Results, 1994 ARRL January VHF Sweepstakes

It was a hot contest for a cold weekend!-Steven, WA1EYF

By Billy Lunt, KR1R, and Warren C. Stankiewicz, NF1J Contest Manager Assistant Contest Manager

The popularity of the January VHF Sweepstakes is growing! There are many newcomers to Amateur Radio finding out about contesting, and that's exciting for everyone. The number of entries has risen 20% since the codeless Technician license was introduced in February 1991. This phenomenon has helped bring scores up dramatically, with two new overall records and 31 new Divisional records broken this year alone.

A big change in this contest has been the dramatic increase in the use of FM. Operators who tuned into the FM frequencies found a lot of people to work. This is also a great way to meet local hams and introduce them to what you're doing. As Leonard, WA6KLK, puts it, "This was the first time we used FM to make contacts in the contest. Boy, it sure helps, especially when working the locals, and it was a lot of fun." Don't overlook this mode when planning your strat-



Dan, WB2WHD, takes a break with his mascot in the refreshing -70° wind chill after working on his 1296-MHz antennas 70 feet up.

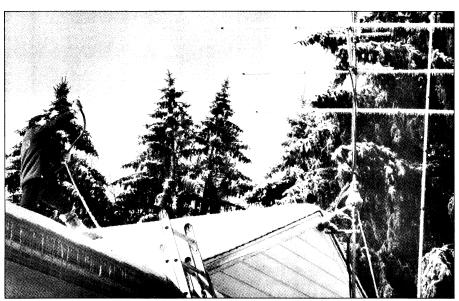
egy! There are a lot of hams in your area whose only experience with VHF operating has been with their FM hand-held transceivers. Most of these people aren't likely to try weak-signal operating without incentives. Besides, as a lot of people will tell you, it's fun!

The record-breaking winter that hit the East Coast raised havoc with the best-laid plans of many hams. It was an incentive to stay inside and operate, instead of venturing outdoors. Others found frozen rotators, iceloaded beams and miscellaneous equipment failures the order of the day. Some people are overcome by the weather and others overcome the weather! Rich, K3MQH, and crew set a new record in the Limited Multioperator category. He notes, "At our site we had four feet of snow, frostbite and multiple weather-related antenna failures, but we still had a good time."

Another hardy group were the amateurs who took to the road as rovers. ARRL HQ heard lots of praise, telling how rover activity helped many people post good scores. As Floyd, WQ5S, comments, "I know I won't be the only one to say thanks to the rovers. The contest would have been boring without them!" In areas where the ham population is smaller, roving can help pick up your score. Denise, AJØE (with help from Tom, KØTLM), overcame a broken radiator cap at the start of the contest, and activated 12 grids. Al, WB5LUA, and Bryan, N5QGH,

Top	10	See	rae

Single O		Single O QRP Por		Limited Multiop		Multiop	erator	Rover	
Call Sign	Score	Call Sign	Score	Call Sign	Score	Call Sign	Score	Call Sign	Score
WA2TEO 2	244,120	NM1K	25,758	K3MQH	213,142	N2WK	451,577	NØHJZ	278,698
KA1ZE 2	222,720	WA4ALJ	6,510	W3ZZ	176,256	W1NY	292,572	WA2MOP	167,076
WA8WZG 2	210,015	NOØY	6,477	N2CEI	155,067	WØRSJ	131,852	WB9AJZ	112,068
K1RZ 1	196,350	KB6MEG	5,772	N2DSY	103,269	AA5C	127,820	AJØE	108,578
WA3NUF 1	163,170	AA7QZ	4,650	WB2ELB	66,364	W3IP	89,208	KE9QT	105,336
WZ1V 1	160,016	WX3P	1,947	W1QK	65,254	WQ5S	72,288	WB5LUA	96,844
WØUC 1	124,950	K2DB	784	N8TLZ	59,432	N3EXA	56,848	N5QGH	92,110
N9MKC 1	106,080	KA2CKI	672	NØSGL	52,496	WBØGGM	54,808	NØLRJ	53,352
K1TR 1	104,790	KI7NC	504	KU8Y	41,814	WB2PSI	54,485	NC7K	52,700
N1DPM 1	104,325	N2DGI	204	KB2AYU	34,968	N3ITT	52,768	KA1TBS	48,472



We thought they only did this at the airports! Jack, N3DQZ, deices his antennas before the start of the contest.

QSO Leaders By Band

Q50 Leaders	by banu										
Single Operator											
50 MHz WA2TEO 239 NY1E 234 WZ1V 201 N9MKC 182 W3EP/1 166 W1WHL 156 K1TR 154 K1RZ 150 WØUC 149 KA1ZE 143 W2HRW 142 N3DQZ 142 WZ8D 136 K1EM 129 Multioperator	144 MHz VE3RKK 432 K1EIC 428 KA1ZE 425 WA2TEO 377 WB2QQQ 375 WS1C 356 N2NEP 331 WA8MZQ 322 N9MKC 310 WZ1V 295 N3FUJ 287 KD1DU 280 N2IQU 267 W8ULC 266	222 MHz KA12E 93 WA3AXV 93 WA2TEO 87 K1TR 85 WA3NUF 80 WB2YEH 76 WB3KRW 75 N3FUJ 72 WA8WZG 72 N1600 69 WB3JYO 68 K1RZ 65 N2SB 63 WZ1V 61 K3IUV 61	432 MHz KA1ZE 167 WA3AXV 155 WA2TEO 149 K1FO 133 K1RZ 129 WB3KRW 119 K1RR 117 WA8MKQG 108 WA8WZG 106 WA3NUF 104 WA2ONK 99 WB2YEH 93 WA2TIF 90 WAØBWE 90	902 MHz WA3AXV WB2YEH WA2TEO WB3JYO WA2ONK KA1ZE WA3NUF WB3DNI KB3IB N1DPM N2SB K1RZ WZ1V AK3O N3AOG	44 39 35 35 34 33 31 29 27 26 26 26	1296 MHz WA34VHF WA3AXV WA2TEO KA1ZE WA2LTM K1RZ W1RIL WA8WZG N1DPM N2IQU WA3NUF WB2YEH N2SB WZ1V WB3JYO WA2ONK	57 54 52 47 47 46 43 47 41 39 39 38 37 37	2304 MHz WA3AXV N2SB WA3NUF WA3NUF WB3JVO WB2YEH WB3DNI WB3JVF WB3DNI WA3JUF AK3O WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG WA8WZG	26 18 16 16 16 15 14 13 13 12 12 12	3456 MHz WA3AXV WB2YEH WA3NUF N2SB N1DPM WB3DNI N3AOG KA1ZE W1RIL WA2BAH KA2MCU WA2LTM KB3XG WA1MBA KB2HQ WB3JYO WB2OMY	13 10 9 7 7 6 5 5 5 5 5 5 5 4 4 4 4 4
50 MHz	144 MHz	222 MHz	432 MHz	902 MHz		1296 MHz		2304 MHz		3456 MHz	
W1NY 256 N2CEI -L 249 K3MQH -L 235 W3ZZ -L 217 N2WK 190 W2EIEY 182 W0RSJ 174 N2DSY -L 152 W3HZU -L 154 W3HZU -L 134 KU8Y -L 134 KU8Y -L 134 KA2PFL -L 118 W37KYM -L 111 KA1EKR -L 100 W32ELB -L 98 -L denotes Limited Mul	K3MQH -L 628 N2DSY -L 597 W3ZZ -L 523 N2CEI -L 476 N2WK 421 W1NY 374 W1QK -L 370 WØRSJ 302 W3IP 289 W3IP 289 W3IP 289 W3IP 289 W3IP 258 K12KM -L 258 K12AYU -L 248 N3ITT 241 WB4NFS -L 241 N3ADC -L 227	N2CEI -L 119 W1NY 115 N2WK 110 K3MQH -L 97 N2EZS -L 74 N2DSY -L 72 W3ZLS -L 72 W3ZLS -L 70 N3EXA 69 W0RSJ 66 W1QK -L 59 K3EOD 52 W3IP 49 W6TRW 49 N3ITT 45	W1NY 231 K3MQH -L 222 N2WK 179 W3ZZ -L 170 N2DSY -L 144 N2CEI -L 129 N2EZS -L 127 N3ITT 114 WB2ELB -L 103 W1QK -L 93 WB2IEY 92 KB2AYU -L 90 N3EXA 90 N3ADC -L 89 W3IP 83	N2WK W1NY WØRSJ AA5C WQ5S N3EXA W3IP K3EOD WB2PSI N3ITT WB3LNZ NR1L -L WB2IEY	46 33 21 20 16 13 12 10 9 6 4 1	W1NY N2WK WØRSJ KB2AYU -L W3IP AASC WQ5S N3ADC -L N3ITT WBØGGM N3EXA WB2PSI NØSGL -L K3EOD W6TRW	56 41 35 34 29 28 26 23 22 21 16 16 14 13	N2WK AA5C W1NY W0RSJ W07S W02SS W02PSI W3IP	25 20 11 11 10 7 1	N2WK AA5C WQ5S W1NY WØRSJ WB2IEY	15 12 9 5 2 1
Multiplier Lead	ders by Band										
Single Operator											
50 MHz NY1E 67 WØUC 62 WA2TEO 60 WZ8D 60 N9MKC 55 NØLL 52 WZ1V 50 K4TO 50 WA8ONR 48 NW3C 47 WA1YHO 43 KE8FD 43 W3EP/1 41 KA1ZE 40 VE9AA 39 Multioperator	144 MHz WA8MZQ 77 W8ULC 66 KE8FD 62 WRØG 60 AA8BC 59 VE3RKK 56 N9MKC 55 AA8BC 54 KB8BKS 54 KB8BKS 53 KB8NNE 51 NW3C 50 WA8WZG 49 K1RZ 46 K4TO 45	222 MHz WA8WZG 28 K1RZ 26 NW3C 26 KE8FD 26 KBØZQ 22 WA2TEO 21 WØUC 21 WØUC 21 WØUC 21 WØUC 21 WØUC 20 NØLL 20 NØLL 20 WA3NUF 19 N4HB 19 WZ8D 19 N9MKC 19 WAØBWE 19 KA1ZE 18 K9OYD/4 18	432 MHz WA8MZQ 49 WA8WZG 36 K4QIF 34 KE8FD 34 K1FO 33 W3C 32 K1RZ 31 WZ8D 31 WZ8D 27 W9MKC 27 W9MKC 27 W8ULC 27 N9MKC 26 MØUC 26 NØLL 26 KBBKS 25 KBØZQ 25	902 MHz WA8WZG K1RZ WA2TEO KA1ZE W1RIL N1DPM WZ1V WB2YEH W2HPF WA3NUF WA3AVV N2LIV WA2ONK WB3JYO KB3JB N3NGE N4HB	17 14 12 12 11 10 10 10 9 8 8 8 8 8 8	1296 MHz WA8WZG NØLL N2IQU K1RZ WA4VHF WØUC WAØBWE WAØBWE WAØBWE WA2TEO WZ1V N1DPM W1RIL WA3AXV WBØCLL WA2LTM WAØLTT KØFQA	18 17 17 16 15 13 13 13 13 13 12 12 12	2304 MHz WAØBWE KØFQA WA3AXV WA2LTM W2HPF KA12E N1DPM W1RIL WB3JYO N2SB N2ODK WA3NUF WA3JUF WA3JUF	10 9 8 6 4 4 4 4 4 4 4 4 4 4 4	3456 MHz N1DPM KA1ZE W1RIL WA2LTM WA3NUF WA3AXV WA2OMY K1CPJ WB1FKF NA1W WA1MBA WB2YEH WB3JYO N2SB W2HPF WB3DNI WA3JUF N3AOG	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
50 MHz	144 MHz	222 MHz	432 MHz	902 MHz		1296 MHz		2304 MHz		3456 MHz	
W1NY 55 WA7KYM -L 51 N2WK 48 N2CEI -L 44 W3ZZ -L 43 KU8Y -L 41 WB9CEP -L 38 K3MQH -L 37 N8TLZ -L 37 WB06GM 36 W3HZU -L 27 KA1EKR -L 26 W2DSY -L 26 WØRSJ 26 K1LL -L 26 -L denotes Limited Mu	NØSGL -L 64 N8TLZ -L 51 N2WK 50 K3MQH -L 48 W3ZZ -L 47 WB2ELB -L 38 N2CEI -L 37 KE2PM -L 36 W2OW -L 36 W2OW -L 36 WBØGGM 36 N2DSY -L 35 K0DAS -L 35 K0DAS -L 35 K0BAS -L 32 WB4NFS -L 32	N2WK 28 N2CEI -L 23 K3MQH -L 23 W3ZZ -L 23 W1NY 19 WBØGGM 17 WB2ELB -L 16 WØRSJ 16 W3IP 16 W3IP 16 WB2IEY 15 N3EXA 15 WB4NFS -L 15 AA9AO 14 W1QK -L 13	NØSGL -L 38 N2WK 35 K3MQH -L 34 W3ZZ -L 31 N8TLZ -L 28 W1NY 27 N2CEI -L 23 WBØGGM 22 KB2AYU -L 21 W3IP 21 WB2PSI 20 KØDAS -L 20 WØRSJ 17 KU8Y -L 17 A49AO 17	N2WK W1NY WØRSJ AA5C WQ5S W3IP WB2PSI N3EXA NR1L -L K3EOD WB2IEY N3ITT WB3LNZ	17 11 8 7 5 4 4 2 2 1 1 1	W1NY N2WK WBØGGM KB2AYU-L WØRSJ NØSGL-L W3IP AA5C WQ5S N3ADC-L WB2PSI N3ITT W3HZU-L AA9AO KA2PFL-L N3EXA W6TRW WDØGNK	13 13 11 11 11 9 8 8 7 5 5 5 4 4 4 4 4	N2WK AA5C WB2PSI WOSS W1NY WØRSJ W3IP	9 7 5 4 4 1	N2WK AA5C WQ5S W1NY WØRSJ WB2IEY	6 5 4 3 2 1

operated on 10 bands from 7 grids, helping scores in the North Texas area considerably. For the story of the top rover, Rich, NØHJZ, check the sidebar, "Confessions of a Prairie Rover." Thanks to all who ventured out into the elements in the name of VHF contesting and a good time.

In the northern latitudes, most contestants hope for aurora to enhance propagation. Unfortunately, there was none this Sweepstakes. For the first time in recent memory, we were blessed with good E-skip openings this year, with the best opening on Sunday night. If you took a pizza break at any of these times, you're probably sorry now! Alan, N4VC, remarks, "I found the E skip to be the best ever in a January contest!" Whether you caught the openings or not is probably a determining factor in your multiplier count.

Where was the band open? When was the band open? There was an opening on 6 meters Saturday night from the Midwest into Colorado and Wyoming, and NØSGL worked several West Coast stations. Sunday afternoon was good to people in the central and midwestern US, with contacts made from as far west as New Mexico to as far east as Ohio. The band was open briefly, at about 1345Z Sunday, from New England to Alabama and Wisconsin. Some hams reported working tropo on the higher bands during the day Sunday, notably in Kansas and Iowa. The real fireworks started at about 2300Z Sunday night, however, with a big opening from the Midwest to the East Coast for about an hour. That was another example of why the contest isn't over until it's over!

