through time



Creator: Cheryl Cameron- Alaska Volcano Observatory/Alaska Division of Geological & Geophysical Surveys



Federal Aviation
Administration

So, volcanic ash, what's the big deal?

- On December 15, 1989, a Boeing 747 flying 240 kilometers (150 miles) northeast of Anchorage encountered an ash cloud erupted from Redoubt Volcano and lost power in all four jet engines. The plane, with 231 passengers aboard, lost more than 3,000 meters (~9,800 feet) of elevation before the flight crew was able to restart the engines (Casadevall, 1994). After landing, it was determined the airplane had suffered about \$80 million in damage (Brantley, 1990).

* Provided by Alaska Volcano Observatory
web site- <http://www.avo.alaska.edu/>



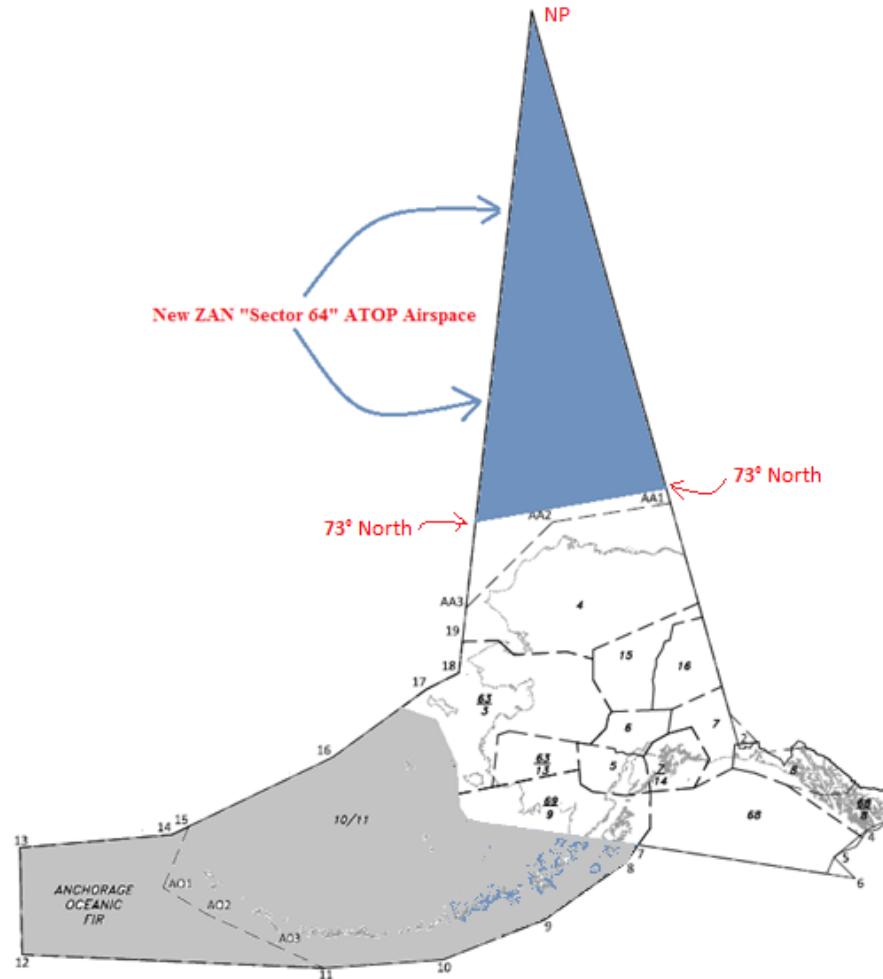
Anchorage ARTCC (ZAN) Update

- Anchorage ARTCC
- **Sector “64”**
- New Magadan FIR Entry Fixes
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- Large Scale Military Exercises
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Anchorage ARTCC (ZAN) Update

ZAN Sector “4” to “4 and 64”



Anchorage ARTCC (ZAN) Update

ZAN Sector “64”

- Due to issues regarding staffing and system software, Anchorage has determined it necessary to delay implementation of “Sector 64” in the Arctic airspace.
- Resolutions to these issues are not yet in hand, but Anchorage’s intention is to move forward with Sector 64 as early as possible.
- Updates will be provided as they become available.

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Anchorage ARTCC (ZAN) Update

The following is based upon preliminary information received from Magadan ACC / State ATM Corp. of Russia.

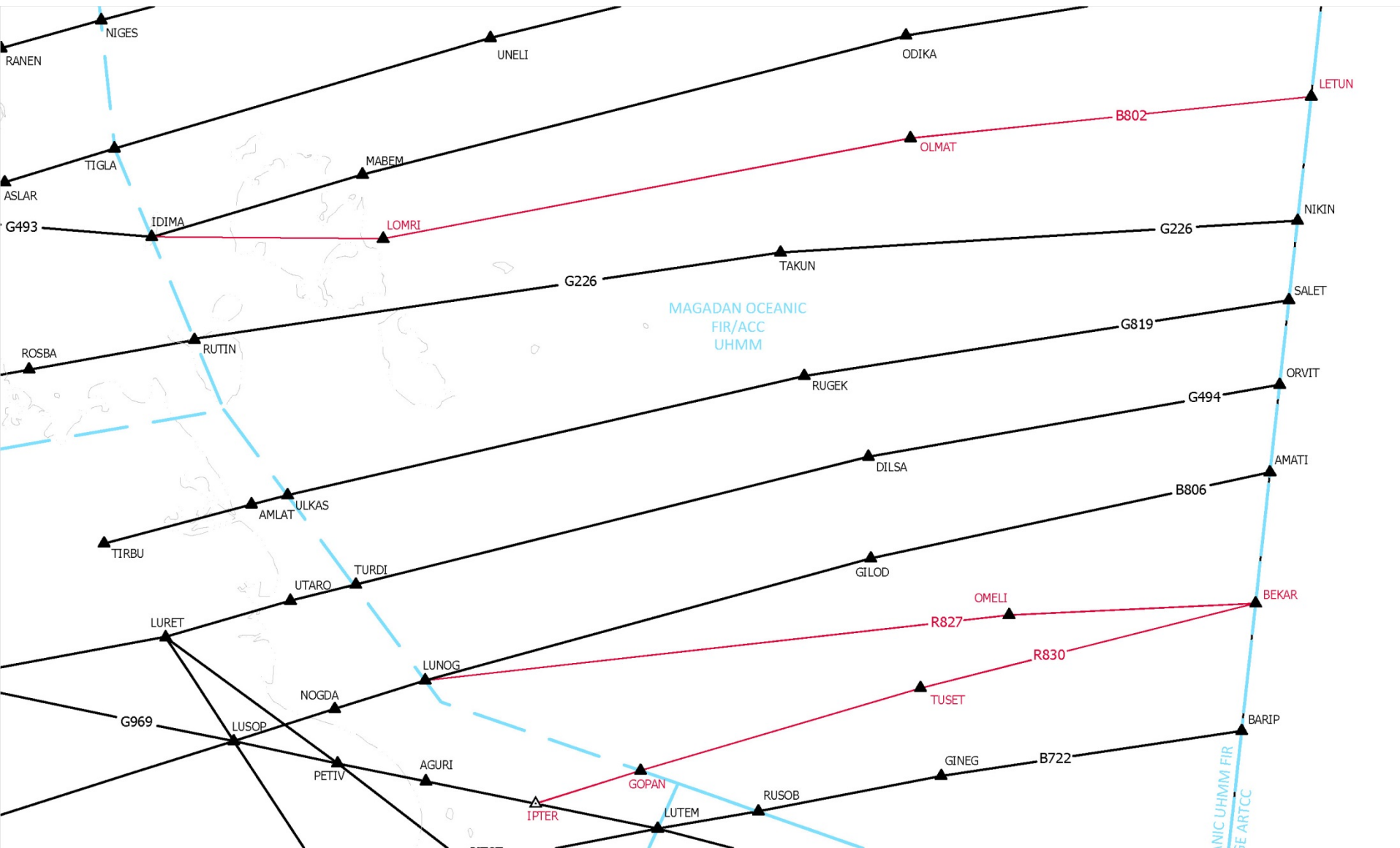
The Traffic Management Initiatives discussed are tentative and subject to change.

Dispatchers should closely monitor PAZA and UHMM NOTAMs for possible changes to this information.

