



Bear 100

2014



BEAR 100 DATA ENTRY & TRANSFER

Cache County ARES
November 1st 2014
Tyler Griffiths N7UWX
Ted McArthur AC7II
Cordell Smart KE7IK



Race Route

42° 3' 58.296" N

111° 43' 19.896" W

111° 20' 24.892" W

42° 4' 6.658" N

Net Control

FINISH 100.00

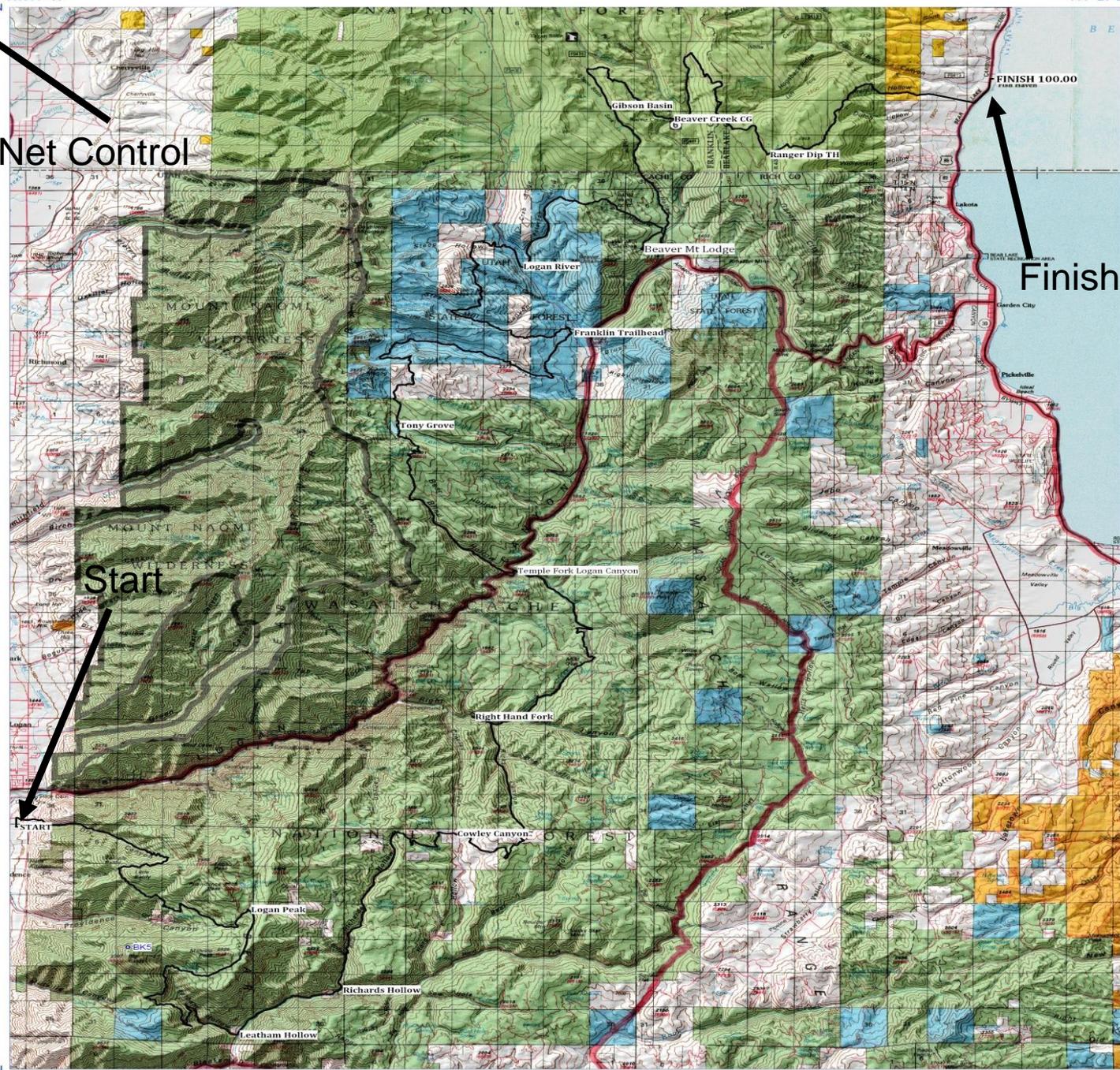
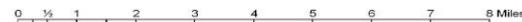
Finish