The Affiliated Club Competition remains popular in this contest, with 35 clubs participating. In the unlimited category, the Mt Airy VHF RC (better known to mere mortals as the Pack Rats) put forth a strong effort to win the gavel this year, after missing it last year. Could this be a return to its former dominance in club competition? Our congratulations to newcomers the North East Weak Signal Group, which won the Medium Category with a score just below that of the Pack Rats, and to the Bergen ARA, winners in the Local Category. We commend the outstanding job the Rochester, Minnesota, ARC, did in turning out for this year's contest. It takes a lot of work and enthusiasm to get members to operate in the contest and turn in logs. Having enough entries to qualify for the Unlimited Category is even more impressive.

This year marks the first listing of regional leaders for each class in this contest. As we've stated before, this is in response to those of you who wished to see more local recognition for your efforts. This certainly gives a better picture of what the competition is like outside the "corridor" on the East Coast. We're also now listing the scores by Division, so that you'll have a better idea of how you fared among stations in your area. Band winners, however, are still tallied by Sections.

We'd like to thank Contest Assistant Anne Jaworski for her help in preparing these results. The rules and dates for the 1995 January VHF Sweepstakes will be in December 1994 *QST*; start planning now!

SOAPBOX

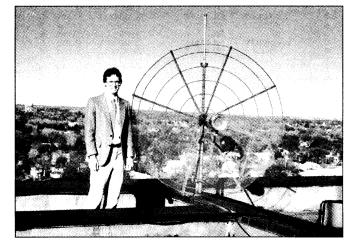
I got so interested and busy during the contest that I forgot to put wood in the stove. It was nice to be back in the groove after five years and I found the operating courtesy during the contest excellent! (K8ZES). Neither freezing cold, ice, snow, wind, nor old age will stop our trying to do well in the VHF SS (W2PAU). The conditions weren't great, but I had a lot of fun (WA2AEY). It appeared that there was reduced activity and fewer grids available this year on the four bands I worked, not just for me, but for many amateurs in the area. It's hard to assign a cause, although it would appear that the severe weather in the region kept some stations off the air because of damaged or iced-up antennas (WA3AQA). It's too bad the ice was a bigger factor than the atmospheric conditions! (KU3A). This was

Annatou olub oompot			
Unlimited Category			
Mt Airy VHF Radio Club	1,427,654	53	WA3NUF
Rochester (MN) ARC			NØCKK
	20,210	•••	
Medium Category			
North East Weak Signal Group	1 395 826	32	WA2TEO
Northern Lights Radio Society	970,569		WØUC
Northern Texas Microwave Socie			K9MK
Potomac Valley Radio Club	423,320		W6AXX
Rochester DX Association	156,462		W2HPF
Albany ARA	131,463		WA2BAH
Yankee Clipper Contest Club	130,190		K1TR
Schenectady ARA	104,842		KB2HQ
Delaware Valley VHF Society	104,505	6	N3FUJ
North Coast Contesters	95,100	3	NW3C
South Jersey Radio Assn	87,388	21	K2YY
Murgas ARC	76,702	4	WA3YON
Xerox ARC	67,714	27	N2KXS
Six Meter Club of Chicago	38,572	28	WA9FIH
Keystone VHF Club (York, PA)	34,374	3	KA3CCA
Brockport AR Klub	30,871		WB2VPH
Mad River Radio Club	29,423		K8MFO
Quaboag Valley ARC	27,020	11	K1ISW
Badger Contesters	18,796	11	K9VGE
Mount Tom ARA	14,847		N1JOH
Troy ARA	10,341		WM2Y
Ventura County ARC	6,459		N6QOA
Mobile Sixers RC	2,427		WA3JMM
Michigan City ARC	2,197		W9ESU
Goddard ARC	1,687		N2US
Eastern New Mexico ARC	1,244	4	KD4JDT
Local Category			
• •	106 014	2	N2FWI
Bergen ARA	106,014		KA2WKA
Central Jersey VHF Society	96,740 8.846		AD4DA
Talladega ARC North Shenandoah DX Assn	3,821		N4MM
Conejo Valley ARC	3,659		K1FJM/6
Rochester Repeater Radio Assn	2,140		N2MXG
West Park Radio Ops	2,140		WB8JBR
mean an nauto opa	655		TOUDDA

Affiliated Club Competition

my first contest since 1976. I found the contest active and I was surprised at the activity on 432 MHz! (WA4ALJ). This was the best VHF Sweepstakes for me, thanks to rovers! (K5MAT). It was a nice contest. The 6-meter Es was a big surprise and all the rovers kept things cooking! (AA9AO). I didn't have much time to operate this year (N4VC). I started with a vertical, but switched to my 40-meter beam when it proved to work better. It's amazing what you can work if you try (K5ZD). Tropo conditions were poor, even for January, but the E_s on 6 meters livened things up a bit. It was good to hear a lot of old friends and even better to meet a lot of new ones. I hope that trend continues! (KA2DRH). I found 6 meters as bad as I've ever heard it and I've been working it since 1964! (AD4DG). Despite the iced-up antennas on Sunday, this was by far the best January VHF SS I can remember (K8MD). I had a great time! I found a lot of rover activity. The weather was in the 60s and couldn't have been better for running up and down the towers (KDØDW). This was my first time par-ticipating in a VHF contest and I enjoyed it (VE6DLS). It was another fine contest. I got to renew old local acquaintances. Here in the Denver

area, we were fortunate to have nice, unseasonably warm weather. Those who operated from their homes had the misfortune of having to be indoors! (W6OAL). It was a "hot" contest for a "cold" weekend! (WA1EYF). My thanks to the rover stations that helped create a lot more activity, especially because band conditions were so poor (WD5EWD). Saturday was a lot of fun! Sunday was a disaster! (W1FEZ). This has been one of the best January SS in quite a while! The turnout was good (KBØEEB). Two hours before the start of the contest, we found antifreeze flowing out of the engine of the van. Luckily, a new radiator cap fixed the leak and the van was ready to roll for the contest. The weather in Kansas was wonderful. It was nice to have a 6-meter opening to 8-land from central Kansas! (AJØE). Ice storms prevented me from putting up two antennas. Next year I won't procrastinate! (K3MFI). Good old 6 meters was again the band to be on! Signals were good both days with openings to the west on the first day and to the east on Sunday (KB9FZQ). This was the worst propagation in years because of the effect of two cold fronts colliding above us. We slept two days on the ground without a tent! Someone offered one, but canceled the offer when we vere just about to start the DXpedition (COØFRC). This time, I only tore the muffler off my car once during the contest! The weather conditions for roving were excellent (NK5F). It was a tough contest and I had to fight for every contact (N1DGF). This was my first contest. Although my score isn't impressive, I accomplished my goal, which was to have fun! (AA3GM). I heard little activity, but the contest was fun. I guess the ice and snow kept the mountaintoppers from their usual perches! (N4BG). I noted improved activity this year, but line noise was a problem for me (W9JGV). The activity level in the upper Midwest was good. We had nice tropo conditions from Iowa to the southwest Saturday and Sunday evenings (WRØG). Why not try FM simplex? You'd be amazed at what you'll hear, especially when I'm mountaintopping looking for you! (KB7GYS). This was my first contest. I almost fell asleep at the station I was so tired, but I'm looking forward to June (KD4HJM). I raised the antennas to 40 feet and heard WA7KYM in DN71 for the first time ever! The activity in this contest gets better every year (K5RHR). I found conditions at the start to be poor, but they changed to good on Sunday. I made my first contact on 902 MHz. This band has promise! (W1AIM). I heard a number of operators complaining that their antennas and rotators were still frozen solid from the recent ice storms. I found it interesting to see the activity pick up during the second football playoff game (KA2IVS). Nothing could keep us from participating in the January VHF SS, even temperatures below zero and 39 inches of snow! I highly recommend the January VHF SS for new hams. It's a great place to get your "contesting" feet wet and it's a perfect remedy for the mid-wintertime blues (WB3IOU). I think the rain hindered the operating time, as there seemed to be very little participation (N6MI). We had a nice one-hour opening on 6 meters! (KB6IGC). Propagation was average to below average, but there was much more activity than last year. I was operating



John, NOØY, went up on the roof to operate QRP portable with this 6-foot dish.



NCJ "VHF Contesting!" Editor Larry, NØLL, seems happy after setting a new Division record in the ARRL Midwest Division.

from the backyard and it got cold sitting out there for hours (WD9IAB). Weather conditions were great, the temperature was 31°F, even though we were snowed in with 18 inches of snow! (KC4JGS). Surprise! 2-meter FM contesting is finally catching on, thanks to the article in the January QST on FM VHF contesting (N7GJD). Three hours into the contest my rotator failed, leaving the beams pointing southeast. I was still able to work the E_s off the back and side of the antenna. It was great to hear E, in January! (N9BJG). Making 33 contacts with EN48 is better than I ever did before in one sitting! (VE3JAR). Activity in the upper-Midwest area was tremendous, with a constant pileup from all my stops. I managed to activate 11 grids and had a blast! (NØHJR). I had a lot of fun on 2 meters. Thanks again for a great time (AJØK). Activity seemed good, but with noisy conditions, I was forced to a premature withdrawal from this contest (VE3KDH). My score isn't great, but I had fun and I'm looking forward to June when conditions are better and the weather is more conducive to going up on a mountaintop! (VE6KC). This is my first adventure as a rover. Our set-up and tear-down times were less than 20 minutes, except for the time we got the RV stuck in the sand in DM24! We wondered why there was such low activity, but then we remembered that the earthquake was just five days earlier (W6TKV). Despite mediocre (WA1LBK). I found activity on 432 MHz the best in years! (NI6L). I had a great time and a spectacular view. I operated at the base of the worldfamous Superstition Mountains, home of the Lost Dutchman's Gold Mine. I didn't find the gold, but enjoyed it all the same (KI7LP). This was the first 6 meters in the January SS. Two rovers really helped the score. I worked them 68 times! (NØLL). Saturday morning we dug the antennas out of the snow, they were frozen to the ground! We threw them on the tower and made five times more contacts than expected (K1LL). After 530 miles through seven grids, I'm not sure we could have covered more grids unless we gave up on microwave con-tacts or sleep! (WB5LUA). The mast was frozen for the entire contest with the antennas pointing east (WA1MBA). There doesn't seem to be much activity in this area, but it's getting better each contest! (KG5MZ). It seemed like everyone came out of the woodwork for the last three hours! (NØMMU). I needed my four-wheel drive to make it up to Over-look Mountain because of an ice storm! Coming down the mountain was, at best, a controlled slide (WA1MKE). Who says there's no activity on FM? (N1KNW). The opening to the northwest was great! I worked seven or eight new grids in the Great Lakes area. My equipment held up under the ice load and

performed flawlessly. I'd like to thank the stations that made this first full effort a success (N2TNN). 6 meters and NFL championship games just don't mix! (WB4NFS). This was my first contest. I crosscountry skied five miles to Butte Lookout, at 4600 feet elevation, which I had rented from the US Forest Service. Because of many problems, I didn't get on the air until six hours into the contest. I was pleased to discover the distances I could work (N7WNC). Running 3 W powered by C batteries didn't blow anyone's doors off, but I was pleased to get 25 QSOs here in Kansas (K17NG/Ø). I'd like to thank the rovers out there. They did a great job (KD40IG). There were short-duration openings to

Confessions of a Prairie Rover By Rich Westerberg, NØHJZ

I spent the weeks before the contest getting ready for my trip. What else could I do? The temperature outside was -30°F! The weather warmed up to 32°F for the contest, which was ideal.

I set up in EN15 to start the contest and found great signals into the Minneapolis area on all bands up through 2304 MHz! My antennas were mounted on a rack made of 2×2s on the roof of my car. I rotated antennas by turning my car. I could do some additional peaking with the rotator for 6 meters, 1296 MHz and 2304 MHz.

The activity in the upper Midwest was tremendous, with constant pileups from all my stops. I activated 11 grids and had a blast! The biggest thrills were working WAØBWE and KØFQA from 10 grids on 2304 MHz and working WD9EGE, more than 300 miles away, on 1296 MHz! The only disappointment was not being able to make many QSOs with other rovers over long distances. My final tally was 590 QSOs, 238 grids and 631 miles. I can't wait for the ARRL Spring Sprints and the June VHF QSO Party!

the south, southwest and west on Saturday evening, most of which I missed! But I was lucky enough to catch a good opening from Ohio to W1- and VE1land during the early evening on Sunday. It was interesting (N&LOT). This event showed a whole new world to one of our ops who had only experi-enced 2 meters with a hand-held FM rig until this point (N8KOL). Murphy struck in a big way! It was difficult to rotate the antennas because of a bent mast caused by high gusts of wind the night before the contest. Then the computer monitor started smoking! These things can slow down a guy's QSO rate (K2UOP/8). The 6-meter rig decided to smoke just as the contest started. Subsequent investigation revealed a short in the driver-biasing circuit. With no drive, results were poor (VE3OIL). Nice to hear so many people giving it a try with FM (WS1O) I enjoy roving and the challenges it presents (NQ2O). I'm not allowed to have antennas in my neighborhood, so I got by with a 6-meter X-beam, and small quads on 144 and 432 MHz sitting on my second-floor deck, driven by a barefoot transceiver (N3JPU). Once I started, I was hooked! 2 meters was average to slightly above. The two short E_s openings on 6 meters livened things up. I had to contend with meters livened things up. I had to contend with intermittent power-line noise throughout the con-test (WA9PWP). It was a great contest with good activity, but the QRN on 6 meters was terrible! (AA8Q). After record cold, the record thaw kept line noise up over S9 on Sunday, and football made the band seem even worse! (N80QZ). Local activ-tive relevance beth even works? ity and weather were both good (KE9QT). Having everyone over to the house to operate under the club call sign was a job in itself, but everyone had a great time. It was encouraging to see a significant in-crease in activity on the 222- and 440-MHz bands. The codeless license has helped (WA3RKB). Braving the remnants of a snow and ice storm, and record cold temperatures, we returned to Duck, North Carolina, to put FM26 on the air. Except for brief sporadic E on 6 meters, propagation was a big disappointment (W4PRO). It was too bad there were no 6-meter openings! Still, I did have a lot of fun as usual (WA6RAY). I've been away from Amateur Radio for years, too many, and just got back into it this past summer. I had forgotten how much enjoyment and pleasure can be had from so many differ-ent facets of this hobby! (KF9RW). I almost made my goal of 100 QSOs, which is unreal for a January contest in the sparsely populated area of west Texas! (WS5R). We made this contest short and sweet because it was freezing, even at our clubhouse. This January stuff is a test of winter endurance! (K1DS). 6 meters opened up briefly twice, and if you didn't go searching, you didn't get a piece of the action! (N2MSS). Lots of activity made up for flat condi-tions. FM contacts helped with my QSO total. It was a lot of fun and I can't wait for June! (N2NSY).