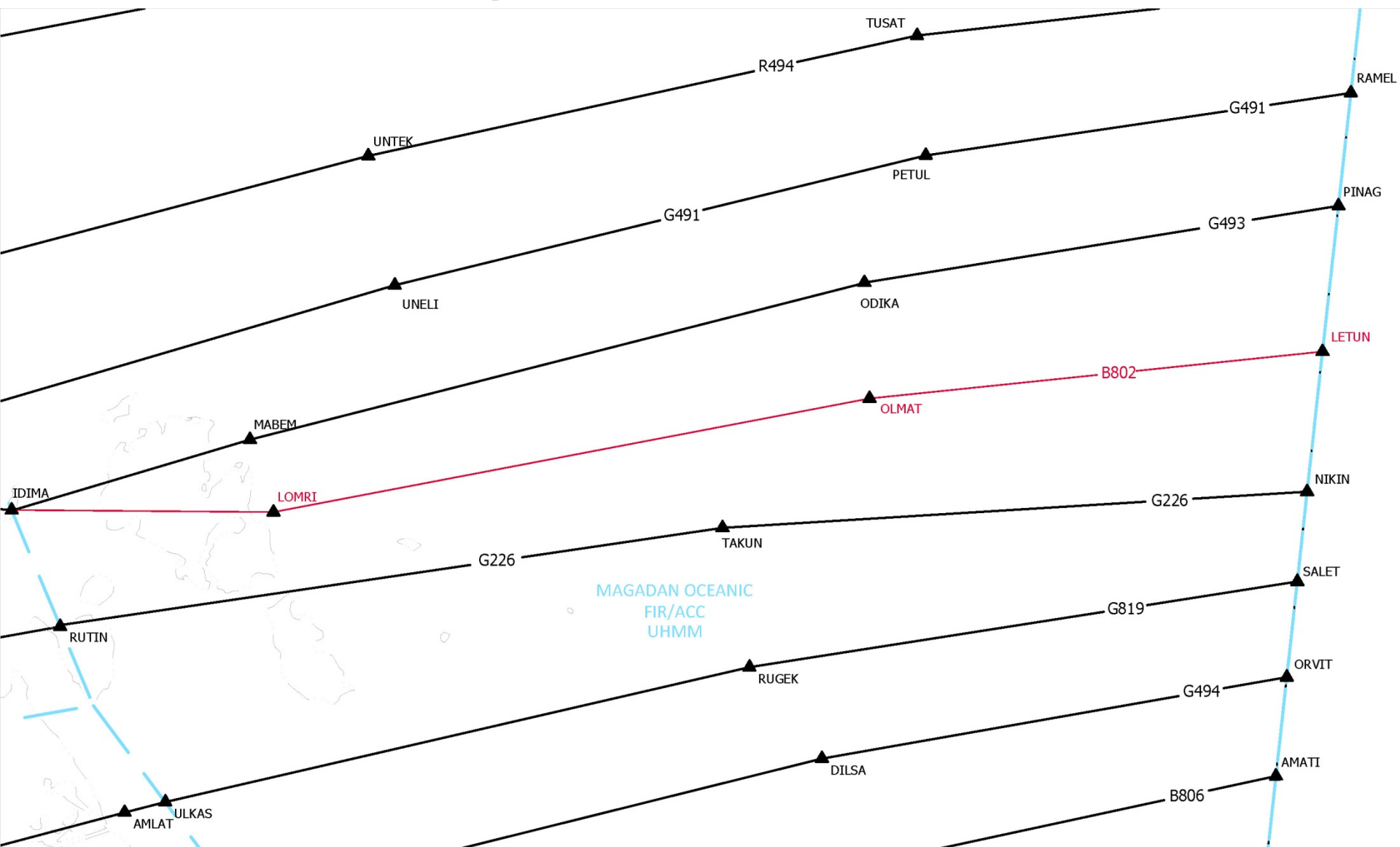
Anchorage ARTCC (ZAN) Update

- Effective **November 12, 2015**, Magadan ACC is making two new entry fixes available for Cross Polar flights across the Anchorage Arctic / Magadan Oceanic FIR boundary: LETUN and BEKAR.
- Preliminary information received from Magadan / State ATM Corp describes the available routings as:
 - LETUN B802 OLMAT B802 LOMRI B802 IDIMA
and
 - BEKAR
 - R827 OMELI R827 LUNOG
 - R830 TUSET R830 GOPAN

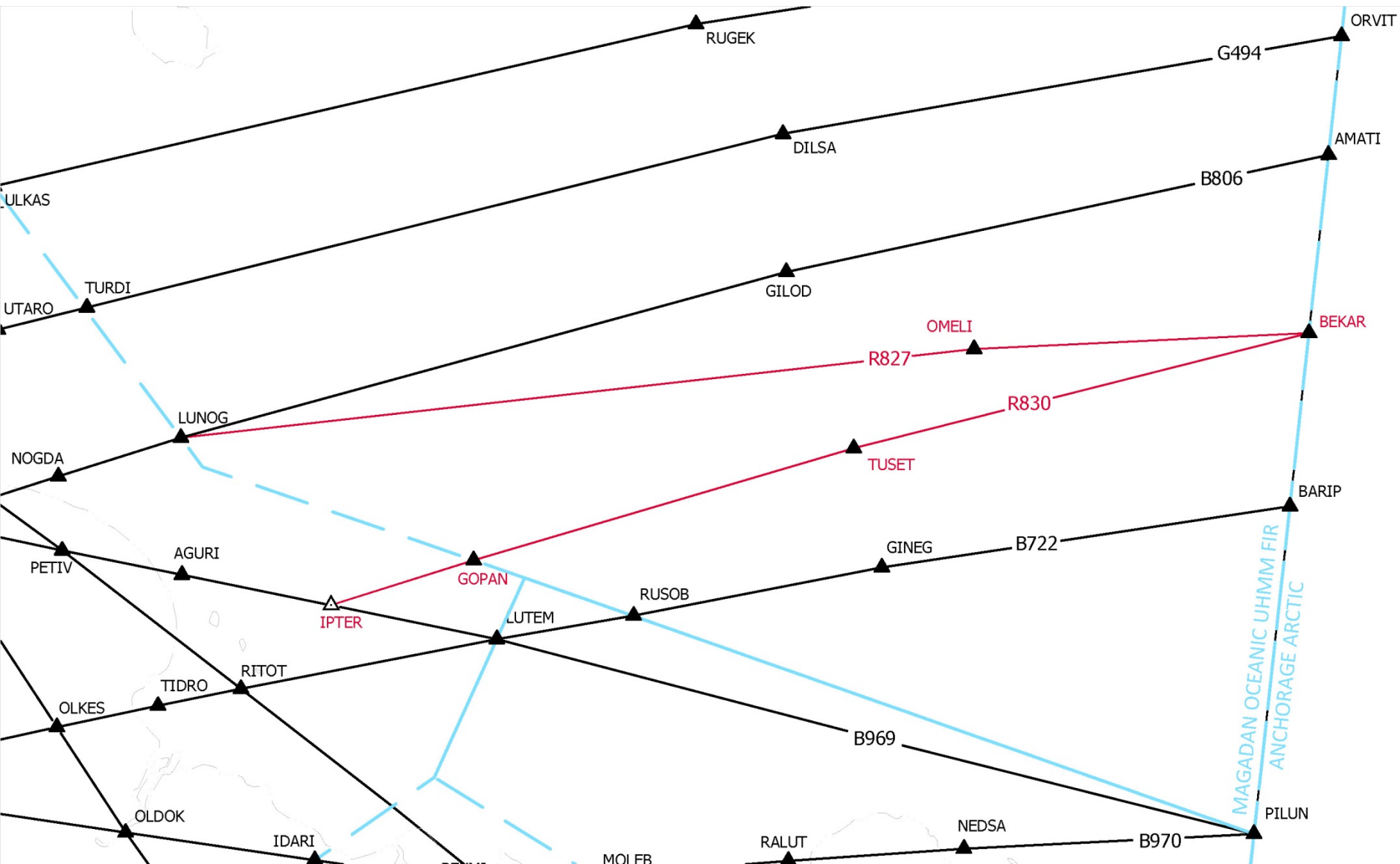
Anchorage ARTCC (ZAN) Update



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Anchorage ARTCC (ZAN) Update

- DOTS Plus TKFs may be filed for LETUN and BEKAR beginning at 2015/11/12/0915 UTC for flights which will cross LETUN or BEKAR at or after 2015/11/12/1500 UTC
- Existing PAZA Traffic Management Procedures (PAZA NOTAM A0395/14) will be modified to accommodate LETUN / BEKAR traffic.
 - Current restriction for traffic filed PINAG permits traffic to cross 141W over or between PEASY and 8200N141W.
 - ❖ *Revised restriction for PINAG will require PINAG traffic to file over PEASY.*
 - Current restriction for AMATI permits traffic to cross 141W between JESRU and 7700N141W.
 - ❖ *Revised restriction for AMATI will require AMATI traffic to file over **AGMIF*** (AGMIF IS 7700N14100W).*
 - ❑ LETUN* traffic will be required to cross 141W over **LAHEY*** (LAHEY is 8200N14100W).
 - ❑ BEKAR* traffic will be required to cross 141W over JESRU.

*New fixes effective November 12th, 2015.

Anchorage ARTCC (ZAN) Update

- Also effective November 12th, additional changes will be made to existing PAZA Traffic Management Procedures (PAZA NOTAM A0395/14) in order to smooth/simplify operations along 141W.
 - Current restriction for traffic filed RAMEL requires traffic to file over, or between RESUM and 8350N.
 - ❖ *Revised restriction for RAMEL will require RAMEL traffic to file over RESUM.*
 - Current restriction for NIKIN requires traffic to file over, or between COALL and 8100N14100W.
 - ❖ *Revised restriction for NIKIN will require NIKIN traffic to file over **NAMWE*** (NAMWE IS 8100N14100W).*

*New fixe effective November 12th, 2015.