Start

START

41° 37' 41.877" N
111° 48' 0.188" W

111° 20' 16.566" W
41° 37' 50.112" N



BEAR 100 - Year 2014

Aid Station 13

Number	Runner #	In	Out	Number	Runner #	In	Out
1	168	23:41	23:43	26	62	4:35	4:49
2	121	0:25	0:26	27	20	4:45	4:48
3	284	0:32	0:35	28	290	4:49	5:02
4	260	0:51	0:56	29	197	5:19	5:55
5	260	1:09	1:14	30	289	5:20	5:26
6	278	1:26	1:26	31	230	5:41	5:50
7	56	1:50	1:57	32	202	5:58	6:01
8	179	2:07	2:11	33	63	6:20	6:22
9	178	2:22	2:32	34	78	6:22	6:35
10	269	2:51	2:53	35	81	6:33	6:36
11	256	2:52	2:54	36	277	6:33	6:59
12	275	2:53	2:54	37	124	6:39	6:50
13	203	2:54	2:56	38	232	6:39	6:50
14	193	3:18	3:20	39	2	6:50	6:50
15	112	3:23	3:29	40	209	7:08	7:16
16	237	3:39	3:45	41	129	7:12	7:46
17	305	3:40	3:46	42	98	7:13	8:15
18	297	4:10	4:13	43	21	7:13	8:16
19	171	4:17	4:22	44	271	7:36	8:00
20	31	4:20	4:32	45	199	7:36	7:40
21	292	4:23	4:32	46	258	7:39	7:39
22	86	4:24	4:24	47	283	7:41	7:47
23	208	4:29	4:34	48	77	7:45	7:58
24	302	4:31	4:39	49	49	7:48	8:07
25	216	4:32	4:39	50	116	7:53	7:56

6:02

7

8:4

2014 In & Out Time Data

- ▣ 13 Aid Stations
- ▣ 310 registered. 279 runners started
- ▣ In & out time for each

$13 \times 279 \times 2 = 7254$ data
points

- ▣ Plus Finish Line
- ▣ 7 seconds per item = over 8 hours of one way transmissions.

Data used to be tracked with a public Google Spreadsheet

+Tyler Gmail Calendar Documents Photos Sites Web More - Tyler Griffiths Share

2011 Bear 100 Race Results ☆

File Edit View Insert Format Data Tools Help Last edit was made 64 days ago by Idoney1 Share

fx # Show all formulas

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	#	Last Name	First Name	Age	Gender	Home	LGN PK IN	LGN PK OUT	LEATH IN	LEATH OUT	RICH IN	RICH OUT	CWLY IN	CWLY OUT	RH FRK IN	RH FRK O
							AID 1 IN	AID 1 OUT	AID 2 IN	AID 2 OUT	AID 3 IN	AID 3 OUT	AID 4 IN	AID 4 OUT	AID 5 IN	AID 5 OUT
3	318	Adams	Larry				916	0921			1226	1229	1458	1511	1711	1716
4	319	Adams	Roger				0837	0837			1057	1100	1256	1256		
5	320	Adler	Bob				0847	0848			1104	1105	1257	1257	1435	1440
6	321	Aguire	Andreas				0815	0815			1006	1007	1129	1132	1244	1246
7	322	Ahern	Dennis				0840	0841			1050	1051	1244	1246	1423	1428
8	323	Albrecht	Quincie				0909	0913			1159	1205	1412	1424	1617	1626
9	324	Anderson	Ryan				0837	0838			1050	1051	1244	1246	1427	1436
10	325	Angel Andrade	Julio Cesar				0843	0844			1112	1114	1308	1315	1506	1518
11	326	Arble	Kenneth				0925		1213	1216			1420	1424	1613	1617
12	327	Askew	Chris								1018	1019	1148	1149	1305	1307
13	328	Askew	Darla				0821	0822			1031	1032	1208	1211	1337	DNF
14	329	Baker	Chris				DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF
15	330	Barney	Andrew				0856	0858			1144	1148	1400	1408	1402	1555
16	331	Bartley	John				0859	0901			1136	1138	1343	1353	1545	1558
17	332	Benhammou	Daniel				0820	0820			1030	1031	1223	DNF	DNF	DNF
18	333	Benjamin	Ben				0919	0921			1209	1213	1434		1630	1632
19	334	Berriochoa	Emily				0914	0915	1220	1221			1452	1454	1701	1701
20	335	Bertot	Jeff				0822	0824			1022	1022	1156	1156	1312	1314
21	336	Beutler	Stan				0841	0842			1119	1120	1330	1332	1532	1535
22	337	Bierstedt	Michele				0848	0849			1117	1118	1317	1322	1524	???
23	338	Biesinger	Chris				WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW
24	339	Blackett	Cody				0910	0913			1148	1150	1406	1412	1601	1615
25	340	Blackham	Amie				0905	0907			1120	1123	1305	1310	1433	1438
26	341	Boyce	Bedford				DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF
27	342	Brackelsberg	Chad				0818	0819			1019	1021	1202	1202	1324	1331
28	343	Bray	Daniel				0905	0908			1156	1201	1419	1427	1627	1639
29	344	Brenner	Steve				0816	0818			1022	1022	1159	1200	1328	1338
30	345	Briggs	Dave				0844	0846			1106	1108	1258	1302	1433	1445
31	346	Brown	Christopher				0834	0839			1054	1056	1254	1304	1442	1451
32	347	Buettner	Stephanie				0910	0915			1149	1157	1402	1410	1602	1612
33	348	Buffington	Marc				0836	0839			1055	1058	1305	1305	1433	1439
34	349	Burford	Levi				0834	0835	0937	0937	1055	1058	1302	1303	1447	1500
35	350	Cain	Rob				0825	0827			1025	1028	1218	1220	1346	1347
36	351	Campbell	Mindy				0840	0840			1051	1054	1248	1251	1430	1438
37	352	Carr	Derrick				0820	0821			1017	1018	1156	1205		
38	353	Cawley	Christopher				0808	0809			0954	0955	1127	1128	1242	1245
39	354	Cawthon	Larry				0906	0907			1134	1137	1337	1347	1521	1528
40	355	Chan	Dan				0919	0920			1208	1213	1417	1424	1611	1619
41	356	Chase	Jim				0849	0852			1128	1131	1322	1328	1510	1515
42	357	Chase	Jody				0856	0858			1118	1120	1306	1310	1443	1450