Regiona	al Leaders										
Northeast			Southeast F	Region	Central Re	gion	Midwest Re	egion	West Coas	t Region	
Atlantic Di	and, Hudson visions; Mari ec Sections)		(Delta, Roai Southeaste	noke and rn Divisions)		d Great Lakes Ontario Section)	Moutain an Divisions;	dwest, Rocky d West Gulf Manitoba and van Sections)	Southwest Alberta, Br	ern, Pacific ern Division itish Colum Territories tions)	ns; ibia,
WA2TEO KA1ZE K1RZ WA3NUF WZ1V	244,120 222,720 196,350 163,170 160,016	s s s s s	K2UOP/8 N4HB KC4YO K9OYD/4 KA2DRH	51,230 S 47,022 S 39,809 S 35,376 S 31,428 S	WA8WZG WØUC N9MKC KE8FD W8ULC	210,015 S 124,950 S 106,080 S 97,240 S 82,795 S	WAØBWE KBØZQ NØLL WAØNTT KØFQA	101,394 S 66,355 S 61,776 S 61,674 S 42,656 S	KC6WLC W6GGV K7ND WA6RAY KE7SW	17,524 14,036 13,250 12,285 11,382	S S S S S
NM1K WX3P K2DB KA2CKI N2DGI	25,758 1,947 784 672 204	00000	WA4ALJ KD4VGD	6,510 Q 3 Q	N8AXA N8ZAT	110 Q 78 Q	NOØY NØWCB NØVUR NØVUQ NØMGY	6,477 Q 108 Q 105 Q 100 Q 45 Q	KB6MEG AA7QZ KI7NC N7WNC N6TCZ	5,772 4,650 504 184 16	aaaaa
N2WK W1NY WØRSJ W3IP N3EXA	451,577 292,572 131,852 89,208 56,848	M M M M	W4PRO W2XL	16,320 M 5,719 M	AA9AO VE3NPB	20,336 M 1,577 M	AA5C WQ5S WBØGGM WDØGNK	127,820 M 72,288 M 54,808 M 6,864 M	W6TRW KC6TJV	14,610 2,280	M M
K3MQH W3ZZ N2CEI N2DSY WB2ELB	213,142 176,256 155,067 103,269 66,364	L L L L	N8TLZ WB4NFS AC4OP WA8DQR WB4VFT	59,432 L 26,112 L 10,740 L 6,528 L 3,325 L	KU8Y N2BJ WB9CEP WD9EXD N8KOL	41,814 L 21,533 L 15,600 L 14,229 L 13,050 L	NØSGL WA7KYM KØDAS KB5KYJ AJØK	52,496 L 18,105 L 13,230 L 9,955 L 6,579 L	WA7IQH KB7CRT KE6BGH W6AB	795 744 220 160	L L L
WA2MOP KA1TBS N2ULL (WD4RDZ N1NOE		R R R	AC4HG KC4YCK AD4DY	21,186 R 2,349 R 2,112 R	KE9QT K9JK WB9GKA N9DEX WA9LZM	105,336 R 10,048 R 2,232 R 980 R 56 R	NØHJZ AJØE WB5LUA N5QGH NØSUO	278,698 R 108,578 R 96,844 R 92,110 R 17,319 R	WB9AJZ NC7K KD7TS K6LMN NGØX	112,068 52,700 42,100 20,252 8,208	R R R R

Scores

Scores are listed by Divisions. Within each Division, single-operator scores are listed first, followed by QRP Portable, Multioperator and Limited Multioperator scores. From left to right, each line lists: call sign, score, QSOs, multipliers, class (S = Single Operator; M = Multioperator; L = Limited Multioperator; Q = QRP Portable; R = Rover), Section (or, if a rover, the number of grids activated) and band (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2.3 GHz, G = 3.4 GHz, H = 5.7 GHz, I = 10 GHz, J = 24 GHz, K = 47 GHz, L = Light). Among single-operator stations, the single-band Section winners are noted with band letter(s) in **bold** print indicating the band won. **Bold** also denotes a new Division record.