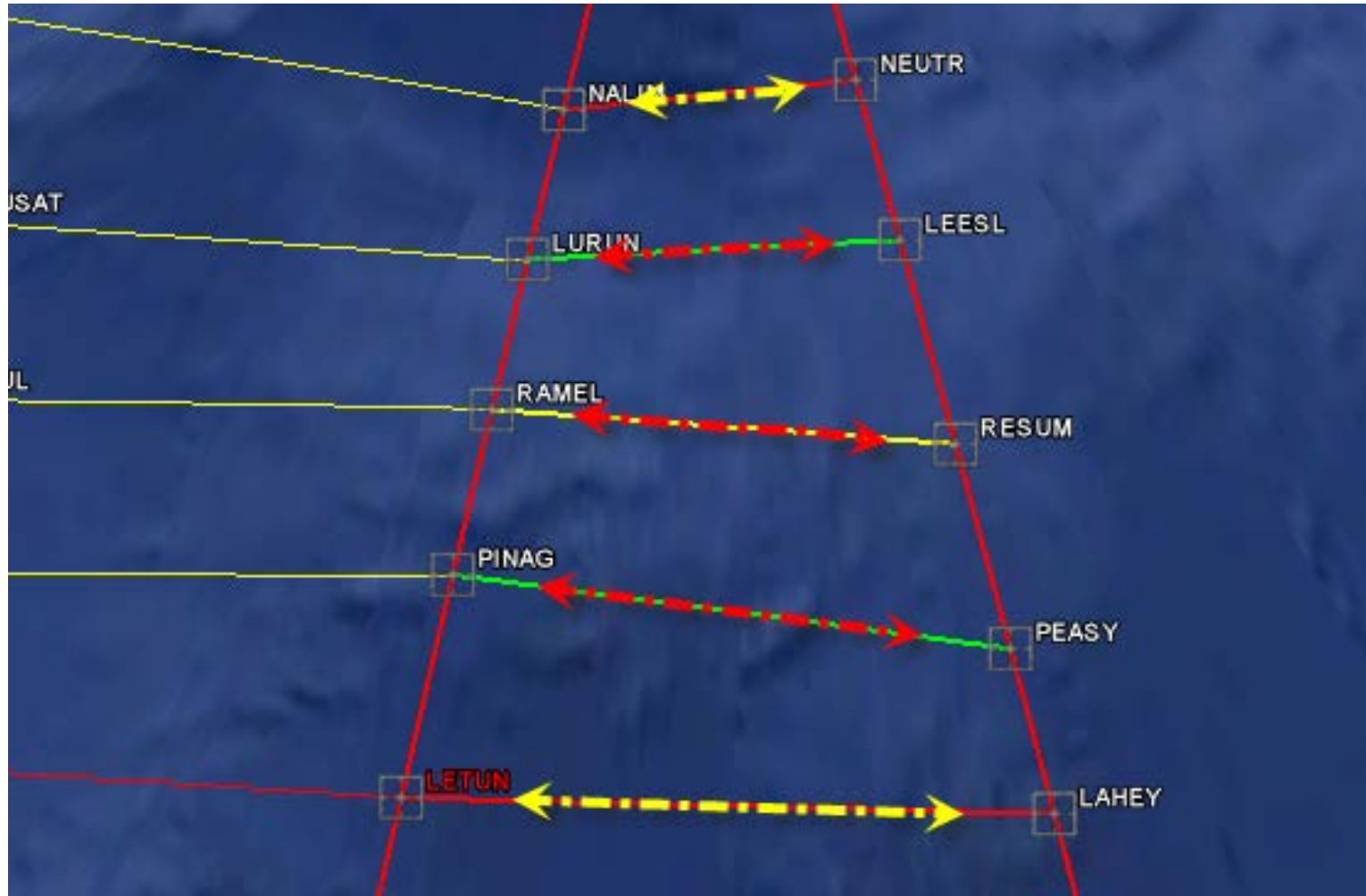
Anchorage ARTCC (ZAN) Update

Changes to Anchorage Arctic FIR Routing NOTAM



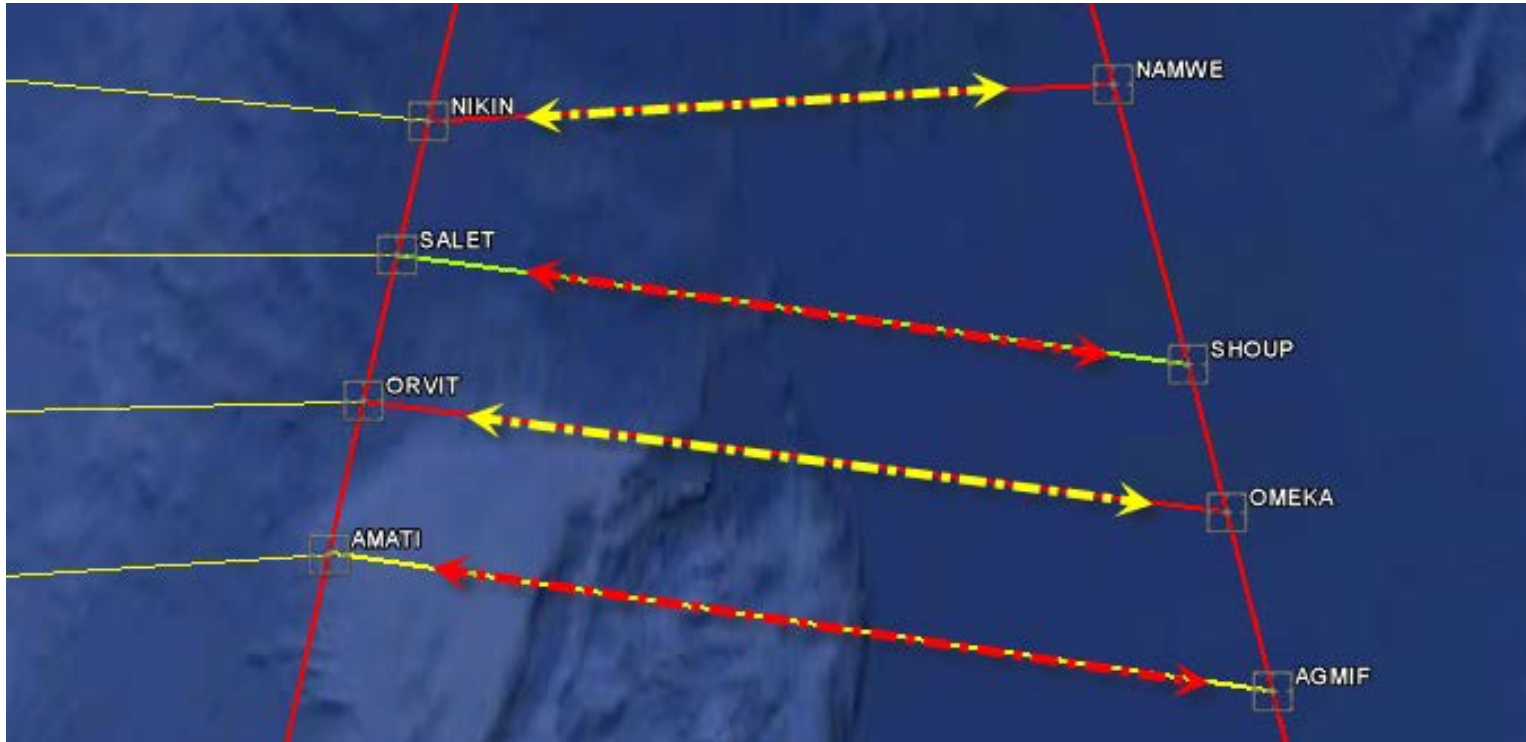
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Changes to Anchorage Arctic FIR Routing NOTAM



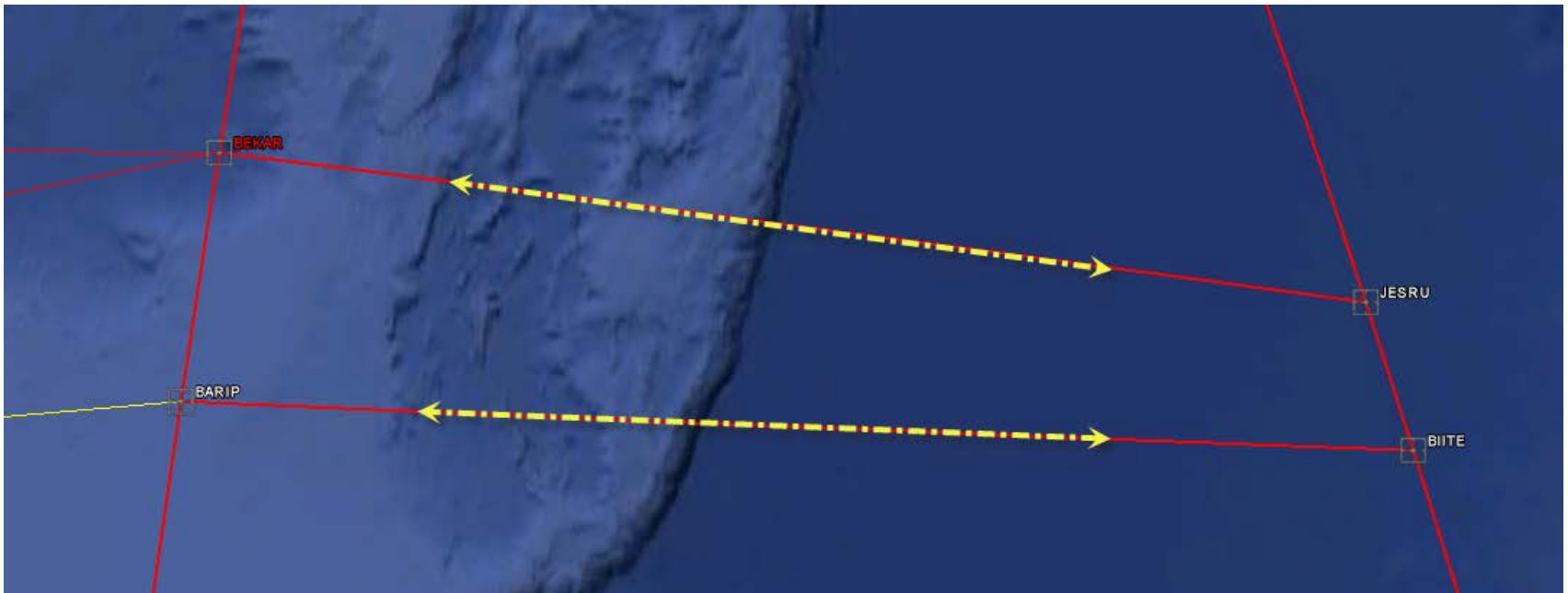
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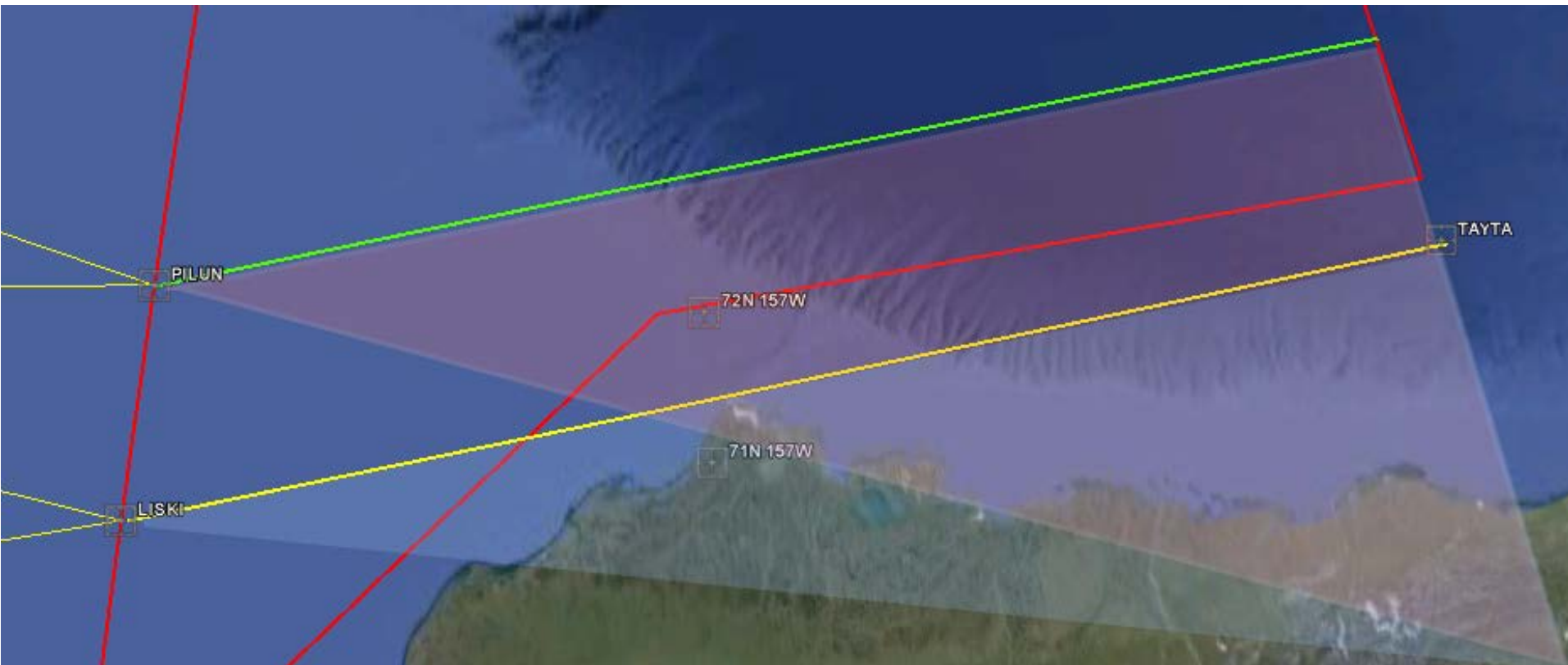
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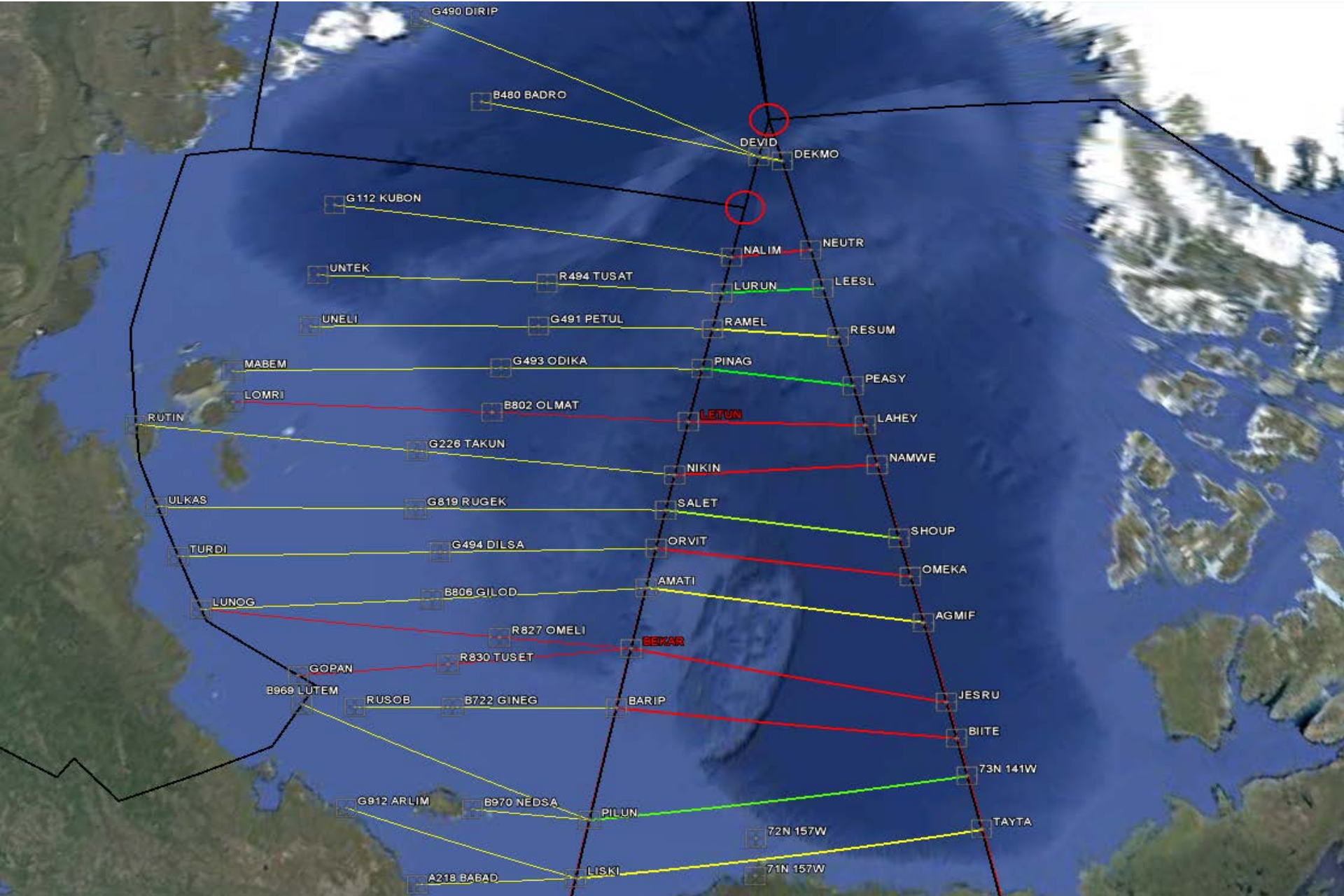
Changes to Anchorage Arctic FIR Routing NOTAM