+ Runners Runners Sorted #

2014 Packet/RMS Statistics

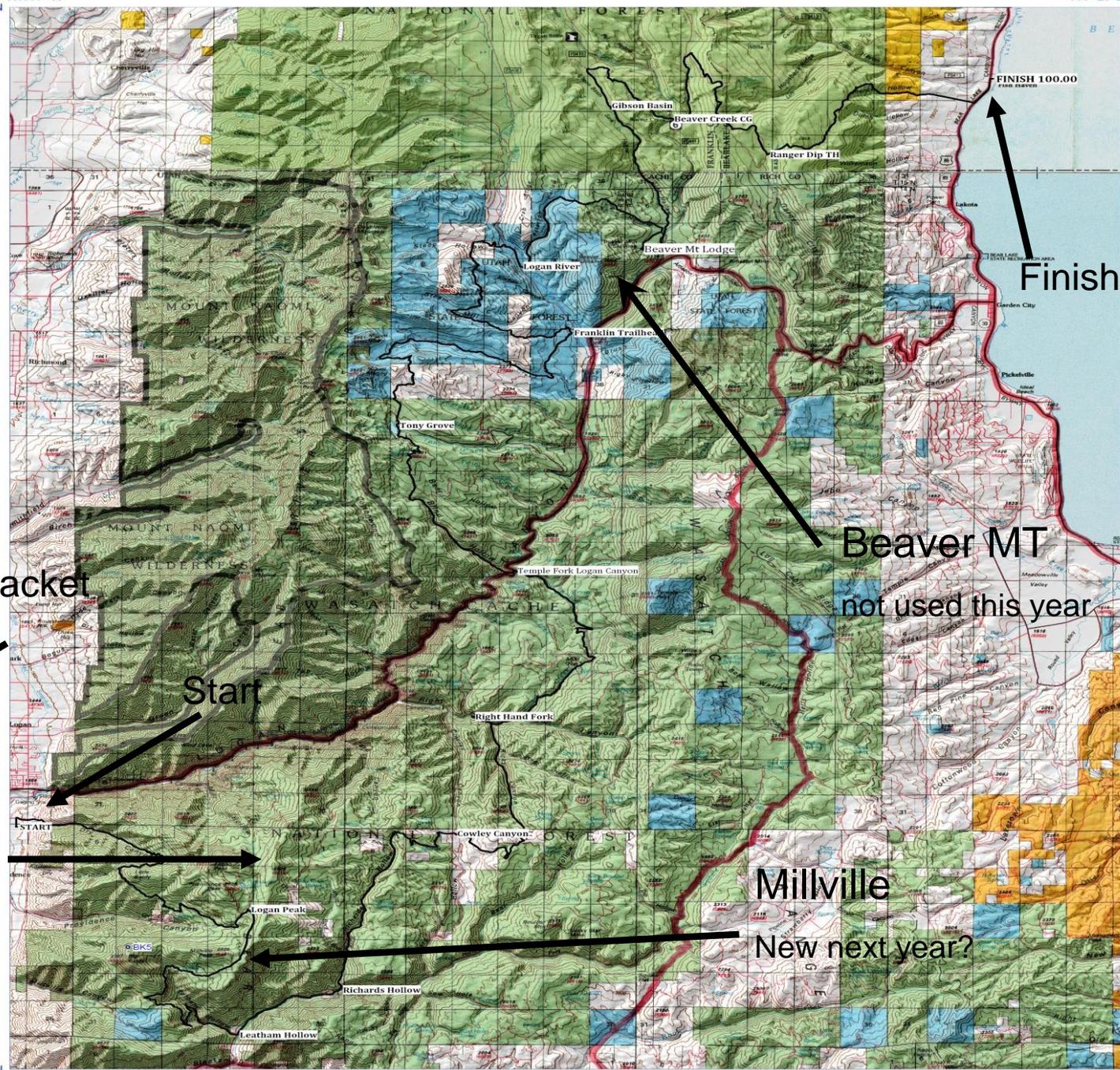
- ▣ Aid Stations Using Computers 13 + Finish Line
- ▣ Aid Stations using Packet - 10
 - 1, 3, 4, 5, 6, 7, 8, 9, 10, 13
- ▣ Connect Requests = 188
- ▣ Activity Time Out = 35
- ▣ Successful Sent Files = 54