Atlantic	WB2LOU 1,888 59 32 S WPA AB	WB2EFL 100 20 5 S SNJ AB	N2SUL 6,931 166 29 R 4 ABCDE
	N3BBI 1,785 85 21 S EPA AB	N2KMM 100 25 4 S WNY B	KB3PW 1,854 74 18 R 2 ABCD
K1RZ 196,350 774 165 S MDC ABCD9E WA3NUF 163,170 658 126 S EPA ABCD9EFGI W2HPF 104,064 456 128 S WNY ABCD9EFG	KE2GZ 1,750 104 14 S WNY ABCD N3OPM 1,730 173 10 S MDC B	N3CJN 96 24 4 S MDC B K3BPP 90 25 3 S EPA BC	WA1MKE 1,495 55 23 R 4 ABD N3KTU 770 110 7 R 4 B
WB2YEH 101,200 572 88 S SNJ ABCD9EFG	K2QWQ 1,703 131 13 S SNJ B	N2VML 84 28 3 S WNY B	N2TWI 520 39 13 R 3 ABD
WB3JYO 93,060 522 90 S SNJ ABCD9EFG	N2DEQ 1,624 116 14 S SNJ B	N3AFT 78 13 6 S MDC B	N2UIO 351 38 9 R 2 BD
NW3C 93,000 470 155 S WPA ABCD	K2HPJ 1,508 116 13 S SNJ B	NJ2L (FN13) 72 3 3 S WNY FGI	KE3KY 270 69 3 R 3 BCD
WA3AXV 91,584 394 72 S EPA CD9EFGHI	N2UIO 1,472 145 8 S WNY BCD	N2PKE 69 18 3 S WNY BD	K2DB 234 34 6 R 2 BD
N2SB 83,895 461 85 S SNJ ABCD9EFGH	K3PHY 1,472 134 8 S EPA BC9	WA3NAO 68 17 4 S EPA AB	N2PEB 231 51 13 R 3 ABD
WB3DNI 72,884 453 76 S EPA ABCD9EFGHI	W2WGL 1,426 62 23 S WNY B	W9GC 68 14 4 S MDC BC	
WB3KRW 62,350 531 86 S EPA ABCD	AA2LQ 1,424 143 8 S WNY BD	N2TLW 66 22 2 S WNY BD	Central
KB3IB 51,714 357 78 S EPA ABCD9E	KB2PBR 1,424 178 8 S WNY B	N3IXR 65 13 5 S WPA B	WØUC 124,950 510 170 S WI ABCD9EFG
WA3JUF 51,612 365 66 S EPA ABCD9EFG	W3HK 1,392 73 16 S EPA ABCD	N3QVD 57 19 3 S MDC B	N9MKC 106,080 586 156 S IN ABCD
WA3YON 48,906 352 99 S EPA ABCD9E	N2TUK 1,336 140 8 S WNY BD	K3VEQ 56 14 4 S EPA AB	WB9FWC 23,925 267 55 S IL ABCD9E
N2IQU 46,575 380 81 S WNY BDE	KA1MX 1,320 134 8 S WNY BD	KE2OX 54 18 3 S WNY B	WA9FIH 13,959 238 47 S IL ABCDE
N3FUJ 44,191 578 59 S EPA ABCD	N2OML 1,300 83 13 S SNJ BD	N2LPP 51 17 3 S WNY B	W9JGV 13,719 246 51 S IL BD
AK3O 43,491 388 57 S EPA ABCD9EF	KB3YL 1,292 76 17 S EPA A	N2DJY 48 24 2 S SNJ B	K9LCR 11,928 163 56 S IL ABCD
WA2OMY 43,470 332 63 S EPA BCD9EFGH	K2VV 1,235 65 19 S WNY AB	N3AHP 48 10 4 S EPA ABC	WB8YFE 11,573 138 71 S IN ABCD
N2ODK 42,688 368 64 S WNY ABCD9EFIL	N2HYU 1,148 125 7 S WNY BD	N3GSA 44 22 2 S EPA B	N3AJX 10,696 151 56 S IN BD
W3KKN 41,764 394 53 S EPA ABCD9EF	W2EBF 1,144 143 8 S WNY AB	W3AJF 36 9 2 S EPA C	K9DZE 10,584 157 56 S IN ABD
W2HRW 36,180 440 67 S SNJ ABCD	N3JPU 1,121 48 19 S MDC ABD	N3MJQ 36 15 2 S WPA BD	N9NJS 10,206 149 63 S IL ABD
KA2WKA 35,948 347 76 S SNJ ABD9E	KF2SJ 1,118 86 13 S WNY B	KA2NBK 34 17 2 S WNY B	N9LMU 9,261 143 49 S WI BDE
WA2ONK 35,310 327 55 S SNJ BD9E	N2WOZ 1,096 110 8 S WNY BD	N2UDM 26 13 2 S SNJ A	K9MBX 9,212 153 49 S IL BD
N2LBE 32,412 277 73 S WNY ABCD9EF	N2TUE 1,064 38 28 S WNY AB	WA2CVJ 22 11 2 S SNJ B	WA9CCQ 8,384 216 32 S IL ABCD
K2YY 26,880 377 56 S SNJ ABCDE	N2JVQ 1,027 79 13 S SNJ B	WBØIWG 21 7 3 S WPA AB	KB9GLS 7,700 140 55 S IN AB
K2AN 26,676 309 52 S WNY ABCD9E	N2PEB 1,008 112 9 S WNY AB	N2LSZ 14 7 2 S WNY B	KB9FZQ 7,018 99 58 S IN ABD
KB3QM 26,103 263 77 S DE ABCDE	N2TOY 1,008 105 8 S WNY BD	K2ANC 7 7 1 S WNY B	WD9EGE 6,439 82 47 S WI ABDE
WB3FAA 25,636 290 68 S EPA ABCD9E	KS2T 1,005 65 15 S SNJ AC	N3EVV 6 3 1 S EPA C	WA9LWJ 6,432 106 48 S WI ABDE
N3DQZ 25,114 378 58 S EPA ABD	KB2BLS 980 196 5 S WNY B	AG2Y 5 5 1 S WNY B	K9VGE 6,228 173 36 S WI B
KB3PD 24,024 262 66 S DE BCDE	W3HMU 944 57 16 S EPA ABC	N2IGS 5 5 1 S WNY B	WA9PWP 5,764 131 44 S WI AB
NU2U 23,712 370 48 S WNY ABCD	KB2NFS 896 96 7 S WNY BD	KC3IE 5 5 1 S EPA B	KC9RT 5,700 150 38 S IN B
K8ZES 23,478 267 78 S WNY ABD	N2UNH 832 96 8 S SNJ BD	NS9E 3 3 1 S WNY B	KD9PW 5,310 87 45 S WI ABCD
K3IUV 22,126 307 46 S EPA ABCDE N3AOG 21,888 262 36 S EPA ABC9EFGHI	KA1CNF 814 45 11 S WNY ABCD WA2GFP 804 105 6 S EPA BC KA3CCA 792 62 12 S EPA BD	W3TDZ 3 3 1 S EPA B K3LVO 3 3 1 S WPA B	KA9QFK 5,005 143 35 S WI B KA9YZP 3,552 79 37 S IL BD N9SOR 3,336 89 24 S IL BCDE
WC2F 19,943 238 49 S SNJ ABCDEF K3MFI 18,003 312 51 S EPA ABCDE	W3KJM 779 41 19 S WPA AB KF2JC 770 103 7 S WNY BD	WX3P 1,947 142 11 Q WNY BCD K2DB 784 103 7 Q WNY BD	N9SOR 3,336 89 24 S IL BCDE WD8KHE 2,943 86 27 S IL BD K9GJU 2,839 132 17 S IL ABCD
W2EIF 17,250 214 46 S SNJ ABCD9EF WA3AQA 16,264 321 38 S EPA ABCD WB8ZAR 16,224 247 48 S EPA ABCDE	N2WWK 768 118 6 S WNY BD W3CXU 760 67 8 S EPA AC	KA2CKI 672 100 6 Q WNY BD	WB9IFM 2,800 110 25 S IL ABD WA9HCZ 2,652 81 26 S WI ABD
WB02AH 10,224 247 46 S EFA ADCUE W2PAU 16,185 346 39 S SNJ ABD WA3EHD 16,029 329 39 S EPA ABCD	WA3JMM 756 82 7 S EPA ABC W2FGY 747 83 9 S SNJ B	N2WK (+KA2RDO,KB2SE,KD2KQ,KE2WK, NJ2L,WA2TMC,KD5RO)	KF9B 2,475 75 33 S IL B KF9RW 2,375 125 19 S IL B
K3DMA 15,660 298 36 S EPA ABCDE	KA2KFO 711 79 9 S SNJ B	451,577 1055 217 M WNY ABCD9EFGHIJ	N9BJG 2,345 57 35 S LL ABCD
W3GXB 14,469 256 39 S EPA ABCDE	N2QNX 710 71 10 S SNJ AB	WØRSJ (+W1PV,WB2ONA,WA3YUE,WU3M)	KA9UZW 2,144 61 32 S WI ABCD
WA4VHF 14,280 120 35 S MDC DEF	N3BPJ 684 72 9 S EPA BD	131,852 688 119 M EPA ABCD9EFGIJL	W9ESU 2,100 63 28 S IN BD
N2NEP 14,233 331 43 S WNY B	WA3CKA 665 35 19 S EPA AB	W3IP (+K3YDX,KD3YU,N3CBJ,WA3TID,WG3R,	N9UDO 2,000 80 25 S WI B
W3IIT 13,545 303 35 S EPA ABCD	KA2J 660 55 12 S WNY A	WB6VGI)	W9YCV 1,943 61 29 S WI BD
N3NGE 13,200 157 50 S EPA ABCD9	W3AWA (WA3KFT,op)	89,208 548 108 M MDC ABCD9EFI	WA9KVS 1,914 65 29 S WI ABD
N2KXS 12,555 277 31 S WNY ABCDE	649 57 11 S EPA ABC	N3EXA (+KB3AOX,KY3T,N3GSA)	W9NHX 1,870 110 17 S IL AB
W2EA 12,218 247 41 S SNJ ABD	KA3MGB 636 46 12 S EPA ABC	56,848 478 76 M EPA ABCD9E	W9VA 1,804 82 22 S IL AB
WB2VPH 11,795 245 35 S WNY ABCD	KB2KJV 630 46 10 S WNY ABCD	WB2PSI (AA2JN,KE2CP,WA2s VEZ,ZKD,WB2s BYP,	WB9TAE 1,782 54 33 S WI AB
KT2B 11,594 165 34 S EPA ABCD9F	N2MYM 620 62 10 S WNY B	QCJ,ops)	NY1V 1,755 65 27 S IN B
AF2K 11,556 340 27 S WNY ABCD	N3JES 616 66 7 S EPA BCD	54,485 387 85 M WNY ABCD9EFI	W9AVB 1,638 103 13 S IL ABCD
KB3ZS 11,484 260 33 S EPA BDE	N2PSH 600 120 5 S WNY B	N3ITT (+K3FMQ,N3s OZO,PER,WQ3X)	KB9II 1,554 66 21 S IL ABC
NM2J 10,440 206 36 S WNY ABCD9L	W2ORA 570 92 6 S SNJ BD	52,768 521 68 M EPA ABCD9E	AK9Y 1,460 125 10 S IL BD
KB3XG 10,224 126 24 S EPA CD9EFGH	KE2MK 570 114 5 S WNY B	K3EOD (+WA3IAC)	WF9X 1,352 40 26 S WI BCD
WA2ZNC 10,220 220 35 S WNY ABCD	WA3CSP 532 38 14 S EPA A	25,200 399 42 M EPA ABCD9E	WA9QYX 1,309 72 17 S IL ABD
N2SCJ 9,724 309 26 S SNJ ABD	N3OGF 518 37 14 S EPA B	WB3LNZ (+KB3HE)	WA1UJU 1,298 59 22 S WI B
N2HJD 9,154 259 23 S WNY ABCDIL	WW2J 516 129 4 S WNY B	17,865 300 45 M EPA ABCD9	WA9CJZ 1,290 113 10 S IL ABD
N2BYE 8,700 245 30 S SNJ BD	WA2YSW 515 96 5 S SNJ BD		WD9BGA 1,276 46 22 S WI ABD
KA2ENE 7,524 279 22 S WNY ABD K2OEQ 7,128 191 33 S WNY ABD	KB2CHY 496 57 8 S WNY ABD N2BKS 496 31 16 S WNY B	K3MQH (K3s IXD,LYW,KF3P,N3s SYB,GKP, ND3A,W3EKT,ops)	KD9TH 1,180 59 20 S WI B NA9N 1,044 58 18 S IN B W9XT 1,029 49 21 S WI B
AA2IO 7,004 165 34 S WNY ABCD9 KE2T 6,925 209 25 S WNY ABCD	N3IPM 492 56 6 S EPA BCD KB2HRH 488 122 4 S WNY B W3HDH 448 28 16 S WPA A	213,142 1182 142 L EPA ABCD W3ZZ (+KH2F,K3RA,N3HIH,WA6GVC,WD8ISK)	W9XT 1,029 49 21 S WI B K9ZWV 1,026 85 9 S IL ABCD K9ZWU 1,026 85 9 S IL ABCD
KA3SDP 6,594 157 42 S WPA B WY2Z 6,510 217 21 S WNY ABCDE	W3HDH 448 28 16 S WPA A W2OMV 444 111 4 S WNY B N2WXX 426 48 6 S WNY ABCD	176,256 982 144 L MDC ABCD WB2ELB (+N2VRJ)	WD9IAB 980 41 20 S WI BD WD9HOJ 936 78 12 S IL B
NW2M 6,119 211 29 S MDC B K3GNC 5,825 217 25 S EPA BC	K20ID 396 96 4 S WNY BC K20W 380 64 5 S WNY BC	66,364 533 94 L WNY ABCD KB2AYU (+WA2TOP) 34,968 372 62 L SNJ BDE	WB9MXX 900 50 18 S IL AB NØAKC 860 42 20 S WI ABC
W3GAD 5,760 192 30 S EPA AB	N2XDO 380 95 4 S WNY B	W3HZU (AA3s BJ,HB,K3s GDI,IIB,KA3LJL,	W9NSP 712 75 8 S IL BC
K3EBZ 5,566 167 22 S EPA BCDE	N3OZO 370 33 10 S EPA BD	KC3PS,KE3CW,N3s JDQ,KDS,LSN,LZS,NBT,	N9TUP 594 84 6 S IL BD
KC2TA 5,539 191 29 S SNJ AB K3KEL 5,425 155 35 S EPA B N3LKI 5,346 135 33 S EPA ABD	WA2UBD 365 61 5 S WNY BD N3DZK 350 26 10 S EPA BCD	QL,RBP,RBT,RMI,WA3USG,WB3CQN,WS3G,ops) 33,232 401 67 L EPA ABDE	WA9OKB 560 35 16 S WI AB WA9AXA 525 67 7 S IL BC
N3LKI 5,346 135 33 S EPA ABD KU3A 5,103 152 27 S EPA ABCD WA3YUE 4,853 121 23 S EPA ABCD9E	N2US 350 50 7 S MDC B WJ2W 332 83 4 S WNY B	N2EZS (+KB2UW,WR2T) 30,668 496 44 L WNY ABCD	N9LTJ 481 37 13 S WI B N9TUQ 445 74 5 S IL BD
WA2BPQ 4,849 280 13 S WNY BCD	N2UEG 325 58 5 S WNY BD	N2HLT (+KB2DMK)	WA9GQK 415 83 5 S IL B
K2JIQ 4,836 156 31 S WNY B	KB2SE 312 78 4 S WNY B	27,903 325 71 L WNY ABCD	N9TVP 320 55 5 S IL BD
K3ESJ 4,800 156 24 S EPA ABCD	WB5NLJ 306 31 9 S WPA BC	N3ADC (+KA2RRK,AA3AI,KA3ZXA,N3s LBT,NFB,KØLSE)	K9YHB 315 31 7 S IL ABCD
K3CNH 4,620 132 35 S DE AB	W3FG 304 38 8 S MDC AB	27,777 424 47 L EPA ABDE	W9ZZU 272 68 4 S IL B
WA3BZT 4,590 170 27 S DE B	N3OWE 297 33 9 S EPA B	KE2PM (+KB2JAG, N2s PBU,PBX,QYN,QYP,VBN,WKT)	K9USW 252 63 4 S IL B
W6AXX 4,525 181 25 S MDC B	NJ2L (FN03) 288 9 4 S WNY FGI	23,943 321 69 L WNY ABCD	NØBSH 220 19 10 S WI BD
KA3JWJ 4,428 123 36 S WPA B	WB2REM 276 23 6 S SNJ D	KA2PFL (+KD2I,N2s FUU,NFH)	K9IOG 216 54 4 S IL B
KA3KHZ 4,160 160 26 S DE B	N2RUA 272 59 4 S SNJ BD	19,552 300 52 L SNJ ABDE	KA9MGS 195 38 5 S IL BD
N3KSE 4,082 141 26 S DE ABD	KB2PWK/N 272 34 4 S WNY C	W2OW (AA2EQ,N2s NFS,SOY,QEW,NK2H,	WA9ZBC 192 48 4 S IL B
WB2VLA 4,000 122 25 S SNJ ABCD	W2HG 268 67 4 S WNY B	WA2VCS,WE2K,WB3IOU,ops)	K9SM 180 14 10 S IL ABD
N2UQE 3,936 184 16 S WNY BCDI W3HFY 3,780 105 20 S EPA ABCD9E	WB2MKN 265 53 5 S WNY B WA2ZZX 264 64 4 S SNJ BD	14,906 257 58 L WNY AB NV3Z (+N3AUQ,NA3T)	K9ENZ 165 33 5 S IL AB W9PMJ 164 41 4 S IL B W9CEJ 164 41 4 S IL B
N2HXJ 3,510 208 13 S WNY BCD	N2TUF 260 20 13 S WNY AB	9,922 210 41 L MDC BD	N9ROX 160 14 10 S WI ABD
K2SA 3,107 173 13 S WNY BCD	W3LMC 256 32 8 S MDC B	N3QYA (+W3MR)	N9ROSP 156 39 4 S IL B
WB2JFL 2,880 144 20 S WNY B KE2DI 2,860 201 13 S WNY ABC	AA3GM 253 20 11 S WPA ABD W2IFR 250 47 5 S SNJ BD N2TGM 230 46 5 S SNJ B	3,666 137 26 L MDC ABD N2SFY (+N3MQP)	WC9D 144 48 3 S IL B N9RPT 144 18 8 S WI B
WB4U 2,808 107 24 S MDC BCD WA2ROW 2,736 153 16 S WNY ABD	N2TGM 230 46 5 S SNJ B KE2LU 204 68 3 S WNY B N2SZE 204 68 3 S WNY B	2,478 141 14 L EPA BD WB3JSU (+NA2O) 1,000 38 20 L WNY BC	N9MCQ 140 35 4 S IL B W9RZW 104 13 8 S WI B
W3FUH 2,720 85 32 S WPA B	KB2NU 200 50 4 S WNY B	WA3SFJ (KK3D,N3S NRC,OBQ,PDF,PME,WO3F,ops)	W9REC 102 34 3 S IL B
WA3IAC 2,716 112 14 S EPA BCD9	N2TWI 195 65 3 S WNY B	708 59 12 L MDC B	K9DKI 99 33 3 S IL B
KB2HVL 2,565 119 15 S WNY ABCD N2RYU 2,522 97 26 S WNY A N2H 2,527 169 11 S WNY A	WA3TUL 185 23 5 S EPA BC N2VPN 183 61 3 S SNJ B	WA3NAN (KB3AZF,N3s KWU,QIQ,ops) 414 46 9 L MDC AB	NY9B 91 12 7 S IN ABD W9YB (KC9RG,op)
N2IJI 2,387 168 11 S WNY BCD WB8YGG 2,355 157 15 S WNY B WA2AEY 2,340 90 26 S WNY B	W3UQC 174 29 6 S EPA B WR3P 170 28 5 S EPA BC	N3IXR (+N3BGV) 126 14 9 L WPA B	88 11 8 S IN B K9OSH 81 9 9 S WI AB
WA2AEY 2,340 90 26 S WNY B N3DRX 2,300 108 20 S MDC BD N2IZW 2,214 177 9 S WNY BCD	WK2N 144 48 3 S WNY B N2LPQ 144 48 3 S WNY B	WA2MOP (K9PW,NS9E,ops)	KC9RH 72 12 6 S WI B NEØP/9 70 10 7 S IL AB
N2NNB 2,145 143 15 S SNJ B	WR3L 140 20 7 S MDC B	167,076 430 163 R 8 ABCD9EFGH	K9DQU 16 8 2 S IL B
WM3D 2,120 208 8 S WNY BD	N3HSH 120 15 8 S EPA A	N2ULL (WD4RDZ,op)	WA9GOB 12 12 1 S IL B
WA2LCC 2,070 138 15 S WNY B	WI3S 114 38 3 S EPA B	29,392 180 88 R 8 ABCD9EFG	W9DYX 6 6 1 S IL B
W2UAD 2,040 85 24 S WNY B	WA2DUE 108 54 2 S SNJ B	NQ2O 13,553 85 67 R 8 ABCD9E	WB9YAH 6 6 1 S IN B
WA2YTM 2,037 85 21 S WNY ABD	N3KSB 105 15 7 S WPA AB	WD5BRP 10,038 201 42 R 3 ABCD	AA9AO (+KA9BXG)
N2MXG 2,004 129 12 S WNY ABD	KV2X 102 34 3 S WNY B	N2HKD (+K1JUL)	
K3MD 1,998 74 27 S WPA A	K3UA 102 17 6 S WPA A	9,450 233 27 R 2 BCD	20,336 180 82 M WI ABCDE

N2BJ (+N2CIX)	33 275 61	LIL	ABCD
21,5 WB9CEP (+N9s 15,60	KZJ,LRR,O	BT,W9SU)	ABCD
WD9EXD (+W9 14,2	RVG)		ABCD
WK9O (+KA9KL			B
KE9QT 105,3	36 367 209	R 8	ABCDE
K9JK 10,04 WB9GKA 2,23			ABCD ABCD
N9DEX 9	80 98 10 56 8 7		В В
Dakota			-
WAØBWE101,3 KBØZQ 66,3	94 432 131 55 365 115		ABCD9EFI ABCDEFI
WAØNTT 61,6 KØFQA 42,6	74 366 114	S MN	ABCDE
KBØIKP 20,50 KØGJX 14,79		S MN	ABCD
KAØRYT 14,10	00 207 50	S MN	BD
WBØMLL 12,2 WA2HFI/Ø 8,4	50 135 50	S MN	ABD ABC
KBØNR 6,5 KØJO 4,1	08 97 26	S MN	BDE ABCDE
NØCKK 4,0 WØAUS 3,8	40 104 24	S MN	ABD ABDEI
WDØCJM 3,6 WBØKEK 2,7		S MN	BDE ABD
KGØGX 2,5 NØBSG 2,3			ABD9E BD
NØPOY 2,2 WBØLJC 2,0			B ABDE
NØUZA 1,7	17 85 17 60 68 12		ABD ABD
	80 78 10 28 56 13	S MN	AB B
WBØHHM 6	12 24 18 02 29 14	S SD	ABCD BDE
NØPGO 4	16 52 8 84 39 8	S MN	B BD
NØMGY 3	60 50 6	S MN	BD
NØEJP 24	60 60 6 46 37 6	S MN	B BD
NØPDD 1	96 49 4 65 33 5	S MN	B
NØVUR 1	48 37 4 36 34 4	S MN	B B
	29 43 3 23 36 3		B BD
	20 30 4 16 29 4		B B
	15 23 5 12 14 8	S MN	B B
WB5MJK 1	12 28 4 00 20 5	S MN	B
KBØIXC	96 24 4 92 23 4	S MN	B
N9CIQ I	84 8 7 84 19 4	S MN	ABD BD
WBØLSG	72 18 4 72 16 4	S MN	B BD
KØMHC	66 22 3	S MN	BBB
NØZDY	56 14 4 48 16 3	S MN	В
KBØS :	46 23 2	S MN	B
KØEN 3	34 17 2 33 11 3	S MN	B
KBØYI 2	30 15 2 26 13 2	S MN	B B
WDØM ·	22 11 2 18 9 2	S MN	8 8
NØHBK	16 4 4 15 5 3	S MN	8 8
	12 6 2 10 5 2		B B
	10 5 2 10 5 2		B B
WEØK WØCJ	3 3 1 2 2 1	S MIN S MIN	8 8
NØOWB NØXQZ	2 2 1 1 1	S MN S MN	8 8
NØVVA NØOWC	1 1 1	S MN S MN	B
WØPKA	i i i	S MN	В
	08 27 4 05 21 5	Q MN Q MN	B B
NØVUQ 10	00 20 5 45 14 3	Q MN	B BD
	16 8 2 6 3 2	Q MN	B
WBØGGM (WA			0
54,80	08 291 124	M MN	ABCDE
WDØGNK (KØT: 6,80			ABCDE
AJØK (+NØROX			
6,57 K1LL (+WB7Q,V	VVØH)		ABC
3,99 NØTCN (+NØTC	:H)		AB
3,68 NØHZO (+KCØP	80 111 32	LMN	ABD
	18 9 2	L MN	В
NØHJZ 278,69 NØSUO 17,31	98 590 238 19 198 69		ABCDEFI ABD
WA2VOI 15,80 KCØP 7,35	08 169 64	R 4	ABCD B
NØMSB 64 NJØC 36	48 56 9 59 41 9	R 2 R 3	BD B
WDØHHH 17	75 25 7	R 3 R 3	B BD
	72 4 4	R 2	BI