Anchorage ARTCC (ZAN) Update

Changes to Anchorage Arctic FIR Routing NOTAM





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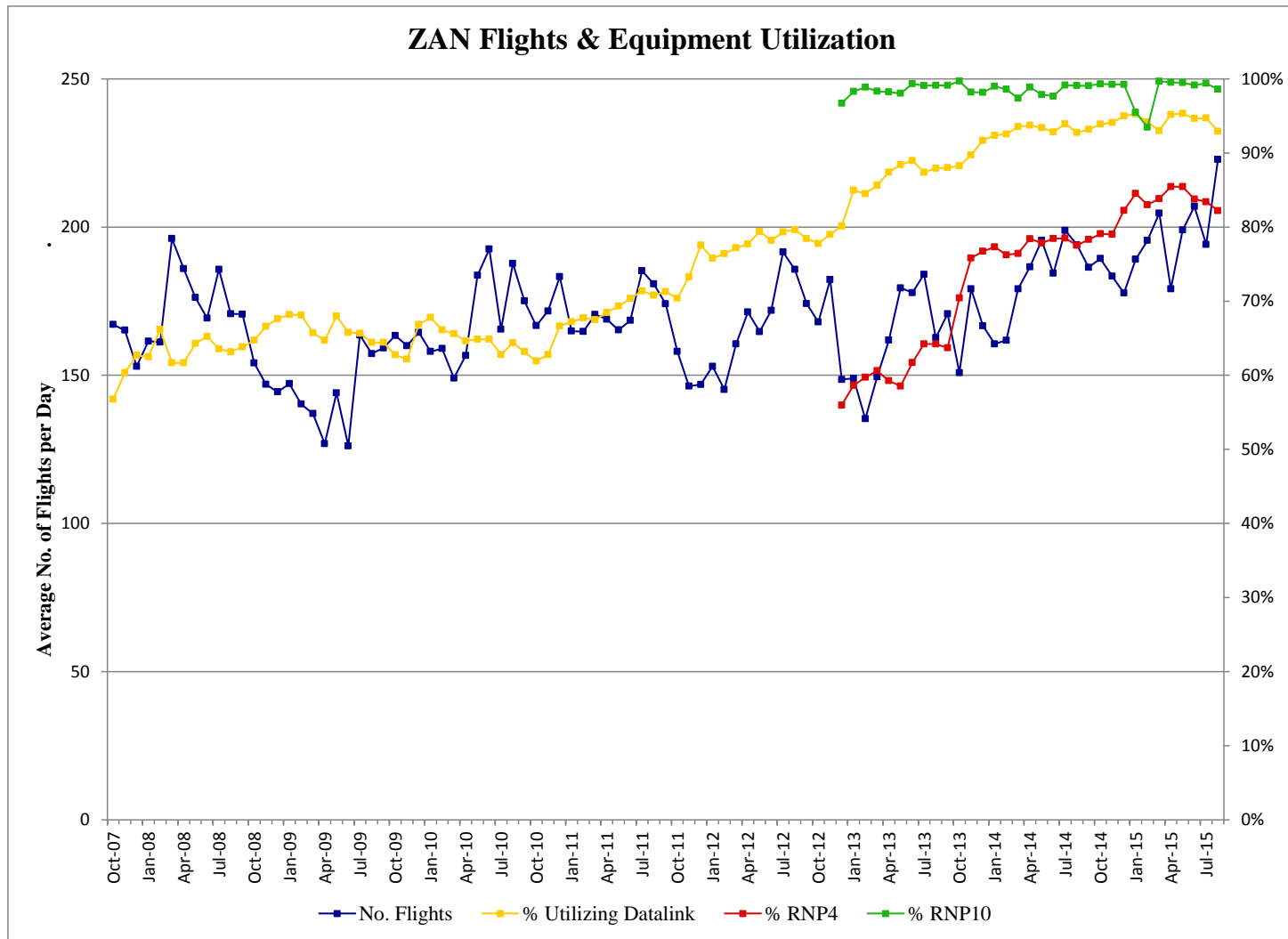
Oceanic Performance

The Advanced Technologies and Oceanic Procedures / Ocean 21 system (ATOP/OC21) permits FAA to gather data vis-à-vis Oceanic operations. The following charts provide a visual presentation of this selected data.