Packet Node Locations

BK1
111° 43' 19.896" W
42° 3' 58.296" N

111° 20' 24.892" W
42° 4' 6.658" N



RMS Packet Server

Start

Logan Peak

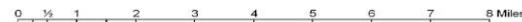
Beaver MT
not used this year

Millville
New next year?

Finish

41° 37' 41.877" N
111° 48' 0.188" W

111° 20' 16.566" W
BK2



2014 Packet/RMS Statistics

- ▣ Time to send DNS/DNF .cvs 1:11
- ▣ Time to send DNS/DNF .xls 3:12
- ▣ Time to send Aid1 Final 1:03

These were one hop test. Through a digipeater (not direct) would probably double the time.

- ▣ Most connects took 2 – 4 minuets
- ▣ Aid Station 3 used pure packet. Took 8 – 9 minuets per file
- ▣ RMS Express packet compression does work.

Online Data Entry

Event

**Bear 100 2014
Webcast**

Race Clock

Elapsed Time

36:00:00

Clock Time

13:52:29

Checkpoint

Select a checkpoint...

Earliest Time In: ---:--
Cutoff Time: ---:--

Time Input Mode i

- Clock Time
 Elapsed Time

Status Mode i

- Time In
 Time Out
 DNS

Race Day
(Day 2 is midnight after start)

Day 1 ▼

Set all times the same

Data Status

OK: 0

Error: 0

2014 Runner Report Form

User: --Data Admin--

Logout

Process Data

Reset Form

Bulk

Single

On Course

Help

Line	Bib#	Time	Runner Status	Race Day	Update Message
1			IN: Time In ▼	Day 1 ▼	
2			IN: Time In ▼	Day 1 ▼	
3			IN: Time In ▼	Day 1 ▼	
4			IN: Time In ▼	Day 1 ▼	
5			IN: Time In ▼	Day 1 ▼	
6			IN: Time In ▼	Day 1 ▼	
7			IN: Time In ▼	Day 1 ▼	
8			IN: Time In ▼	Day 1 ▼	
9			IN: Time In ▼	Day 1 ▼	
10			IN: Time In ▼	Day 1 ▼	
11			IN: Time In ▼	Day 1 ▼	
12			IN: Time In ▼	Day 1 ▼	
13			IN: Time In ▼	Day 1 ▼	
14			IN: Time In ▼	Day 1 ▼	
15			IN: Time In ▼	Day 1 ▼	
16			IN: Time In ▼	Day 1 ▼	
17			IN: Time In ▼	Day 1 ▼	
18			IN: Time In ▼	Day 1 ▼	
19			IN: Time In ▼	Day 1 ▼	
20			IN: Time In ▼	Day 1 ▼	

IP: 198.185.10.2

Browser: Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/37.0.2062.124 Safari/537.36

Online Look-Up



Bear 100 2014 Webcast
September 26-27, 2014

Elapsed Time:

35:00:00

Runner:

Race Information		<< Return Station Detail								
Overall Leaders		Place	Bib No	Name	Status	Time In	Time Out	Elapsed	Gender	Age
Top Men		1	168	Brian Peterson	Finished	00:59am	----	18:59:24	M	32
Top Women		2	284	Luke Nelson	Finished	01:51am	----	19:51:21	M	34
By Checkpoint		3	121	Jason Koop	Finished	02:06am	----	20:06:58	M	35
My Favorites		4	260	Pierre Loic Deragne	Finished	02:32am	----	20:32:18	M	45
Starters		5	265	Jeason Murphy	Finished	02:42am	----	20:42:22	M	34
Finishers		6	278	Anna Frost	Finished	02:59am	----	20:59:24	F	32
Drops		7	36	Dustin Simoens	Finished	03:47am	----	21:47:46	M	26
		8	178	Gabe Joyes	Finished	04:08am	----	22:08:56	M	28
		9	173	Clay Warner	Finished	04:11am	----	22:11:51	M	31
		10	263	Elliott Barcikowski	Finished	04:50am	----	22:50:14	M	34
		11	203	John Fitzgerald	Finished	04:50am	----	22:50:43	M	27
		12	256	Ted Mahon	Finished	04:52am	----	22:52:07	M	42
		13	193	George's Dad	Finished	05:10am	----	23:10:34	M	36
		14	237	Gary Davis	Finished	05:28am	----	23:28:26	M	40
		15	112	Jeff Rome	Finished	05:34am	----	23:34:39	M	25
		16	305	Shane Martin	Finished	05:34am	----	23:34:39	M	47
		17	275	Phillip Lowry	Finished	05:55am	----	23:55:59	M	48
		18	86	Sebastien Welterlin	Finished	06:03am	----	24:03:26	M	36
		19	171	Paul Monaco	Finished	06:10am	----	24:10:20	M	39
		20	208	Jason Eichhorst	Finished	06:13am	----	24:13:46	M	38
		21	297	Matt Schrier	Finished	06:23am	----	24:23:00	M	41
		22	292	Kevin Shilling	Finished	06:28am	----	24:28:30	M	46
		23	216	Curtis Adams	Finished	06:37am	----	24:37:08	M	32
		24	31	Judd Haaland	Finished	06:42am	----	24:42:00	M	49
		25	20	Sarah Vlach	Finished	06:47am	----	24:47:32	F	43
		26	302	Ian Farris	Finished	07:06am	----	25:06:59	M	32
		27	62	Adam Takacs	Finished	07:29am	----	25:29:02	M	34
		28	290	Petra Mcdowell	Finished	07:45am	----	25:45:51	F	42
		29	289	Garrett Smith	Finished	07:49am	----	25:49:52	M	34
		30	262	Spencer Weiler	Finished	07:55am	----	25:55:28	M	29
		31	63	Amber Monforte	Finished	08:14am	----	26:14:35	F	36
		32	230	Michael Mcknight	Finished	08:19am	----	26:19:40	M	24
		33	232	Derek Call	Finished	08:39am	----	26:39:49	M	37
		34	2	Richard Kresser	Finished	08:39am	----	26:39:51	M	28
		35	124	Ashley Maudsley	Finished	08:40am	----	26:40:14	F	32
		36	197	Pablo Garcia	Finished	08:42am	----	26:42:26	M	31
		37	81	Amie Blackham	Finished	08:44am	----	26:44:12	F	35
		38	78	Seth Hales	Finished	08:44am	----	26:44:12	M	30
		39	277	Erik Syrstad	Finished	08:59am	----	26:59:14	M	36
		40	199	Anthony Garber	Finished	09:19am	----	27:19:57	M	51
		41	283	Tony Henderson	Finished	09:33am	----	27:33:36	M	36
		42	129	Jonathan Stuart	Finished	09:36am	----	27:36:33	M	31
		43	116	Cody Reeder	Finished	09:47am	----	27:47:57	M	44
		44	98	Kyle Markisich	Finished	09:50am	----	27:50:45	M	30
		45	77	Jessica Laroche	Finished	09:56am	----	27:56:47	F	35
		46	221	Erich Owen	Finished	10:02am	----	28:02:46	M	41
		47	240	Don Hantla	Finished	10:04am	----	28:04:49	M	28
		48	299	Bruce Godderidge	Finished	10:07am	----	28:07:06	M	56
		49	39	Jon Webb	Finished	10:09am	----	28:09:22	M	40
		50	238	Brian Hamos	Finished	10:19am	----	28:19:15	M	51
		51	236	Drew Maloney	Finished	10:19am	----	28:19:15	M	41

DNS/DNF List

2014 Bear 100 DNS (did not start) DNF (did not finish) and Latest Info													
		System time:		10/29/2014 13:45:51									
DNS					DNF					Add More Rows As Necessary			
Line#	Bib #	First Name	Last Name	Sex	Line#	Bib #	First Name	Last Name	Sex	DNF Type	DNF Location	Time	Notes
1	14	Chris	Mead	M	1	4	Thim	Shea	M		Aid 6	2149	
2	27	Mark	Tichinel	M	2	9	Scott	Kummer	M		Aid 6	2219	
3	29	Jason	Carpenter	M	3	11	Dale	Cougot	M		Aid 12	1228	
4	32	Robert	Villani	M	4	12	Peter	Bray	M		Aid13	1352	
5	34	Paul	Smith	M	5	15	Brody	Welch	M		Aid 7	0027	
6	42	Victoria	Funk	F	6	16	Daniel	Kefford	M		Aid 12	220	
7	47	Betsy	Romney	F	7	19	Tom	Dmukauskas	M		Aid 7	1707	
8	57	Chelsey	Anderson	F	8	23	Hayley	Pollack	F		Aid 6	2219	
9	59	Jason	Thompson	M	9	25	Christian	Sorenson	M		Aid 11	641	Headed to 12
10	68	Linda	Mcfadden	F	10	30	Matthew	Hintzman	M		Aid 12	649	
11	71	Jeff	Pflueger	M	11	37	Linh	Shark	F		Aid13	1649	
12	79	Elizabeth	Desser	F	12	45	Kelly	Agnew	M		Aid 5	15:25:00	
13	88	James	Litchfield	M	13	48	Ben	Fletcher	M		Aid 8	209	
14	89	Donna	Braswell	F	14	51	Jason	Davis	M		aid 7	2219	
15	94	Erin	Euston	F	15	54	Brian	Mcneill	M		Aid 10	906	
16	95	Rob	Cook	M	16	60	Sean	Doran	M		Aid 6	1759	
17	101	Jim	Williamson	M	17	61	Drew	Meyer	M		Aid 9	706	
18	106	Robert	Youngman	M	18	64	Dave	Kannus	M		Aid 13	1354	