114

057-

Deita KC4YO	39,809	247	191	s	TN	ABCD9E
WB4JGG	18,642	194	78	s	ΤN	ABD
WB4VYH AA4H	12,462 10,812	160 125	62 68	s s	TN TN	ABDE ABCD
N4VC KC4QWZ	6,206 5,586	101 98	58 49	S S	TN TN	ABD ABD
WB5KYK	4,329	93	37	s	MS	ABC
N4OYS AD4F	3,744 1,176	60 56	39 21	S S	TN TN	ABDE AB
W5FYZ WA4TKR	990 608	45 32	22 19	S S	LA TN	B A
KG5MZ	504	26	18	s	MS	ABD
N4XXJ	20	10	2	s	TN	В
KD4VGD	3	3	1	Q	TN	В
N5MYH (+	KB5SUI)					
W5GAD (55 B5GA	26 ,N5U	L IXT,	LA WA9TI	BD MC,
WB9VTN	ops), 374	33	11	L	LA	ABD
				-	2.	
AC4HG (+	21,168	175	84	R	2	ABCD9E
Great La	ikes					
WA8WZG	210,015	610	195	s	он	ABCD9EF
KE8FD	97,240	437	170	s	он	ABCDE
W8ULC WZ8D	82,795 76,560	463 372		S S	он ОН	ABCD ABCDE
WA8MZQ K8MD	67,788 43,120	430 295		S S	OH Mi	BD ABCD9E
KB8NNE	40,339	304	107	s	MI	ABCD
KØBI K4TO	37,698 36,652	302 261	103	s s	MI KY	ABDE ABD
AA8Q K8MFO	29,388 25,009	307 250	93 89	S S	он Он	ABD ABD
N8GHU	24,064	197	94	s	OH	ABCD
WA8QNR KB8BKS	23,316 19,276	268 192	87 79	s s	он ОН	AB BD
WB8TGY WB8K	19,099 16,055	181 187	71 65	S S	MI OH	ABD EFG ABD
WZ8T	15,825	178	75	s	MI	ABD
AA8BC N8LOT	15,045 14,508	255 201	59 62	S S	он он	B ABD
N8FUJ KB8O	7,728 7,216	130 176	48 41	S S	MI MI	ABCD B
KB8EAP	6,549	177	37	s	MI	в
N8PVT N8CCC	5,865 4,896	101 86	51 48	s s	MI OH	ABD ABCD
K8WW NI8T	4,350 4,320	150 120	29 36	s s	он Он	B B
KC4JGS	4,251	95	39	s	KY	ABD
NZ8O N8VEA	4,128 3,500	129 106	32 28	S S	он Он	B ABD
N8YWY KN4OL	3,264 2,910	85 97	32 30	S S	он Кү	BD B
K2YAZ	2,560	80 74	32	s	Mi	В
WA8RCN KD4SZJ	2,072 1,932	69	28 28	S S	он Кү	AB AB
KB8KVJ N8RPA	1,775 1,380	71 69	25 20	s s	он ОН	A B
W1FEZ N8RAH	1,260	63	20	s	ОН	в
N8JMK	1,160 1,159	58 33	20 19	S S	он ОН	B AD
N8IVW N8LGP	1,080 988	60 52	18 19	S S	MI OH	B
KA8NRC WB8JBR	840 803	49 71	15 11	s s	OH OH	ABCD BD
NBOQZ	720	40	18	s	ОН	В
N8QYW WA4GPM	561 495	33 45	17 11	S S	MI OH	B B
WD8MMA N8SSH	450 444	30 37	15 12	s s	OH OH	8 8
NBQXC	403	28	13	s	он	ABC
N8LMT N8GRW	378 345	27 23	14 15	S S	Mi OH	8 8
K8MR KB8QDS	286 135	22 27	13 5	S S	OH MI	AB B
W8IDM KB8QBM	28 16	14	2	s s	он	B
W8XT	15	5	3	s	OH	Ā
KE8XK WB8ORV	10 9	5 9	2	s s	он он	B
AF8C	5	5	1	s	он	В
N8AXA	110	11	10	Q	он	A
N8ZAT	78	13	6	Q	он	AB
KU8Y (+K.	A8TBW,F 41,814	(Z8E,I 364		(IM, L	N9TO) MI	() ABCD
N8KOL (+	N8s ICH,	WHY))			
N8VKE (+	13,050 N8UUR)	190	58	L	он	ABCD
NASSE (K	5,977 BBs ID O	127 RM N	43	L H W		ABD WB8QVC,ops)
	4,142	109	38	L	он	AB
N8WAC (+	-N8s SPE 3,498	3,WGE 106	3,WV 33	۷М, L	XSF,W OH	B8s MZZ,VJD) AB
N5ACP (+	NET) 416	30	13	L	он	ABC
N8NJE (+1	N8MMF)					
Hudson	154	14	11	L	MI	AB
N2LIV	59,598	433	86	s	NLI	ABCD9E
WA2BAH WB2VVV	57,834 33,792	413 345	81 66	s s	ENY NNJ	ABCD9EFGHIJ ABCD9E
W3HHN	30,095	329	65	s	ENY	ABCDEI
KB2HQ WB2WHD		294 290	49 48	s s	ENY ENY	ABCD9EFGHIJ ABCDE
WA2VYA WB2QOQ	13,482 12,750	291 375	42 34	S S	NNJ NNJ	ABD B
N2TNN	10,526	235	38	s	NNJ	ABD
KB2KIR WA2LTM	8,760 7,476	210 68	40 21	s	NNJ NNJ	ABCD EFG
WA2EIO	7,018	165	29	s	NLI	BDE

WA2KPD	6,380	183	29	s	ENY	ABCD	N2D
WB2YLR WB2WIH	6,136 6,068	193 116	26 37	s s	ENY NNJ	BD BCD	ovi
KC2QF WB2VVQ	5,797	157	31	s	ENY	ABD	K2AE
KA2IVS	5,550 4,620	160 210	30 22	s s	ENY NNJ	ABCD B	W2/
WB2MRX WM2Y	4,524 3,870	156 156	29 18	s s	ENY ENY	AB ABCD	KF2N
N2MSS	3,510	111	26	s	ENY	ABCD	WB2
N2GZD KA2MCU	3,473 3,367	151 66	23 13	S S	NLI ENY	B ABCD9E FG HIJ	K5NA
N2OGU N2KFC	3,350 3,234	130 147	25 22	s s	NNJ NLI	ABCD B	KG2H
NN2T	2,625	125	21	s	NNJ	в	
W2KHQ N2NSY	2,354 2,295	78 135	22 17	S S	ENY NLI	BDE B	N2O
N2QHS N2LDU	2,090 2,044	96 146	19 14	s s	NLI NNJ	ABD B	WB2
KA2VNP	1,572	106	12	s	ENY	ABD	KB2C
WA2IWW N2LMU	1,490 1,485	127 124	10 11	s s	ENY NNJ	BD BD	KU20
K2RI WA2WQZ	1,452 1,391	94 99	11 13	s s	ENY ENY	BCD ABC	K2C1
WA2UDT	1,320	57	20	s	NNJ	ABCD	K201
NY2U N2UAH	1,304 1,278	125 71	8 18	s s	ENY NNJ	BD A	N1N0
KB2JZJ KB2HPW	1,133 1,056	103 68	11 11	s s	ENY ENY	B ABCD	KB2N
N2AQZ	1,001	66	11	s	ENY	ABCD	W2J\
N2PEQ KB2KFV	896 864	128 91	7 8	S S	ENY ENY	AB ABCD	WB2 N2UI
N2OJY K2ANL	854 750	54 50	14 15	S	ENY ENY	ABD	WB2
WA2WYR	676	52	13	s	NNJ	8	N2SC N2W
WG2I KE2XB	588 580	49 55	12 10	S S	NLI ENY	B ABCD	Mid
N2TTA	530	84	5	s	ENY	BD	NØLL
KB2HPX N2QIP	516 512	73 51	6 8	s s	ENY ENY	BC ABD	WBØ WØE
WA2YBM WA2UYL	448 429	62 33	7 13	S S	ENY ENY	BD	WRØ WBØ
KB2QDA	414	58	6	s	ENY	AB BD	NØO
N2WSW N2UIA	375 360	15 40	5 8	S S	ENY NLI	B9EFG BD	KFØF NØM
N2SMU	330	55	6	s	NNJ	В	KWØ
KB2KDY WB2LXC	292 290	73 51	4 5	s s	ENY ENY	B BC	WBØ NØIG
K2PK KB2JZI	279 260	31 50	9 5	s s	ENY ENY	AB BD	WØR KDØI
WD2AJS	236	59	4	s	ENY	В	WØB
W2ARQ KA2EXB	220 216	32 24	5 9	S S	ENY ENY	ABCD AB	KRØI WØY
KB2KTZ	210	22	7	SS	ENY	ABCD	WDØ AAØ[
KA2TJZ WB2FOB	210 195	26 31	5 5	s	ENY ENY	BCD BD	WØJI
KA2AUQ WB2AMU	190 189	38 27	5 7	s s	ENY NLI	B A	NØR. WØR
N2QFH	180	20	6	s	ENY	ABCD	NØYY
N2LOD WB2ZCM	180 165	45 55	4 3	s s	ENY ENY	8 8	KØJC KDØI
WB2CLN WB2EAR	162 152	18 33	9 4	s s	ENY ENY	AB BD	KØG(WYØ
KB2DJD	135	25	5	s	ENY	ABCD	NØSI
N2COU KA2JKA	133 132	19 32	7 4	s s	ENY ENY	AB BD	KMØ
KF2PJ	132 126	25	4	S S	ENY	ABD	KI7N NØYI
WA2ILD N2JJE	124	13 31	6 4	s	ENY ENY	AB	AB40
WB2FQL N2FWI	123 120	41 12	3 8	S S	ENY NNJ	B ABCD	NOØ
WV2C	114	19	6	s	NLI	В	
KA2MLX N2LUD	108 100	25 18	3 4	S S	ENY ENY	BCD BD	NØS
KF2AB N2KJM	88 88	20 22	4 4	S S	ENY NNJ	BD B	KØD/
WA2ASQ	84	21	4	s	NNJ	В	NØY
N2XGB AA2CW	75 60	24 19	3 3	s s	ENY ENY	BD BD	KBØE
N2XKF WB2KDD	58 50	29 22	2 2	s s	ENY ENY	B BD	NØXI
N2RPX	50	7	5	s	ENY	BD	
WB2VJC KA2JHX	40 39	20 13	2 3	s s	ENY ENY	B B	AJØE
N2WJG	39	12	3	s	ENY	BD	WDØ
N2LBT KF2LW	38 36	17 13	2 2	S S	ENY ENY	BC BD	New
N2LBZ N2WYN	36 33	12 11	3 3	s s	ENY ENY	B	WA2
KE2JJ	26	13	2	s	ENY	B	KA1Z WZ1
N2FNH N2QII	24 22	6 9	3 2	S S	ENY ENY	BCD BD	K1TF
N2AIF AB2N	20 20	10 10	2	s s	ENY NNJ	B B	N1DF W1R
KE2VF	18	18	1	s	ENY	В	WA1
WB2ECL W2XM	14 10	7 10	2	s s	ENY ENY	B	W3E
N2RPU KB2CWX	7	7	1	s	ENY	В	KD10 W1A
KE2XF	6	3	2	S	ENY ENY	AB B	N1BV
KA2HTU N2UQB	6 5	6 5	1	s s	ENY ENY	B 8	WB1
N2PZP	5	5	1	s	ENY	в	K1El WA2
KA2MLW N2XGK	4	2 2	1	S S	ENY ENY	C B	NA1V
N2EKU WB2FLX	2 2	2 1	1	S S	ENY ENY	B B	K1IS AA1A
KB2NRW/N	1 2	1	1	s	ENY	с	NY1E
WA2FME	1	1	1	s	ENY	В	K1FC KX1C
N2DGI	204	18	6	Q	ENY	BC9E	WA1V KM1)
WB2IEY (+I							KB1K
HTT,NQX,					C,NVR, ENY	VVS) ABCD9GHI	WA1I N1FL
N2CEI (+N2							K1CF K5M/
	55,067			L	NNJ	ABCD	N1LZ
							WS10 WA1