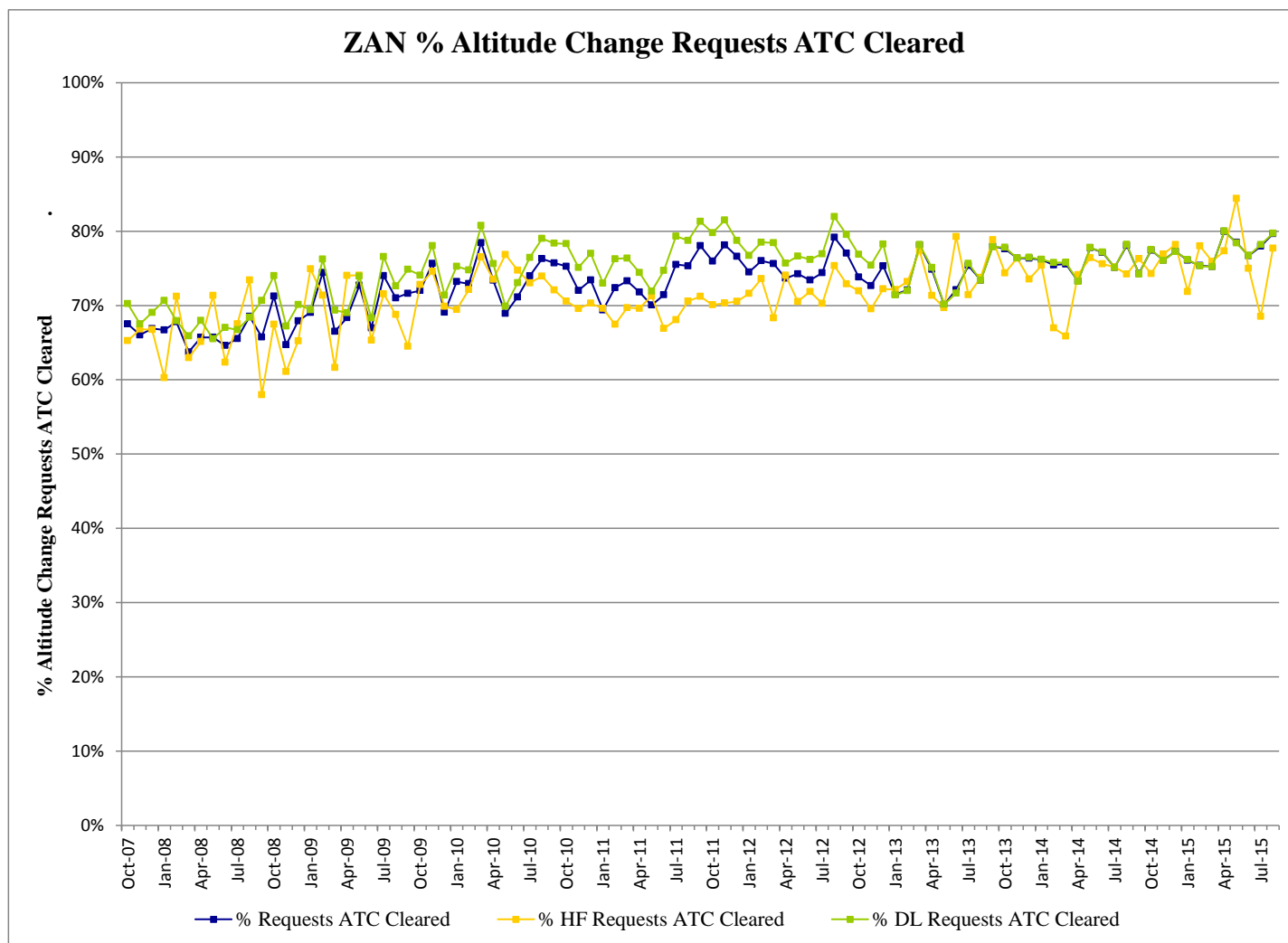
Anchorage ARTCC (ZAN) Update

Oceanic Performance



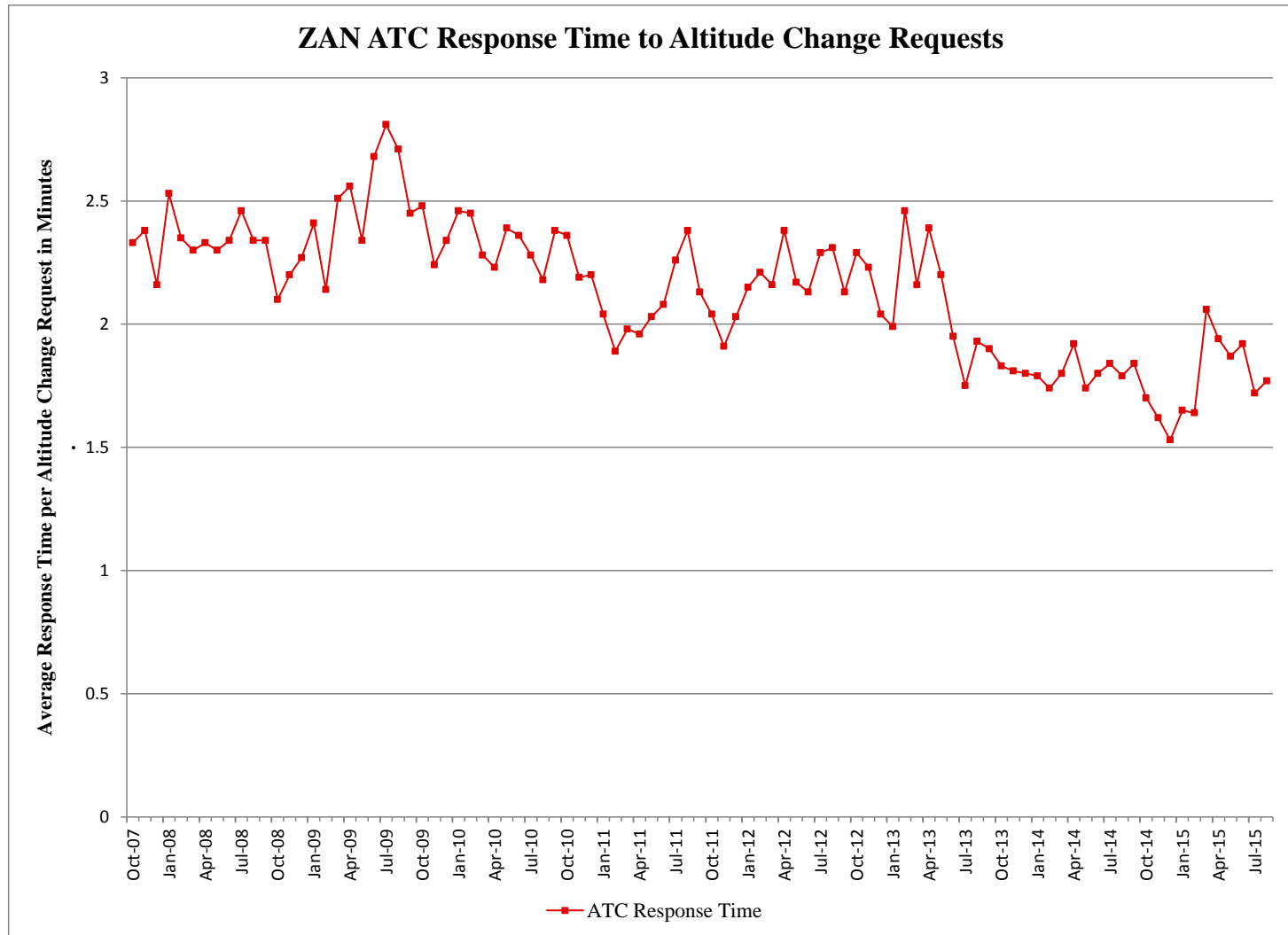
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Oceanic Performance



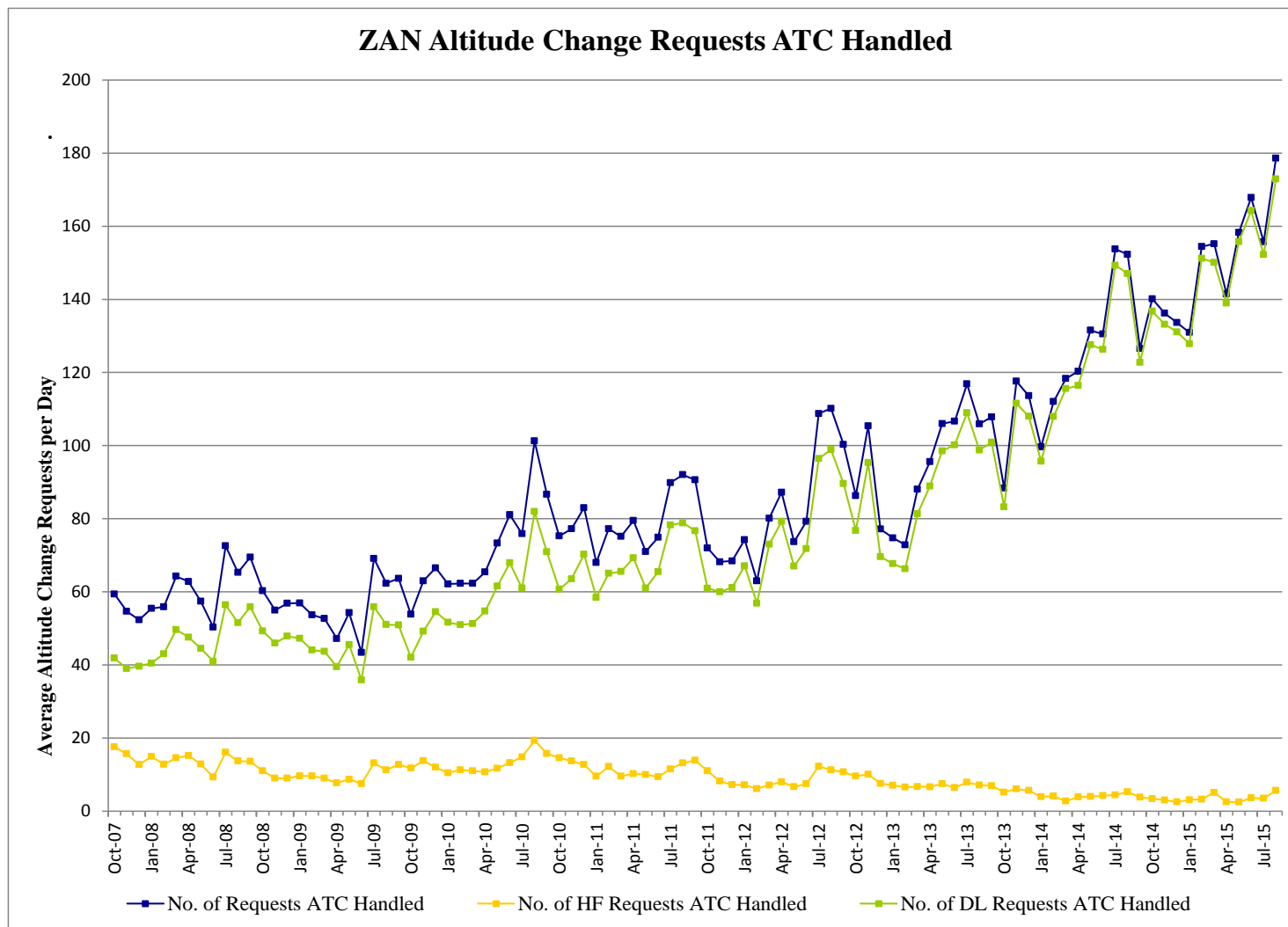
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Oceanic Performance