Bear 100 Data Entry & Transfer

- ▣ Because installation and usage of Winlink/RMS Express is fairly well known and fairly extensive we will not cover this in this session.
- ▣ We will cover how to use the Data Entry Software and get the Data base file and send it via RF (Winlink RMS Express).

Runner Time Entry

- ▣ Software Time Entry.
 - Bear100win-v5.exe
 - ▣ Authors Cordell Smart KE7IK, Andrew Smart.



Runner Time Entry

- Start the exe.

BEAR 100 Race

File Settings Tools Help

No Aid Station Set

11:27:06 28 Oct

AGWPE Access
Your Callsign:
Connection: **Disconnected**

DB_Station Access
DB_Station Callsign:
Connection: **Disconnected**

IN
Enter Racer #:

Enter

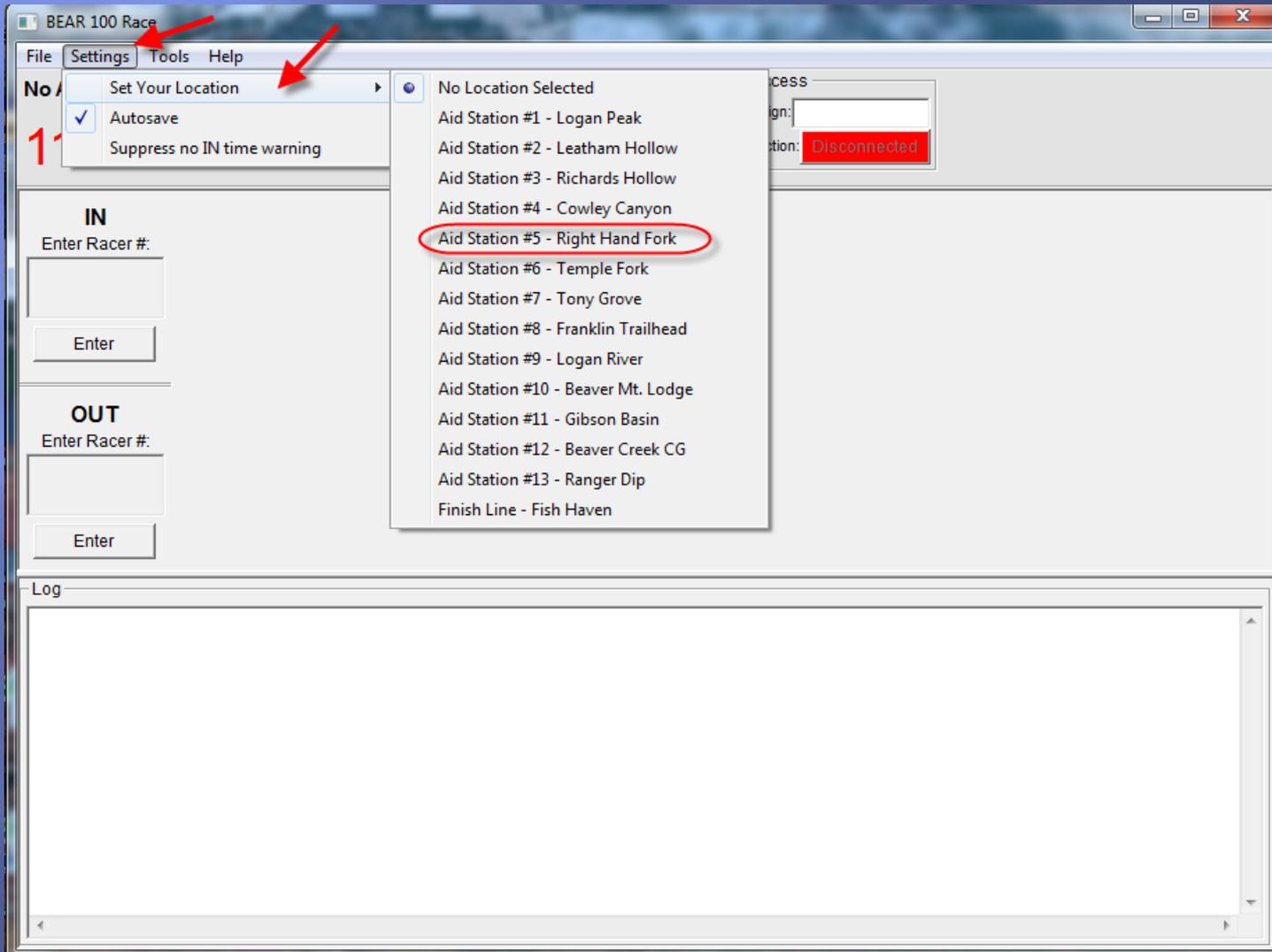
OUT
Enter Racer #:

Enter

Log

Runner Time Entry

- Pick the Aid Station Location.



Runner Time Entry

BEAR 100 Race

File Settings Tools Help

Aid Station #5 - Right Hand Fork

11:35:29 28 Oct

~~AGWPE Access DB_Station Access~~
~~Your Callsign: DB_Station Callsign:~~
~~Connection: Disconnected Connection: Disconnected~~

Future Implementation

IN	Sequence	X	Runner#	In Time	Out Time	Notes
Enter Racer #:	21		258	13:04:23 26 Sep	13:06:45 26 Sep	
456	20		297	13:04:15 26 Sep	13:04:15 26 Sep	
Enter	19		206	13:04:04 26 Sep	13:26:41 26 Sep	Did not see him leave
	18		269	13:03:45 26 Sep	13:03:45 26 Sep	
	17				13:05:55 26 Sep	
	16				12:55:45 26 Sep	
	15				12:54:31 26 Sep	
OUT	14		119	12:52:03 26 Sep	12:55:16 26 Sep	Prev. OUT: 12:54:52 26 Sep.
Enter Racer #:	13		278	12:52:57 26 Sep	13:02:12 26 Sep	Prev. IN: 12:52:01 26 Sep.
	12		120	12:39:55 26 Sep	12:43:19 26 Sep	
Enter	11		103	12:38:50 26 Sep	DNF	
	10				12:41:00 26 Sep	
	9				12:40:54 26 Sep	
	8				12:30:17 26 Sep	
	7		121	12:27:30 26 Sep	12:27:30 26 Sep	
	6		266	12:24:36 26 Sep	15:07:51 26 Sep	Prev. OUT: 12:26:57 26 Sep.
	5		168	12:20:38 26 Sep	12:21:25 26 Sep	
	4		212	12:20:24 26 Sep	12:22:27 26 Sep	
	3		275	12:20:21 26 Sep	12:25:01 26 Sep	
	2		284	12:10:30 26 Sep	12:20:02 26 Sep	
	1		260	12:09:06 26 Sep	12:12:13 26 Sep	

Log

Data Entry "IN"

Data Entry "OUT"

Runner Time Entry

1. Several ways to enter it to Data Base with times.
2. For IN with number in the IN Box hit the Enter Box below, or hit the + Key.

The screenshot shows the 'BEAR 100 Race' application window. At the top, it displays 'Aid Station #5 - Right Hand Fork' and a large red digital clock showing '11:47:59 28 Oct'. Below the clock are fields for 'AGWPE Access' and 'DB_Station Access', both showing 'Disconnected' in red. The main area is a table with columns: 'IN', 'Sequence', 'X', 'Runner#', 'In Time', 'Out Time', and 'Notes'. The 'IN' column has a sub-section 'Enter Racer #' with the number '456' entered and an 'Enter' button circled in red. A blue callout box with the text 'Or " + " Key' points to the 'Enter' button and the '456' entry. A red arrow points from the '456' entry to the 'In Time' column of the table. The table contains the following data:

IN	Sequence	X	Runner#	In Time	Out Time	Notes
Enter Racer #:	262		456	11:47:29 28 Oct		
456	261		82	17:50:40 26 Sep	18:03:43 26 Sep	
Enter	260		15	17:49:32 26 Sep	18:26:55 26 Sep	
	259		184	17:34:29 26 Sep	17:45:57 26 Sep	
	258		177	17:34:25 26 Sep	17:45:55 26 Sep	
	257			17:34:25 26 Sep	17:45:50 26 Sep	
	256			17:34:25 26 Sep	17:45:21 26 Sep	
	255			17:34:25 26 Sep	17:45:28 26 Sep	
	254			17:34:25 26 Sep	17:45:52 26 Sep	
	253		198	17:28:04 26 Sep	17:52:21 26 Sep	
	252		192	17:27:14 26 Sep	17:52:18 26 Sep	
	251		126	17:22:32 26 Sep	17:28:35 26 Sep	
	250		201	17:22:25 26 Sep	DNF	
	249		295	17:14:50 26 Sep	17:22:39 26 Sep	
	248		257	17:14:46 26 Sep	17:23	
	247		147	17:14:44 26 Sep	17:32:25 26 Sep	
	246		94		17:10:52 26 Sep	
	245		150	17:08:20 26 Sep	17:11:23 26 Sep	
	244		130	17:08:01 26 Sep	17:26	
	243		128	17:07:56 26 Sep	17:26	
	242		127	17:07:53 26 Sep	17:26	
	241		234	17:03:28 26 Sep	17:12:42 26 Sep	