NDDSY (+KB2s LGA, MBA, QKK, KF2NS, N2g, MFD, 103,228) NINI, ABCD K2AE (N2s LBT, QVY, QI, SCO, TJM, ULD, WDL, W2ARQ, W2EAR, WA3RK, GU, PAN NINI, ABCD K2AE (N2s LBT, QVY, QI, SCO, TJM, ULD, WDL, W2ARQ, W2EAR, WA3RK, GU, PAN ENY ABCD K2AE (N2s LBT, QV, ZI, SCO, TJM, ULD, WDL, WBSCDZ, (KF2R, PANZS QI, RLZ, PRY, WA2H, Wops) 4,136 145 22 L ENY ABC KGH (+AZE) 2,737 119 23 L ENY AB N2OUM (+NZEK, PXS TBL, ULM, W2WCF) 1,428 75 17 L NNN BCC N2OUM (+NZEK, PXS TBL, ULM, W2WCF) 1,428 75 17 L NNN BCC NEBLTE (+KCKE, PXS TBL, ULM, W2WCF) 1,428 7 N BC BC NEQUM (+NUD, Ops) 16,264 21 18 R A BCOSEFGHI W2VF 1,162 56 K S ACC BC W2UF 1,162 56 K S ACC BC W2UF 1,162 56 K S ACC BC <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
103.269 971 67 L NNJ ABCD K2AE (N22 BIT OLY, CII, SOL TJM, UID, WDL, W2ARD, WB2EAR, WA3RKB, Ope) AGD KF2MR (+N2C)[P) 6.23 219 23 L ENY ABCD KF2MR (+NEC)] 3.161 152 2 L ENY ABCD KG2H (+AA2PS) 2.737 119 23 L ENY AB N2OUM (+NZPFV) 1.800 110 15 L ENY AB N2UM (+NZEKKC) 780 62 10 L ENY AB RESAN (-NCNSW) 1120 15 B L ENY AB VEZCT (N2EVIKC) 718 2 B A ABCDEFGHI WESAN (-NCNSW) 1162 56 N A ABCDEFGHI WEJNF 1452 159 73 S MC ABCDE WEJNF (116 156 S KS ABCDE B WEJNF 162 151	N2DSY (+	KB2s LC	A,MB	A,QK	N,K	F2NS,I	N2s MFD,
WARD, WB2EAR, WA3RKB, Ope) ABCD (F22MR (+N2C)(P) 6.23 219 L ENV ABCD (KF2MR (+N2C)(P) 4.136 145 22 L ENV ABCD (KG2H (+AZPS) 2.737 119 23 L ENV ABCD N2CUM (+NZPV) 1.800 110 15 L ENV AB N2CUM (+NZCKE,N2E TBL)UCH,W2WCF) 1.428 75 17 L NNJ BCD NESZON (-NZSKE,N2E TBL) BN ABCD9EFGHI KB2NN (-NZNSW) BCD BCD VILVF 1.162 56 14 R BCD BCD VILVF 1.162 56 14 R BCD BCD VB2LV FL542 157 S MCA ABCD BCD VB2LVF 1.162 56 S KS ABCDE VB2LVF 1.162 57 S MCA ABCD VB2LVF 1.162 58 KS	1	03,269	971	87	L	NNJ	ABCD
KFZBMR (+M2C)[P) 6.233 219 21 L ENV ABD MB2CR2 (KF2PJ.N2S OIL, RJZ, RPX, WA2HWL, OpS) 4,136 145 22 L ENV ABCD KG2H (+ALR2PS) 2,737 119 23 L ENV AB N2DUM (+NZPFV) 1.800 110 15 L ENV AB K82DNF (-KZKE, N2E TSLU, UCH, W2WCF) 1.428 75 17 L NNJ BCC K120 (+NETKC) 790 62 10 L ENV AB K220 (+NETKC) 82 31 2 L ENV AB K220 (+NETKC) 82 34 8 R 4 ABCD9EFGHI WB2NF (-KZKK) 126 54 R 2 BCD BCD W21VF (-1,162 55 R ABCD BCD BCD W22VF (-1,162 510 S KS ABCDE W22VF (-1,162 56 S MO BD		WB2EAR	,WA3	RKB		i)	
WB2CR2 (KF2PJ.N2S CII.RIZ, RPX, WA2E-LWV, OpS) 4.138 145 22 L ENY AB KSNA (+NET) 2.737 119 23 L ENY AB N2CUM (+AZPS) 2.737 119 23 L ENY AB N2CUM (+AZPS) 75 17 L NNJ BCD M2LTE (+KCCKE.N2E TENJUCH.W2UCCF) 1.428 75 17 L NNJ BCD KB2DNF (-KRSVICK) 790 62 10 L ENY BC K220 (+NET) 120 15 8 L ENY AB WB2NE (-KAZMKC) - R224 32 18 S ABCDBEFGHI WB2NE (-KAZMAN(+ARDNSW) - BCD BCD BCD BCD WB2NE (-KAZMAN(+ARDNSW) - BCD BCD BCD WB2NE (-16,043 133 B1 S KS ABCD WB2NE (-16,043 133 B1 S KS BD <	KF2MR (+	8,786 N2QIP)			L		ABCD
4,136 145 22 L ENY ABCD KG2H (+AA2PS) 2,737 119 23 L ENY AB N2OUM (+NZPFV) 1428 75 17 L NNJ BCD NB2DHF (+K2KE,N28 TBJ,UCH,W2WCF) 17,428 75 17 L NNJ BCD KB2ONP (-NZPKC) 770 62 10 L ENY AB KC2CT (N2s VID,WDL,ops) 62 31 2 L ENY AB KB2AV1 (-NENSW) 116,264 221 38 R A ABCD9EFGHIJ W2JVF 116,264 21 4 R 2 BCD WB2VL 145 22 5 R BD WB2UF 145 25 R BD WB2UL 16,573 S MC ABCDE WB2UF 16,643 133 S KS ABCDE WB2U 16,53 S MC BD	WB2CRZ	6,233 KF2PJ,N				ENY PX,WA2	
3.161 109 29 L ENY AB (C3CH (-ARZPR) 2.737 119 23 L ENY AB N2OUM (+N2PR) 1.800 110 15 L NNJ BCC (RB2UTE (-KC2KE,N28 TEJ.UCH,W2WCF) 7 L NNJ BCC (RB2NAP (-K2RKC)) 82 31 2 L ENY AB (R2C1 (NET) 82 2 L ENY AB ABCD9EFGHI (R2AV (-H2NSW) 16.264 221 38 R A ABCD9EFGHI W2UVF 1.162 50 H R B BCD W2UVF 1.462 159 7.3 S MO ABDE W2UV 1.45 25 S S ABCDE B W42CLL 18.43 138 S KO ABDE W2UVF 1.460 186 S MO B W2UVF 1.436 S <		4,136					
2.737 119 23 L ENY AB N2CUM<(+N2PV)		3,161	109	29	L	ENY	AB
1.800 110 15 L NNJ BCD WB2JTE (+KCEK, PA2 FBA) 75 17 L NNJ BCD KU20 (+NET) 70 62 10 L ENY AB K2CT (M22 VID, WDL, opps) 82 31 2 L ENY BD NINOE 17.097 191 41 R A ABCD9EFGHI W2JVF 17.162 56 14 R 3 BCD WB2DEL 324 34 6 R 2 BCD W2JVF 1.162 56 NC ABCD9E BD WB2CLL 18,542 159 73 S MC ABCDE WB2CLL 18,542 159 73 S MC ABCDE WB2CLL 18,542 159 73 S MC ABCDE WB2CLL 18,543 130 15 S MC BD WB2CE 164,43		2,737	119	23	L	ENY	AB
1.428 75 17 L NNJ BCE KB2QNP (+NET) 120 15 8 L ENY AB K2CT (N2s VID,WDL,ops) 8 L ENY BD NINOE 17.097 191 18 A ABCD9EFGHI WB2NF 1.162 56 14 R 3 BCD WB2NF 1.162 56 14 R 2 BCD WB2NF 1.162 56 14 R 2 BCD WB2NFWK 84 21 4 R 2 BCD WB2CL 16.477 270 156 S KS ABCDE WB6KL 16.776 270 156 S MO ABDE WB6KL 16.433 13 81 S MO BCDE WB6KL 16.433 161 35 S MO BCDE WB6KL 16.433 13 81 S </td <td></td> <td>1,800</td> <td></td> <td></td> <td></td> <td></td> <td></td>		1,800					
700 62 10 L ENY BCD KU2Q (+NET) 120 15 8 L ENY BD K2C (1N2b VID,UDL,Ops) 2 L ENY BD MINOE 17,097 191 41 R 4 ABCD9EFGHIJ W2JVF 1,624 221 38 R 4 ABCD9EFGHIJ W2JVF 1,162 56 14 R 2 BCD WB2DL 1,165 25 R 2 BCD WB2CL 16,176 270 56 S KS ABCDE WB3CL 16,4776 270 56 S KS ABCDE WB40C 11,80 186 S MO ABDE ABDE WB60L 11,80 186 S MO BCDE ABDE WB60HMO 3,812 133 S KS ABDE ABDE WB60HMO 3,812 133 S <td></td> <td>1,428</td> <td>75</td> <td></td> <td></td> <td></td> <td></td>		1,428	75				
120 15 8 L ENY AB R2CT (N2S VIDWOL_OPS) 82 31 2 L ENY BD N1NOE 17,097 191 41 R 4 ABCD9EFGHIJ W2APE 1,624 221 38 R 4 ABCD9EFGHIJ WB2BEJ 324 34 6 R 2 BD WB2BEJ 324 34 6 R 2 BD WB2BEJ 324 4 R 2 BD WB2BEJ 324 4 R 2 BD WB2BEJ 30 6 4 R 2 BD WB2KEJ 11160 186 KO S MA BDE WB40KIL 18,43 1313 S KO B BD W06KZ 3,612 84 3 S KO B W160KIL 1,512 84 S KE		790		10	L	ENY	BCD
B2 3i 2 L ENY BD NINOE 17,097 191 41 R 4 ABCD9EFGHJ KB2NAV (+R2NSW) 162 56 14 R 3 BCD WB2BEJ 324 34 R R 2 BCD WB2EKJ 34 R R B BCD WB2EKJ 84 21 R R B BCD WB2EKJ 145 270 73 S MC ABCDE WB6KZ 16,443 133 15 KS ABCDE WB6KZ 16,443 133 S KS ABCDE WB6VFL 3,570 71 S S A BCDE WB71 3,458 91 38<		120			L	ENY	AB
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WA2TIF 17,760 333 42 S WMA BD NA1W 17,760 203 40 S WMA ABCDEFG K1ISW 17,644 290 44 S WMA ABCDE AA1AK 16,155 338 45 S CT ABD NY1E 15,678 234 47 S MC ABCDE K1FC0 15,224 173 44 S CT CD KX1C 11,970 208 239 30 S EMA ABCDE WA1VVH 10,257 253 S R1 ABD KB1KM 10,197 203 33 S EMA ABCDE WA1LBK 10.044 186 36 S EMA ABCDE K1FUS 9,734 261 31 S WMA ABCD K1FUS 9,734 261 38 S CT BCDE <td< td=""><td>WBIFKF</td><td>25,575</td><td></td><td>55</td><td>s</td><td></td><td></td></td<>	WBIFKF	25,575		55	s		
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WAILBK 10,044 186 36 S EMA ABCDE N1FUS 9,734 261 31 S WMA ABCD K1CPJ 9,850 137 30 S CT BCD9EFG K5MA 8,398 160 38 S EMA ABCD N1LZC 8,190 279 26 S WMA ABC WS1C 8,188 356 23 S WMA B	KM1X	10,257	255	39	s	RI	ABD
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N1LZC 8,190 279 26 S WMA ABC WS1C 8,188 356 23 S WMA B	K1CPJ	8,580	137	30	s	СТ	BCD9EFG
WA1MBA 7,776 113 27 S WMA BD9EFGI	N1LZC	8,190	279	26	s	WMA	ABC
		7,776					

N1JOH KA1VED AI1K WB1CMG 7,676 7,104 6,642 $\begin{array}{c} 202\\ 153\\ 225\\ 210\\ 210\\ 139\\ 206\\ 152\\ 201\\ 144\\ 126\\ 152\\ 201\\ 135\\ 172\\ 209\\ 145\\ 155\\ 102\\ 94\\ 195\\ 209\\ 94\\ 195\\ 209\\ 94\\ 105\\ 83\\ 35\\ 102\\ 70\\ 101\\ 81\\ 69\\ 97\\ 70\\ 56\\ 69\\ 27\\ 85\\ \end{array}$
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 WAIEYF
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 76</td ABCD ABD ABCD в ABCD AB ABD ABD ABD ABD B ABC BC BCD BCD ABD ABD ABCD9 AB ABD BC AB BD BD AB ABC BFI ABCD9EFGHI B CT CT WMA CT WMA VT WMA CT WMA CT CT CT WMA AC ABC AB

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K7VNU

19 S 14 S 18 S 13 S 20 S N7MWV KA7YOU N7DB N7RZA 1,653 1,540 1,116 1,040 65 80 57 68 32 WWA ABD WWA ABCDE OR ABD WWA BD N7JGO 840 EWA ABCD AA7QZ KI7NC N7WNC **4,650** 504 184 96 31 Q OR BO 42 12 Q WWA B 23 8 Q OR B BCDE WA7IQH (+KE7IK) 795 45 15 L OR ABCD 42.100 339 100 R 7 KD7TS ABCD Pacific ABCDE BD AB ABCD BD ABCDE ABDE AJ6T 18,720 6,018 263 144 160 105 141 100 72 82 64 82 64 82 64 82 64 82 64 40 32 29 41 16 12 5 52 34 35 29 25 21 18 15 16 15 20 12 10 7 10 3 2 SCV SJV SV SJV SCV EB SCV SJV SJV SJV SV SV SV SV SV SV SV SCV WJ6T N6KBX KB6IGC NI6L NR6E 5,600 5,418 5,249 3,538 2,825 2,268 1,242 1,230 1,024 1,020 980 480 410 AA6HA WN6W WA6TKV KA6AMD ABCD BD AB WF6.I в KD6WVL KF7UV ACØP N6YBZ B ABC AB ABCD 410 290 287 160 54 10 WA5YWC N4DLA/6 K7NV N6PGQ B AB BC B N2ALE WA6YDI (+WB6ITM) 3,538 85 29 M SJV ABCDE WA6KLK (+WD6HDY) 8,280 194 36 L SF 8,280 NI6G (+KN6TT) 686 ABCD 49 14 L SJV в WB9AJZ (+N5XSA) 112,068 NC7K 52,700 NGØX 8,208 KB7GYS 1,040 NI6G (+KN6TT) 510 ⁷ 443 198 R 326 155 R 125 54 R 90 8 R ABDI 7 13 3 2 ABD ABD BD 34 15 R 3 в Roanoke
 K2UOP/8
 51,230

 N4HB
 47,022

 K9OYDIA
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 WB4DBB
 31,411

 WA1EHL
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 M4BG
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 ABCD9EFI ABCD9E BCD9E ABCD9EI ABCD9EI ABCD9E ABCDE ABD BDE ABD ABCDE ABCDE ABD ABD ABCDE ABCD ABD ABD B B ABDE ABDE ABC ABDE в B B BD AD9 A B B BD ABD B B BD ABCD B AB B B ĀB W4PRO (+AD4NJ,KB4WYR,KC4WTT,KD4s AUR,SVL, KM4EM,WB4GCS,KB6QWP,WH9AAF,KDØE,KEØYG) 16,320 184 68 M VA ABCDE W2XL (+KD2NE,N2MCI,AB4SL,KE4END,KB9MS) 5,719 98 43 M NC ABCDE N8TLZ (+WA8CXI) 59,432 348 136 L WV ABCD W84NFS (+KO4FM) 26,112 345 68 L VA ABCD WA8DQR (+K8LG,N8DIR,WA8YCG,WD8AFJ,WF6X) 6,528 136 48 L WV AB N8RQR (+K04WKD) 1,212 79 12 L NC ABD N4JQQ (+NET) 468 39 12 L VA B **Rocky Mountain** KDØDW 23,545 198 85 S CO W2CRS 15,038 149 73 S CO ABCDE