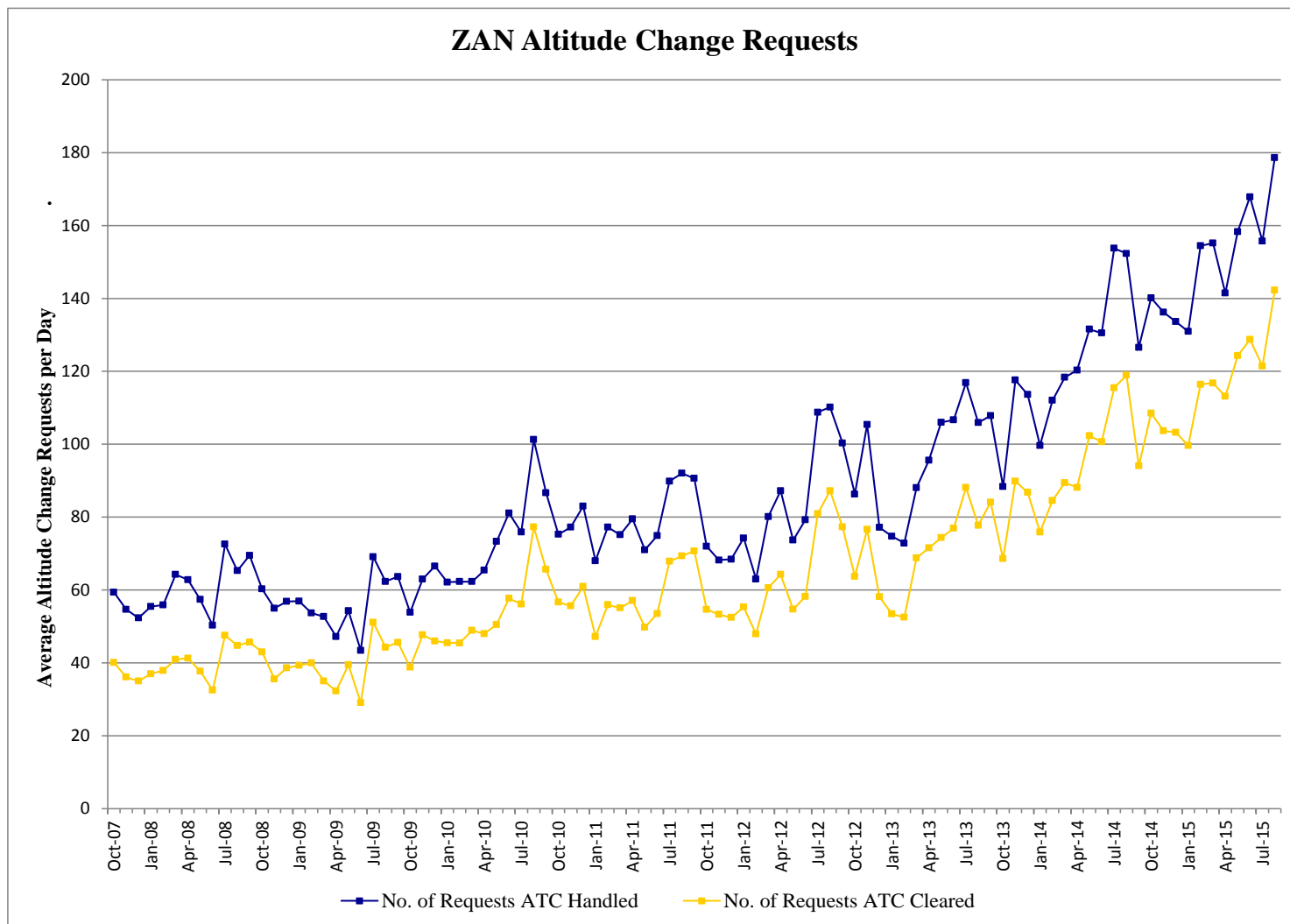
Anchorage ARTCC (ZAN) Update

Oceanic Performance



Anchorage ARTCC (ZAN) Update

Oceanic Performance



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Anchorage ARTCC (ZAN) Update

Kodiak Launch Facility

Has been renamed. It is now; “**Pacific Spaceport Complex-Alaska**”



Courtesy www.akaerospace.com

Anchorage ARTCC (ZAN) Update

Pacific Spaceport Complex-Alaska

September 8, 2015 Alaska Aerospace Corporation reported awarding a contract to an Anchorage engineering company to rebuild the facilities that were damaged by a failure in August 2014.

The reconstruction is expected to be completed in 2016.



No launch activity coordinated for this period.

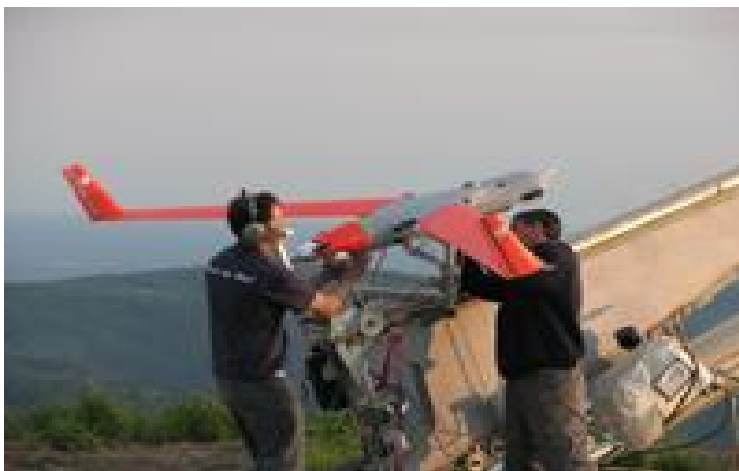
Anchorage ARTCC (ZAN) Update

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Anchorage ARTCC (ZAN) Update

Unmanned Aircraft Systems (UAS)



Anchorage ARTCC (ZAN) Update

UAS Activities

- No updates



Anchorage ARTCC (ZAN) Update

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Anchorage ARTCC (ZAN) Update

Military Exercises

- **Large scale military exercises planned for 2016:**
 - Red Flag 16-1 dates 29 Apr – 13 May, 2016
 - Red Flag 16-2 dates 03 Jun – 17 Jun, 2016
 - Red Flag 16-3 dates 05 Aug – 19 Aug, 2016
 - Red Flag 17-1 dates 07 Oct – 21 Oct, 2016
- **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.**

Anchorage ARTCC (ZAN) Update

Military Exercises

Red Flag TMs

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 NICH0 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**

Anchorage ARTCC (ZAN) Update

Military Exercises

Red Flag TMs

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.

Anchorage ARTCC (ZAN) Update

Military Exercises

Red Flag TMs

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

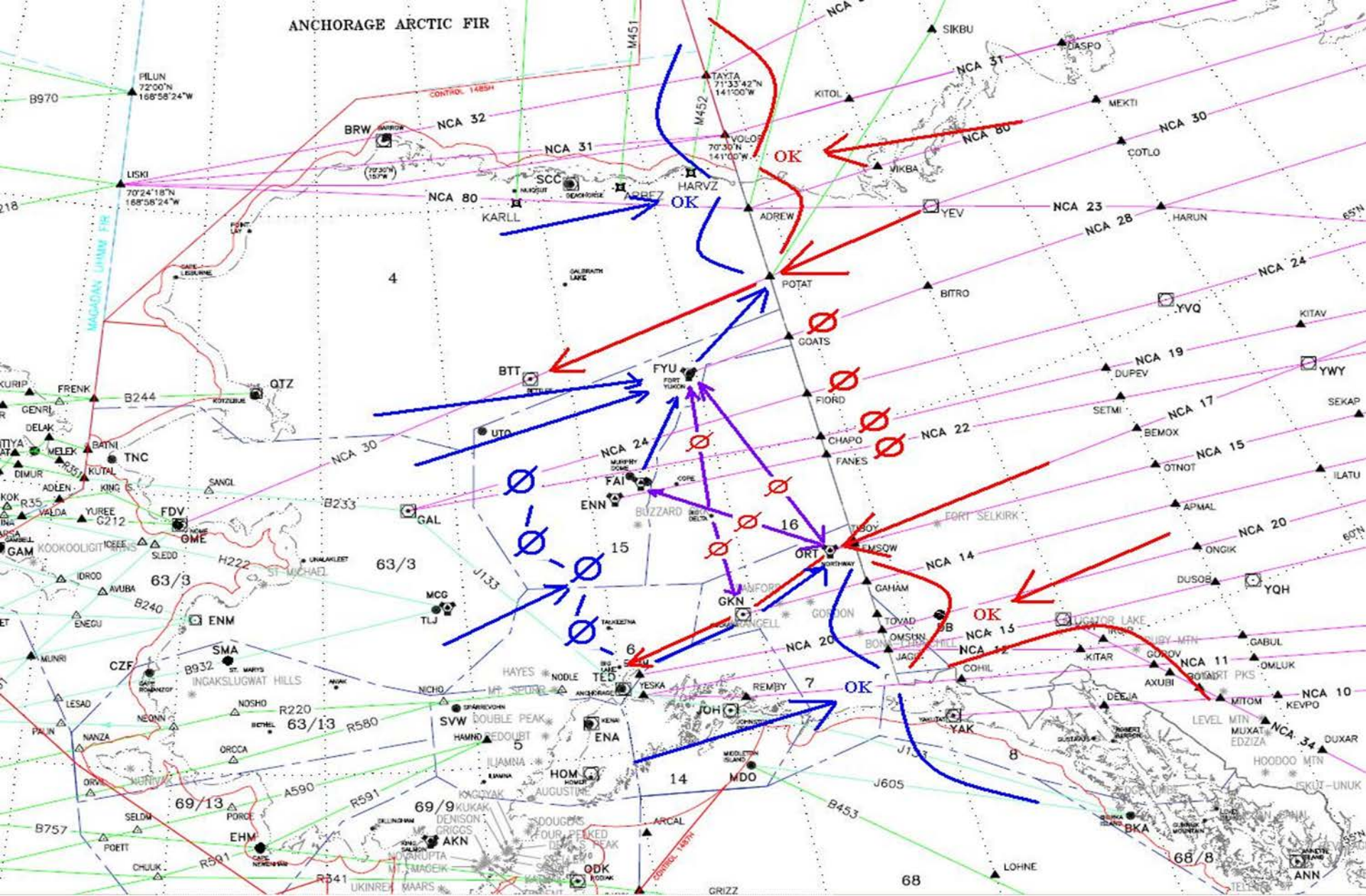
(A) A2, A15 AND B25

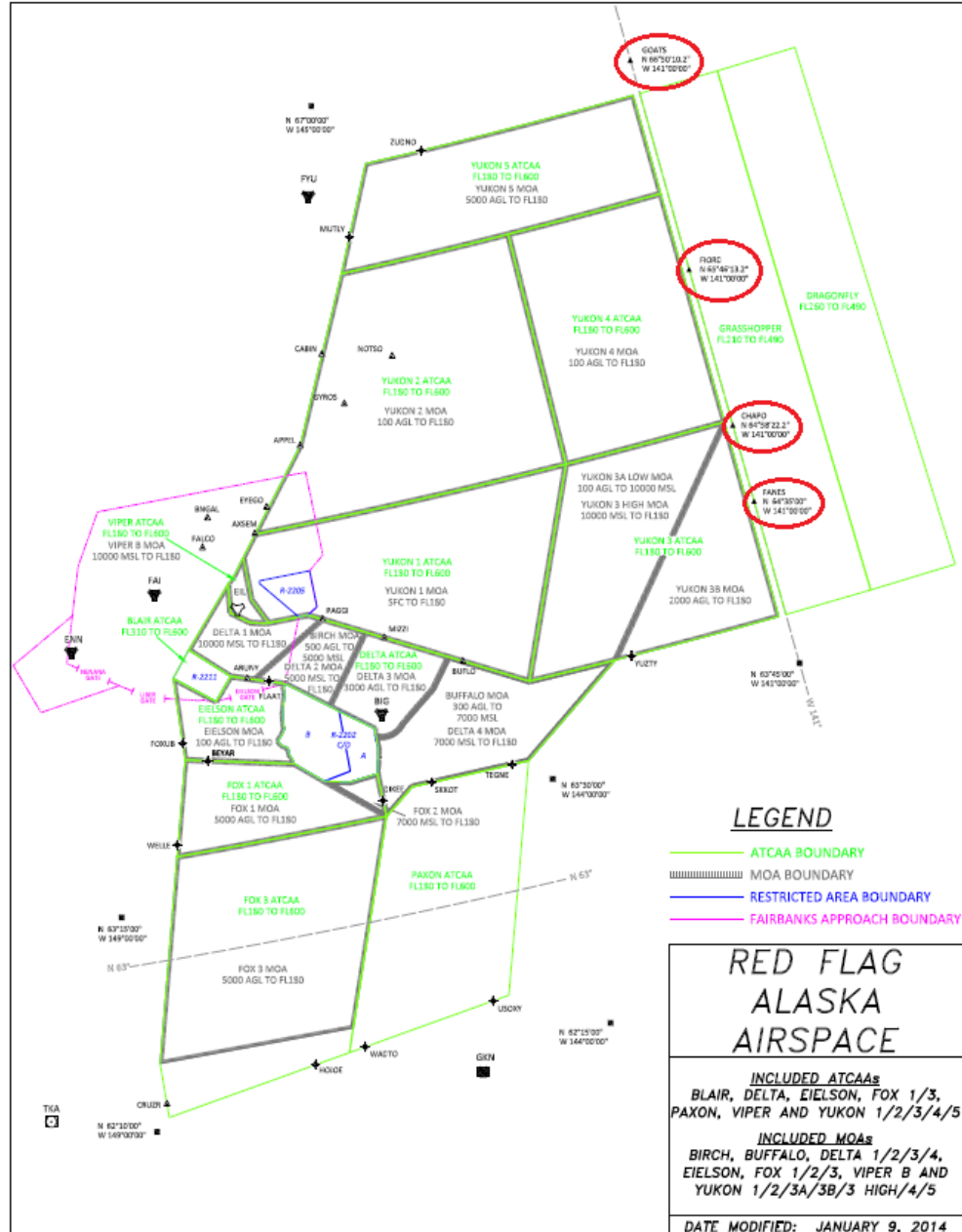
(B) V444, V481 AND V515

(C) T232 AND T226

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

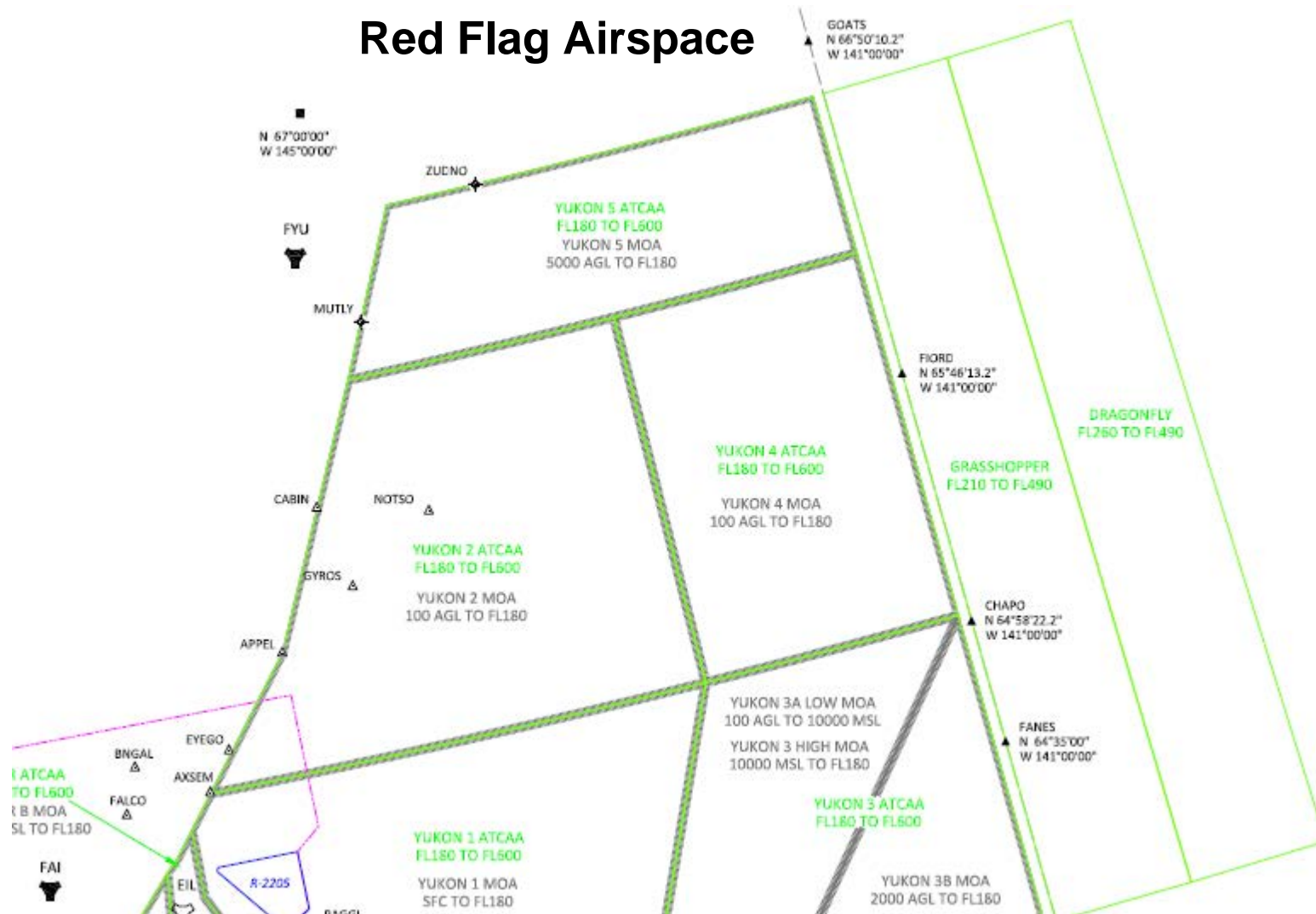
6) FROM 1800-2030 UTC AND 0000-0230 UTC, IFR ARRIVALS/DEPARTURES TO/FROM ALLEN AAF ARE UNAVAILABLE.