K5MAT	9,108	139	46	s	NM	ABCDE
K5RHR	3,048	79	24	S	NM	BCDE
NJ7A WA7PIB	2,916 2,650	73 73	27 25	s s	UT UT	ABDE ABCDE
W5FF	2,415	69	35	s	NM	Α
K7DJB N5YYX	2,068 1,936	63 77	22 22	s s	UT NM	ABCDE ABD
K5WJY N7KA	1,920 1,596	59	24 19	s s	NM	ABCD BCD
W6OAL	1,564	57 70	17	S	NM CO	ABDE
	1,240	48	20 20	S	UT	ABD B
NØVSB W5DO	1,100 1,008	55 49	14	s s	CO NM	BD
NØYGM KD4JDT	768	34	16	S	CO	ABDE
KB5FWD	693 693	49 49	11 11	s s	NM NM	ABD BD
N7MLD KB5ZDV	686 572	40	14	S S	UT	BD
W5IXR	532	30 27	11 14	S	NM NM	BDE ABCD
KB5ZSK NZ7Ť	336 217	42 31	6 7	s s	NM UT	ABD B
N7VQW	210	21	10	s	UT	В
AA5UR WB7REL	152 133	29 14	4	s s	NM UT	ABD BD
KB5TTS/N	63	21	3	s	NM	AB
WA7KYM	(+00)					
	18,105	183	85	L	WY	ABCD
KBØJB (+N	10s POH, 1,276	RRL) 58	22	L	со	AB
NØLRJ NK5F (+NS	53,352 SITZ)	235	156	R	7	ABCDE
	36,120	202	86	R	6	ABDI
KE7NS WB7REL	6,762 1,215	113 35	46 27	R R	6 5	ABD ABD
W6RQR	125	16	5	R	2	ABC
N7MLD	12	4	3	R	2	В
Southea				_		
KA2DRH WS4F	31,428 18,720	242 149	97 80	s s	AL GA	ABCDE ABCD9EFG
WD4MBK	6,888	100	42	s	GA	ABCDE
N4TWX WD4AFY	4,830 4,738	91 84	46 46		NFL GA	ABD ABD
WD4IXD	4,329	97	37	s	NFL	ABDE
W4WDH KB4PBM	3,420 2,781	86 77	38 27	S	GA AL	ABD BD
WD4MGB	2,516	65	34	s s	SFL	ABD
WA4IOB W9GWT	1,775 1,375	59 49	25 25	S S	GA NFL	ABD ABD
KD40IG	1,368	57	24	s	AL	AB
KE4GAI N4UKF	1,326 1,100	51 55	26 20	s s	GA AL	B AB
KD4HJM	936	72	13	s	SFL	В
N4ATM KD4QIO	925 448	34 23	25 14	s s	NFL AL	ABD BD
KQ4PI	408	21	17	S	NFL	ABD
	385	42	7	S	GA	ABDI
N4QH W2VDI/4 K4KAZ	385 250 207	42 25 23	7 10 9	s s	GA SFL GA	ABUI AB A
W2VDI/4 K4KAZ KD4VDR	250 207 140	25 23 20	10 9 7	S S S	SFL GA AL	AB A B
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI	250 207 140 120 119	25 23 20 14 17	10 9 7 8 7	s s s s s s s	SFL GA AL AL AL	AB A B ABD AB
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB	250 207 140 120 119 104	25 23 20 14 17 12	10 9 7 8 7 8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	SFL GA AL AL AL AL	AB A B ABD AB ABD
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W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB	250 207 140 120 119 104	25 23 20 14 17 12	10 9 7 8 7 8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	SFL GA AL AL AL AL	AB A B ABD AB ABD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG	250 207 140 120 119 104 35 6,510 KD4s EY	25 23 20 14 17 12 7 154 E,HL	10 9 7 8 7 8 5 35 G,HI	S S S S S S S S S S S S S S S S S S S	SFL GA AL AL AL AL AL AL MSB,K/	AB A B ABD AB ABD B ABD ABD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4ALJ AC4OP (+	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK	25 23 20 14 17 12 7 154 E,HL 151	10 9 7 8 7 8 5 35 35	\$\$\$\$\$\$\$ Q	SFL GA AL AL AL AL AL	AB A B ABD AB B ABD B
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AAD4DB WA4VUG WA4VUG WA4ALJ AC4OP (+ WB4VFT (250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325	25 23 20 14 17 12 7 154 E,HL 151 R) 75	10 9 7 8 5 35 60 35	SSSSSS SSSS Q NE,I L	SFL GA AL AL AL AL AL MSB,K/ GA NFL	AB A B ABD ABD B ABD ABD ABD ABD BD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4VUG WA4ALJ AC4OP (+ WB4VFT (250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA585 3,325 WA2STA.	25 23 20 14 17 12 7 154 E,HL 151 R) 75 WB2	10 9 7 8 5 35 60 35 5 60	SSSSSS SSSS Q NE,I L	SFL GA AL AL AL AL AL MSB,K/ GA NFL	AB A BD ABD ABD B ABD ABD ASWZY) ABD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4ALJ AC4OP (+ WB4VFT (UCS,VBI,	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325 WA2STA, WA2STA, WA2STA,	25 23 20 14 17 12 7 154 E,HL 151 R) 75 WB2F (,ops) 102	10 9 7 8 5 35 60 35 5 60	SSSSSS SSSS Q NE,I L	SFL GA AL AL AL AL AL MSB,K/ GA NFL	AB A B ABD ABD B ABD ABD ABD ABD BD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4VUG WA4ALJ AC4OP (+ WB4VFT (250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325 WA2STA, WA2STA, WA2STA,	25 23 20 14 17 12 7 154 E,HL 151 R) 75 WB2F (,ops) 102	10 9 7 8 5 35 60 35 5 60	SSSSSS SSSS ALL L	SFL GA AL AL AL AL AL AL AL GA NFL HDK,K	AB A B ABD ABD B ABD ASWZY) ABD BD Ddss LXB,QHI,
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4ALJ AC4OP (+ WB4VFT (UCS,VBI,	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325 WA2STA, WA2STA, WA2STA, WA2STA, 1,044 +KE4DY 500 KD4IDG)	25 23 20 14 17 12 7 154 E,HLL 151 R) 75 WB2 (,ops) 102 () 56	10 9 7 8 5 35 60 35 5 60 35 5 KR, 9 10	SSSSS Q LE,L L L C	SFL GA AL AL AL AL AL AL MSB,K/ GA NFL HDK,K SFL GA	AB A BD ABD ABD ABD ABD ASWZY) ABD D4s LXB,QHI, ABC B
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4ALJ WB4VFT (WB4VFT (W4HAW (\ UCS,VBI, KE4DYX (- KD4IDK (+	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325 NA2STA, WA4HXZ 1,044 +KE4DYJ 560 KD4IDG) 39	25 23 20 14 17 12 7 154 E,HLL 151 R) 75 WB2 <i>i</i> (,ops) 102 () 56 9	10 9 7 8 5 35 60 35 5 60 35 5 8 7 8 5 5 60 35 5 8 7 8 5 5 8 7 8 5 5 8 5 8 5 9 9	SSSSSS Q HE, L L CC L	SFL GA AL AL AL AL AL MSB,K/ GA NFL HDK,K SFL	AB A B ABD ABD ABD ABD ABD BD D4s LXB,QHI, ABC
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4VUG WA4VUG W44LJ AC4OP (+ WB4VFT (UCS,VBI, KE4DYX (250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA5RK 3,325 WA2STA, WA4HXZ 1,044 +KEADY1 560 KD4IDG) 39	25 23 20 14 17 12 7 154 E,HLL 151 R) 75 WB22 (,ops) 102 () 56 9 9	10 9 7 8 5 5 5 60 35 5 60 35 5 7 8 7 8 7 8 5 7 8 5 7 8 7 8 5 5 5 8 5 7 8 5 7 8 5 5 60 35 7 8 5 7 8 5 7 8 5 5 7 8 5 5 7 8 5 5 7 8 5 5 7 8 5 5 5 6 6 9 7 8 5 5 5 7 8 5 5 5 6 6 6 7 8 5 5 5 5 5 6 6 6 7 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SSSSSS Q ELL LK L L	SFL GA AL AL AL AL AL AL MSB,K/ GA NFL HDK,K SFL GA AL	AB A AB ABD ABD ABD ABD ABD ASWZY) ABD Dds LXB,OHI, ABC B BD
W2VDI/4 K4KAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG WA4ALJ WB4VFT (WB4VFT (W4HAW (\ UCS,VBI, KE4DYX (- KD4IDK (+	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 *WA5RK 3,325 *MA5RK 3,325 *MA5RK 3,325 *MA5RK 3,325 *MA5RK *WA5RK 3,325 *MA5RK *WA5RK 3,325 *MA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *WA5RK *************	25 23 20 14 17 12 7 154 E,HLi 75 75 75 (,ops) 102 () 56 9 () 67	10 9 7 8 5 35 60 35 5 60 35 5 8 60 35 5 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	SSSSSS QILL LKL L R	SFL GA AL AL AL AL AL AL WSB,K/ GA SFL GA AL 3	AB A B ABD ABD ABD ABD ASWZY) ABD Dols LXB,OHI, ABC B BD BD BD
W2VDI/4 K4KAZ KDAVDR AD4DA W4NTI AD4DB WA4VUG WA4VUG WA4VUG W44AUJ AC4OP (+ WB4VFT (W4HAW (\ UCS,VBI, KE4DYX (- KD4IDK (+ KC4YCK (AD4DY (+)	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 *WA5RK 3,325 *WA5RK 3,325 *WA5RK 3,325 *WA5RK 3,325 **MA5RK ** ** ** ** ** ** ** *	25 23 20 14 17 12 7 154 E,HLi 75 75 75 75 (,ops) 102 () 56 9 () 67	10 9 7 8 5 5 5 60 35 5 60 35 5 7 8 7 8 7 8 5 7 8 5 7 8 7 8 5 5 5 8 5 7 8 5 7 8 5 5 60 35 7 8 5 7 8 5 7 8 5 5 7 8 5 5 7 8 5 5 7 8 5 5 7 8 5 5 5 6 6 9 7 8 5 5 5 7 8 5 5 5 6 6 6 7 8 5 5 5 5 5 6 6 6 7 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SSSSSS Q ELL LK L L	SFL GA AL AL AL AL AL AL MSB,K/ GA NFL HDK,K SFL GA AL	AB A AB ABD ABD ABD ABD ABD ASWZY) ABD Dds LXB,OHI, ABC B BD
W2VDI/4 K4KAZ KDAVDR AD4DD W4NTI AD4DB W4ATU AD4DB W44VUG W44AUJ AC4OP (+ W84VFT (W4HAW (1 UCS,VBI, KE4DYX (- KC4ICK (AD4DY (+) Southwa	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 +WA550 KD45 EY 1,044 3,325 WA2STA, WA4HXZ 1,044 +KE4DY1 560 KD4BH0 39 +AA4CW 2,349 KD4BH12,112 2,112	25 23 20 14 17 12 7 154 E,HLi 151 R) 75 4 WB2/i () 56 9 9 () 64	10 9 7 8 5 5 60 35 5 60 35 5 7 8 60 35 5 7 8 0 7 8 7 8 7 8 5 35 60 35 7 8 7 8 5 35 60 35 7 8 35 8 35 8 35 8 35 8 35 8 35 8 35	SSSSSSS Q LE,L LCL L L R R	SFL GA AL AL AL AL MSB,K/ GA NFL SFL GA AL 3 4	AB A B ABD ABD B ABD ABD ABD D4s LXB,QHI, ABC B BD BD AB
W2VDI/4 K4KAZ KDAVDR AD4DA W4NTI AD4DB WA4VUG WA4VUG WA4VUG W44AUJ AC4OP (+ WB4VFT (W4HAW (\ UCS,VBI, KE4DYX (- KD4IDK (+ KC4YCK (AD4DY (+)	250 207 140 120 119 104 35 6,510 KD4s EY 10,740 *WA5RK 3325 WA2STA, WA2STA, WA2STA, WA4HXZ 1,044 *KE4DY 560 KD4IDG) 39 *AA4CW 2,349 KD4BHH 2,112 2,112 2 *Stern 17,524	25 23 20 14 17 12 7 154 E,HLi 55 (,ops) 56 9 9 () 64 268	10 9 7 8 5 35 60 35 5 60 35 5 8 60 35 5 10 3 3 3 3 3 3 5 2 7 33 52	SSSSSS G REILLC LL L R R S	SFL GA AL AL AL AL AL WSB,K/ GA NFL SFL GA AL SB	AB A B ABD ABD ABD ABD ASWZY) BD D4s LXB,QHI, ABC B BD BD BD BD ABC ABC
W2VDI/4 KAKAZ KAKAZ KDAVDR ADADA W4NTI ADADB WA4VUG W44AUUG W44AUUG W44AUUG W44AUUG W44AUUG W44AUUG W44AUUG W44AW (\ UCS,VBI, KE4DYX (\ KD4IDK (+ KC4YCK (AD4DY (+) Southwe KC6WLC W66GQV W46RAY	250 207 140 120 19 104 35 6,510 KD48 EY 10,740 KD48 EY 10,740 KD48 EY 10,740 KD48 EY 10,740 KD48 EY 10,64 KD41DG 39 * * * * * * * * * *	25 23 20 14 17 12 7 154 E,HLI 1 154 E,HLI 1 7 56 () 9 9 () 67 64 2268 223 213	10 9 7 8 5 5 5 60 35 5 60 35 5 7 8 5 60 35 5 7 8 5 7 8 5 7 8 5 5 7 8 5 5 7 8 5 5 5 60 35 5 7 8 5 5 5 7 8 5 5 5 5 5 5 5 5 5 5 5	SSSSSSS Q RELLLC L L R R SSS	SFL GA AL AL AL AL AL AL SB SFL GA AL SB LAX LAX	AB A B ABD ABD ABD ABD ABD D4s LXB,QHI, ABC B BD ABC ABC ABCDE ABCDE
W2VDI/4 KAKAZ KAKAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG W44LAJ AC40P (+ WB4VFT (W4HAW (I UCS,VBI, KE4DYX (- KC4VCK (AD4DY (+) SOUTHW KC6WLC KC6WLC WB6FCS	250 207 140 120 119 104 35 6,510 KD4 EV 4,840 4,840 1,0,44 +KE4DY 33 25 1,044 +KE4DY 33 2,349 CAD4BHH 2,112 2,349 10,45RK 4,112,285 5,510	25 23 20 14 17 12 7 154 E,HL 157 154 E,HL 151 102 () 56 67 64 2268 223 213 160	10 9 7 8 5 5 5 60 35 5 60 35 5 8 60 35 5 8 7 8 5 7 8 5 7 8 5 7 8 5 7 8 5 5 8 5 7 8 5 5 8 5 7 8 5 5 8 5 8 5 5 8 8 5 8 5 8 5 8 5 8 7 8 5 8 5	SSSSSSS QILELL LL LL R R SSSS	SFL GA AL AL AL AL AL AL MDSB,KJ GA AL SFL GA AL SB LAX SR LAX ORG	AB A AB ABD ABD ABD ABD ABD DAS LXB,OHI, ABC B BD ABC ABCD ABCDE ABCDE ABCDE ABCDE
W2VDI/4 K4KAZ KCDAVDR AD4DA W4NTI AD4DB WA4VUG W44VUG W44AUJ AC4OP (+ WB4VFT (W4HAW (\ UCS,VBI, KE4DYX (- KD4IDK (+ KC4YCK (AD4DY (+I Southwa KC6WLC W66gV WA6RAY WB8FCS W68DF N66MI	250 207 140 120 119 104 35 6,510 KD4 EYY 4,0,740 +WA5RK 3,3257,40 KD4 EYY 3,3257,40 KD4 EYY 3,3257,40 KD4 BHH) 2,112 2,349 Stern 17,524 14,036 KD4 BHH) 2,112 2,350 7,228	25 23 20 14 17 12 7 154 E,HLL 151 R), 75 5 67 () 64 268 223 213 160 188	10 9 7 8 5 35 60 35 5 60 35 7 8 7 8 5 35 60 35 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	SSSSSSS O LELLLÀ LL L R R SSSSSS	SFL GA AL AL AL AL AL AL SB SFL GA AL SB LAX SB LAX LAX CORG ORG ORG ORG	AB A B ABD ABD ABD ABD ABD ABD ASWZY) ABD D4s LXB,OHI, ABC B BD ABC BD ABC BD ABCD ABCD ABCD A
W2VDI/4 KAKAZ KAKAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG W44AUUG W44AUUG W44AUUG W44AUG W44AUG W44AUG W44AUG W44AUG W44AUG KC6UC W46BQC W66BQC W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS W66BCS	2500 207 140 120 119 104 35 6,510 KD48 EYY 6,510 KD44 EYY 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0740 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750 4,0750	25 23 20 14 17 12 7 154 E,HL 151 154 E,HL 151 179 7 7 7 7 154 268 223 20 67 64 2268 223 213 160 1888 160 188 160 179	10 9 7 8 5 35 60 35 5 60 35 5 60 35 5 7 8 5 35 60 35 7 8 5 35 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	SSSSSSS Q RELLLÀ LL L R R SSSSSSS	SFL GA AL AL AL AL AL AL AL AL SFL GA AL SFL GA AL SB LAX SDG SDG ORG SDG ORG	AB A ABD ABD ABD ABD ABD ABD D4s LXB,QHI, ABC BD ABC BD ABCD ABCD ABCDE ABCDE ABCDE ABCCD ABCCD ABCCD ABCCD
W2VDI/4 KAKAZ KAKAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG W44NUG W44AUG W44AUG W44AUG W44AUG W44AUG W44AUG UCS,VBI, KE4DYX (- KC4YCK (AD4DY (+I KC4YCK (AD4DY (+I Southwa KC6WLC W86GGV W86FCS W68DF N6MI N7WLS KD6FSM K1CT	2500 207 140 120 119 104 35 6,510 KD45 EYY 10,740 WA5RK 4,840 KD4107 3,925 3,925 WA4HX 3,925 WA4HX 3,925 WA4HX 3,950 7,228 Stern 17,524 Stern 17,524 Stern 17,524 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 Stern 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,525 S 17,555 S 17,555 S 17,555 S 17,555 S 17	25 23 20 14 17 12 54 E,HL 151 154 E,HL 151 154 E,HL 151 154 E,HL 155 () 56 () 56 () 9 9 () 67 () 64 268 223 213 160 () 64 268 223 213 160 17 () 56 () 64 268 223 213 160 17 56 () 7 56 () 7 56 () 7 56 () 7 56 () 7 5 () 7 () 7 5 () 7 5 () 7 () 7 5 () 7 () 7 5 () 7 () 7 5 () 7 () 7 ()() 7 () 7 () 7 () 7 () 7 (() 7 () 7 (() 7 () 7 (() 7 (() 7 ()()()()()()()()()()()()()()1()()1()1()1()1111111111111	10 9 7 8 5 5 35 60 35 5 60 35 5 7 8 5 35 60 35 5 7 8 5 35 8 60 35 5 7 8 5 35 8 5 35 8 7 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10	ששששש איש איש איש איש איש איש איש איש אי	SFL GA AL AL AL AL AL AL AL AL SB SFL GA AL SB LAXX SFL GA AL SB LAXX CORG SDG SDG SDG	AB A A B ABD ABD ABD ABD ABD D4s LXB,QHI, ABC B B B B ABCD ABCD ABCD ABCD ABCD AB
W2VDI/4 KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ WAYUG WAYUG WA4VUG WA4VUG WA4AUJ AC4OP (+ W4HAW (\ UCS,VBI, KE4DYX (- KC4YCK (AD4DY (+ Southwe KC6WLC W66GGV W66RDF N6MI N7WLS KD6FSM K10FSM	2500 207 140 120 119 104 6,510 KD4E EYY 6,510 KD4E SEV 4,510 4,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,510 4,074 6,074 1,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,074 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075 0,075	25 23 20 14 17 12 7 154 E,HLU 151 154 E,HLU 151 154 E,HLU 151 154 268 223 213 160 179 176 140 188 160 179 176 14 164 179 179 179 164 189 180 180 18 180 180 180 180 180 180 180	10 9 7 8 5 5 35 60 35 5 60 35 5 7 8 5 35 60 35 5 7 8 5 35 60 35 5 7 8 5 35 8 5 35 8 7 8 5 35 8 5 35 8 7 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 5 35 8 7 8 5 35 8 5 35 8 5 9 10 3 5 5 8 5 35 8 5 9 10 3 5 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	SSSSSS O LL LK L L R R SSSSSSSSSS	SFL GA AL AL AL AL AL AL SFL GA AL SFL GA AL SFL GA AL LAX SDG ORG ORG ORG ORG CAL AL LAX	AB A A B ABD ABD ABD ABD ABD ABD ABD ABC B B ABCD ABCD
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W2VDI/4 KAKAZ KAKAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG W4ATL AD4DB WA4VUG W44LAU W44LAU W44LAU (UCS,VBI, KE4DYX (: KD4IDK (+ KC4VCK (AD4DY (+) KC4VCK (KC4VCK (AD4DY (+) KC4VCK (KC4VCK (2500 207 140 1200 119 104 35 6,510 KD45 EYY 10,740 WA5RK 4,850 3,325 WA28TA ,3,325 WA28TA ,3,325 WA28TA ,4 560 KD4102 ,3 39 *AA4CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44CW *A44C	255 230 144 177 127 154 E.151 179 75 179 75 179 75 102 75 102 75 102 75 102 75 102 75 102 75 103 104 107 76 2283 22130 164 179 751 188 160 75 103 75 103 75 103 75 102 75 10 75 102 75 10 10 10 10 10 10 10 10 10 10 10 10 10	10 9 7 8 7 8 5 35 H 6 35 R 9 10 3 27 3 544 39 50 23 31 24 27 19 20 19 19 18 12 44 13 12 9 13 13 16 12 9 12 13 16 12 9 12	SSSSSSS Q HELL LKC L L L R R SSSSSSSSSSSSSSSSSSSSSSSSSSSS	SFL GA AL AL AL AL AL AL AL AL AL AL AL AL AL	AB A A B ABD ABD ABD ABD ABD ABD ABD ABD
W2VDI/4 KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ KAKAZ WAYUG WAAYUG WA4VUG WA4UG WA4UG WA4UG WA4DB WA4VUG WA4DB KC40PC (+ KC40PC (AD4DV (+ KC4VCK (AD4DV (+ KC6ULC KC6ULC KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU KC6ULU	2500 207 140 120 140 120 149 149 15 6 ,510 KD45 EV 10,740 WA5RK 4 ,4560 KD410 4 ,4550 5 ,500 KD410 4 ,4560 5 ,112 2 ,349 4 ,460 4 ,480 4 ,2584 4 ,480 4 ,480 4 ,480 5 ,5112 5 ,112 5	255 233 200 14 177 12 7 15 HLI1 175 HLI1 175 HLI1 175 HLI1 175 9 67 62 2233 1600 177 59 67 67 62 2233 1600 177 12 75 10 221 23 20 14 17 75 10 22 10 20 10 22 10 20 10 22 10 20 10 22 10 20 20 20 20 20 20 20 20 20 20 20 20 20	10 9 7 8 7 8 5 35 1 0 3 27 3 544 350 263 31 44 7 19 20 9 19 18 12 14 31 2 9 31 31 61 2 9 12 01 17	SSSSSSS QILELLIKULLI PRR SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	SFL GA AL AL AL AL AL AL AL AL AL AL AL AL AL	AB A A ABD ABD ABD ABD BD ABD ABD ABD AB
W2VDI/4 KAKAZ KAKAZ KD4VDR AD4DA W4NTI AD4DB WA4VUG W44TI AD4DB WA4VUG W44LAUG W44LAUG W44LAUG W44LAUG W44LAUG W44LAUG KC4VCK (AD4DY (+ KC4VCK (AD4DY (+ SOUTHW6 KC6WLC W66GQV WA6RAY W66CS W66CS W66CS W66CS KD6FSM K1FJM/6 N6HC K1FJM/6 N6HC K1FJM/6 N6HC KC6UX K04PIT K64UL K1FJM/6 N6HC K1FJM/6 N6HC K1FJM/6 N6HC K1FJM/6 N6HC K66UX K06PIT K66UX K06PIT K66UX K66WN	2500 207 140 120 140 120 149 149 15 6,510 KD44 EYY 6,510 KD44 EYY 4,550 KD44 EYY 4,044 4,640 5,500 4,044 4,600 5,510 17,228 5,510 17,228 5,510 17,228 5,112 17,524 4,604 4,600 11,2285 9,550 1,767 7,228 7,128 8,564 1,248 1,248 1,248 1,258 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,268 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,	255 23 20 14 17 15 E,151 F HLI F F HLI F F HLI F F F F F F F F F F	10 9 7 8 7 8 5 35 1 6 35 R 9 10 3 27 33 524439506331227 190191812141312 913131612 91210	SSSSSSS Q HEL LK L L L R R SSSSSSSSSSSSSSSSSSSSSSSSS	SFL GA AL AL AL AL AL AL AL AL AL AL AL AL AL	AB A A B ABD AB ABD ABD ABD B B B D ABC B B D ABC B ABCD ABCD
W2VDI/4 KAKAZ KIAKAZ KIAVDR AD4DA W4NTI AD4DB WA4VUG W4ATI AD4DB WA4VUG W44ALJ AC4OP (+ W44ALJ W64VFT (W44ALJ KC64VCK (AD4DY (+ KC4YCK (AD4DY (+ KC4YCK (AD4DY (+) KC64VCK (AD4DY (+) KC64VCK (AD4DY (+) KC64VCK (AD4DY (+) KC64VCK (AD4DY (+) KC64VCK (AD4DY (+) KC64VCK (KC64VCK (2500 207 140 120 140 120 150 16,510 KD48 EYY 6,510 KD48 EYY 10,740 WA55 6,510 KD48 EYY 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 WWA1K2 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 10,740 	255 220 14 17 12 7 54 LL51 154 LL51 75 WB 25 (20) 754 154 LL51 75 WB 25 (20) 756 75 16 17 17 17 17 17 17 17 17 17 17	10 9 7 8 7 8 5 35 1 9 10 3 27 3 52439502331427920191812141312 913131612 9121017 8	SSSSSSS Q HELLK LL L R R SSSSSSSSSSSSSSSSSSSSSSSSSSS	SFL GA AL AL AL AL AL AL AL AL AL AL AL AL AL	AB A A ABD ABD ABD ABD BD ABD ABD ABD AB