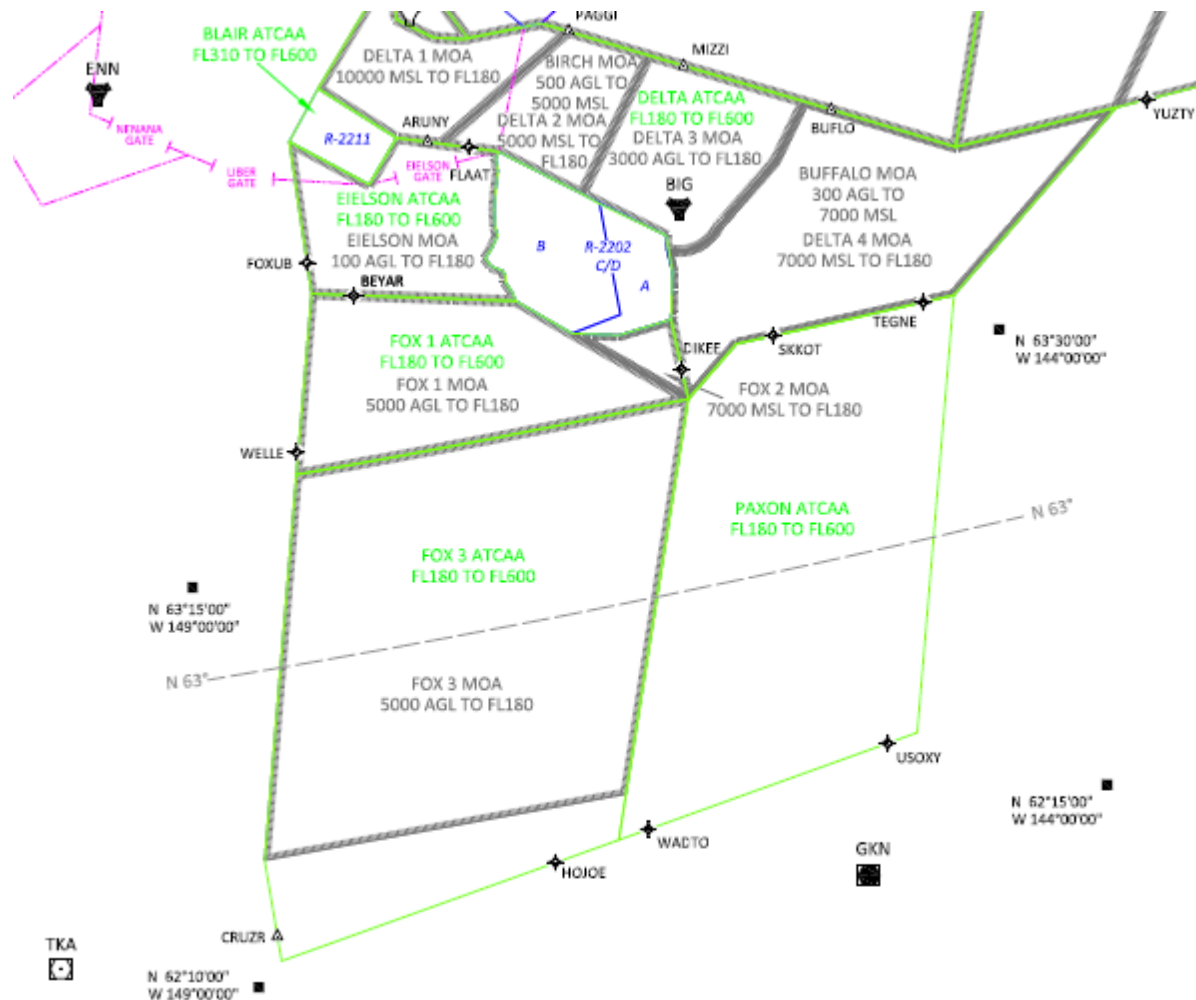
Anchorage ARTCC (ZAN) Update

Red Flag Airspace



Anchorage ARTCC (ZAN) Update

Red Flag Airspace



Anchorage ARTCC (ZAN) Update

Military Exercises

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



Anchorage ARTCC (ZAN) Update

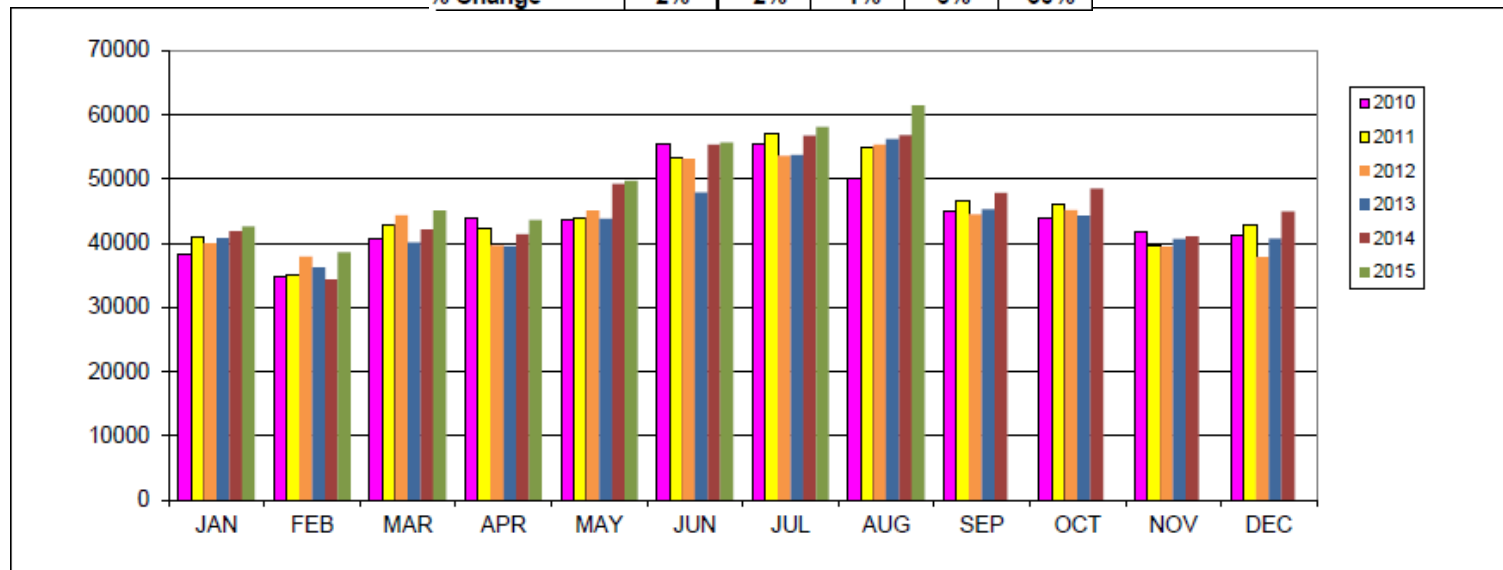
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Anchorage ARTCC (ZAN) Update

ZAN Traffic Count Total Facility

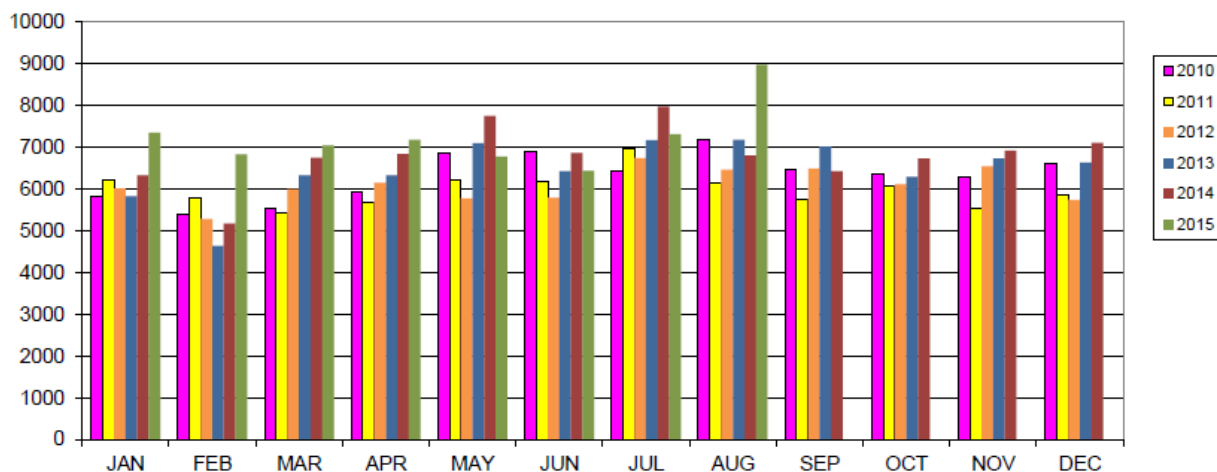
	2010	2011	2012	2013	2014	2015
JAN	38266	40841	39982	40761	41896	42631
FEB	34911	35074	37909	36213	34342	38544
MAR	40790	42750	44344	40090	42091	45089
APR	43796	42285	39622	39482	41358	43626
MAY	43565	43866	45085	43815	49224	49695
JUN	55374	53225	53173	47914	55353	55700
JUL	55470	56989	53573	53756	56752	58107
AUG	50135	54995	55355	56217	56797	61453
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	394845
% Change		2%	-2%	-1%	6%	-30%



Anchorage ARTCC (ZAN) Update

ZAN Traffic Count Oceanic

	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	7045
APR	5912	5684	6150	6330	6842	7182
MAY	6845	6207	5772	7096	7752	6775
JUN	6886	6199	5792	6433	6864	6437
JUL	6445	6984	6738	7166	7977	7309
AUG	7175	6161	6458	7179	6803	8978
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	57899
% Change		-5%	2%	6%	5%	-29%



Anchorage ARTCC (ZAN) Update

ZAN Traffic Count NOPAC*

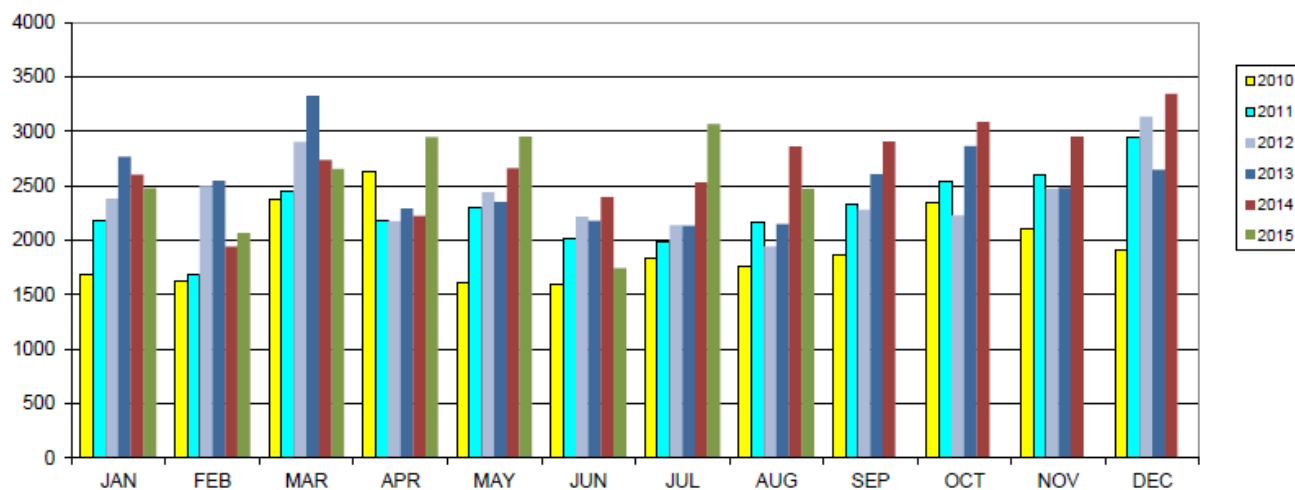
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
JAN	5122	5103	5047	4769	5188	5336	5354	4668	4167	6163
FEB	4609	5021	4381	4043	4765	4925	4428	3708	4288	5653
MAR	6022	7632	6365	4513	4682	4564	4888	4896	5547	5661
APR	6083	6923	6107	4109	4967	4908	5214	5284	5780	5688
MAY	5394	7224	5461	4563	6094	5304	4749	5938	6289	5435
JUN	6088	7440	4947	3958	6050	5225	4853	5489	5649	5533
JUL	6144	7540	5583	5279	5524	5947	5737	6020	6409	5732
AUG	6273	7584	5385	5524	6192	4892	5479	5991	5188	8978
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	48843
% Change		18%	-22%	-9%	14%	-8%	3%	3%	2%	-25%

* “NOPAC” equals “Oceanic” minus “Cross Polar”

Anchorage ARTCC (ZAN) Update

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	2655
APR	2630	2184	2176	2294	2223	2949
MAY	1614	2297	2442	2351	2664	2951
JUN	1598	2016	2215	2179	2395	1741
JUL	1841	1983	2136	2134	2529	3067
AUG	1761	2159	1942	2148	2861	2470
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	20381
% Increase		17%	5%	5%	6%	-37%



Anchorage ARTCC (ZAN) Update

ZAN Traffic Count Cross Polar Distribution

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

SALET effective 12/30/2014

BARIP effective 12/30/2014

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	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	1	26	1	2	0	53	8	170	4	56	7	124	5	6	52	197	27	27	23	11	131	148	91	214	1384
APR	0	27	0	2	2	43	18	162	3	129	9	95	5	16	39	170	44	19	7	12	69	224	65	334	1494
MAY	1	21	0	0	2	35	10	103	9	52	32	69	13	11	83	171	47	17	20	5	125	168	121	225	1340
JUN	0	0	1	6	2	83	1	136	4	56	11	38	5	10	38	104	17	12	10	9	71	112	73	105	904
JUL	2	22	2	7	16	126	39	157	7	87	18	62	15	16	87	229	36	26	18	12	123	127	123	220	1577
AUG																									0
SEP																									0
OCT																									0
NOV																									0
DEC																									0
TOTAL	11	151	4	19	24	416	90	978	38	491	94	613	43	59	390	1178	211	145	78	49	873	995	700	1406	9056



Anchorage ARTCC (ZAN) Update

ZAN Traffic Count - RFE Distribution

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
MAR	23	79	13	82	15	604	10	203	29	14	37	76	37	12	1	5	0	24	0	7	1271
APR	30	94	11	209	17	695	11	174	21	15	39	104	21	6	0	4	0	4	0	2	1457
MAY	20	144	4	128	27	677	4	243	19	24	72	142	46	13	0	17	0	18	0	13	1611
JUN	13	28	12	27	19	307	4	49	19	24	72	142	46	13	0	18	0	13	0	0	806
JUL	11	119	20	58	26	671	6	205	37	67	82	88	61	4	2	18	0	14	0	1	1490
AUG	10	80	14	29	25	603	8	69	35	43	98	124	59	13	3	17	0	31	0	1	1262
SEP																					0
OCT																					0
NOV																					0
DEC																					0
TOTAL	158	680	84	686	170	4524	52	1237	191	226	486	827	346	86	7	105	0	177	0	53	10095



Anchorage ARTCC (ZAN) Update

Anchorage ARTCC Contact Information



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Questions?