KD6VEX	324	36	6	s	LAX	BCD
KV6J KE6BBP	312 235	32 32	8 5	s s	SB SB	BD BC
N7GJD	155	31	5	S	AZ	AB
WB6AXW WA6FIT	85 48	15 12	5 4	s s	SDG ORG	ABD B
KI7LP KD6AEJ	45 24	15 4	3 4	s s	AZ SB	B ABCD
KB6MEG N6TCZ	5,772 16	162 4	26 2	Q Q	SDG LAX	ABCD C
W6TRW (AB6UP.KI	D6s A	UN.I	рук	GKL	GI,PRO,WYQ,
KE6BJB,	KK6LV,KI	V6s X				L,RH,ZAY,
	K,MPF,oj 14,610	327	30	м	LAX	ABCDE
KC6TJV (-	+KD6YNG 2,280	i,KN6 97	WV) 19	м	SB	ABCDE
KEEPCH						
KE6BGH (220	44	5	L	SDG	в
KB7CRT (+WB7OH 744	F) 51	12	L	AZ	ABCD
W6AB (KE	3500,KC6 160	5BAY, 17	KF6 8	LI,K L	I6XG,K SB	A7MGM,ops) BD
K6LMN KD6EFQ (20,252 +N7TTO)	235	61	R	3	ABCDEL
W6TKV (+	8,136 N6CEQ)	164	36	R	2	ABCD
	5,002	97	41	R	5	ABD
West Gu						
K9MK KB5IUA	29,470 16,590	296 190	70 70	s s	NTX STX	ABCD9E ABCDE
WD5EWD	12,810	179	61	s	NTX	ABD
WA5TKU K5LLL	10,434 10,152	149 169	47 47	s s	NTX STX	AB EFI AB D E
K5SW W5KFT	6,552 1,770	83 59	56 30	s s	OK WTX	ABCDE B
KC5CCT	1,596	76	21	s	STX	В
W5OZI AJ4F	910 396	35 33	26 12	s s	STX STX	AB B
KC5FP W8EP	112 105	11 15	8 5	s s	STX NTX	ABD BD
AA5C (+K N6CL,WI	BØCGH)					
WQ5S (+4	127,820 A5AM.KY	394 (5M)	110	м	NTX	ABCD9EFGHIJL
	72,288	322	96	M	NTX	ABCD9EFGHL
			_			
KB5KYJ (·	+KB5WON 9,955	N,KC5 140	EJX 55	,N5. L	ZXE) WTX	ABDE
WB5LUA	96,844	260		R	7	ABCD9EFGHIJL
N5QGH	92,110	255	122	R	7	ABCD9EFGHIJL
KA5BOU N5PGH	14,112 6,228	141 77	48 36	R R	4 4	ABCDEIL ABCDEHI
KB5YZQ KB5UBE	6,228 4,887	77 83	36 27	R	4 3	ABCDEHI ABCD9EFHIJL
WS5R	2,552	99	22	R	8	BD
Canada VE3RKK	04 100	400	56		ON	в
VE3WCB	24,192 8,241	432 124	41	S S	ON	ABDEF
VE3KDH VE3RM	7,566 5,332	194 106	39 43	s s	ON ON	B ABCD
VE3BFM VE3FGU	5,084 5,074	70 103	41 43	S S	ON ON	ABCD9EF ABD
VE3GBA	4,992	156	32	s	ON	в
VE3TMG VE9AA	4,329 4,134	111 106	39 39	s s	ON MAR	AB A
VE2XX VE6XT	3,128 2.682	69 110	34 18	S S	PQ AB	ABCDE ABDE
VE4KQ	2,664	77	24	s	MB	ABCDE
VE3SXE VE3LL	2,280 1,520		30 20	S S	ON	ABD B
VE3URS VE6CMM	1,320 1,260	46 66	22 15	s s	ON AB	ABCD ABDE
VE3DSS VE6KC	689 682	36 49	13 11		ON AB	ABCDE BD
VE3VHB	629	37	17	s	ON	в
VE7RCN VE3JAR	561 442	51 34	11 13	s s	BC ON	А В
VE4GLS VE4ZK	434 300	27 22	14 12	s s	MB MB	BD ABD
VE2UG	294	16	14	s	PQ	ABCD
VE2LC VE7GNR	225 65	18 12	9 5	s	PQ BC	ABD A B D
VE7KPB	54	6	6	s	BC	ABCD
VE2PIJ	36	7	4	Q	PQ	BD
VE3NPB					~	2021
	1,577	61			ON	BCDL
VE3SAU			G,IG 52		DJN,XJ ON	X,ops) ABCD
	-			-		
VE6DLS (VE6VEM, 792	op) 44	18	R	6	в
DX						
KE4BXT/	MM 56	28	2	s	В	
COØFRC						ops)
Cheski	30	6	5	L	AB	
N2TTT, W		KD6F	PLN.	WB	6DFE.	N8DJB,
WB8IMY,						

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