At the bottom of the window is a 'Log' section with an empty text area.

Runner Time Entry

1. For OUT with the runner number in the OUT Box hit the Enter Box Below, or hit the - Key.

The screenshot shows the 'BEAR 100 Race' software interface. At the top, there is a menu bar with 'File', 'Settings', 'Tools', and 'Help'. Below the menu bar, the title 'Aid Station #5 - Right Hand Fork' is displayed. To the right of the title, there are two sections for access: 'AGWPE Access' and 'DB_Station Access'. Both sections have a 'Your Callsign:' field and a 'Connection:' field, both of which are currently 'Disconnected'. A large red digital clock displays '11:53:44 28 Oct'.

The main part of the interface is a table with the following columns: 'IN', 'Sequence', 'X', 'Runner#', 'In Time', 'Out Time', and 'Notes'. The 'IN' column has an 'Enter Racer #' field and an 'Enter' button. The 'OUT' column has an 'Enter Racer #' field containing the number '456' and an 'Enter' button. A blue callout box with the text 'Or " - " Key' points to the 'Enter' button in the 'OUT' section. A red arrow points from the 'Enter' button in the 'OUT' section to the 'Out Time' column of the table.

IN	Sequence	X	Runner#	In Time	Out Time	Notes
Enter Racer #:	262		456	11:47:29 28 Oct	11:52:11 28 Oct	
<input type="text"/>	261		82	17:50:40 26 Sep	18:03:26 26 Sep	
<input type="button" value="Enter"/>	260		15	17:49:32 26 Sep	18:26:55 26 Sep	
	259		184	17:34:29 26 Sep	17:45:57 26 Sep	
	258		177	17:34:26 26 Sep	17:45:55 26 Sep	
	257		36	17:31:32 26 Sep	17:34:50 26 Sep	
	256		37	17:31:23 26 Sep	17:34:21 26 Sep	
OUT	255		162	17:28:58 26 Sep	17:32:28 26 Sep	
Enter Racer #:	254		99	17:28:13 26 Sep	17:48:52 26 Sep	
456	253		198	17:28:04 26 Sep	17:52:21 26 Sep	
<input type="button" value="Enter"/>	252		192	17:27:14 26 Sep	17:52:18 26 Sep	
	251		126	17:22:32 26 Sep	17:28:35 26 Sep	
	250		204	17:22:25 26 Sep	DNF	
	249				17:39 26 Sep	
	248					
	247				17:25 26 Sep	
	246		94		17:10:52 26 Sep	
	245		150	17:08:20 26 Sep	17:11:23 26 Sep	
	244		130	17:08:01 26 Sep	1726	
	243		128	17:07:56 26 Sep	1726	
	242		127	17:07:53 26 Sep	1726	
	241		234	17:03:28 26 Sep	17:12:42 26 Sep	

Log

Runner Time Entry

1. For IN & OUT put the runner Number in either box and hit “/” key.

The screenshot shows the 'BEAR 100 Race' software interface. At the top, there is a menu bar with 'File', 'Settings', 'Tools', and 'Help'. Below the menu bar, the title 'Aid Station #5 - Right Hand Fork' is displayed. To the right of the title, there are two sections: 'AGWPE Access' and 'DB_Station Access'. Both sections have a 'Your Callsign:' field and a 'Connection:' field, both of which are 'Disconnected'. The main area of the interface is a table with columns: 'IN', 'Sequence', 'X', 'Runner#', 'In Time', 'Out Time', and 'Notes'. The 'IN' column has an 'Enter Racer #' field with an empty input box circled in red. The 'OUT' column has an 'Enter Racer #' field with the number '456' entered and circled in red. A blue callout box points to the '456' with the text 'Runner # in Either Box Then Hit "/>

IN	Sequence	X	Runner#	In Time	Out Time	Notes
Enter Racer #:	262		456	11:47:29 28 Oct	11:52:11 28 Oct	
	261		82	17:50:40 26 Sep	18:03:43 26 Sep	
	260		15	17:49:32 26 Sep	18:26:55 26 Sep	
	259		184	17:34:29 26 Sep	17:45:57 26 Sep	
	258		177	17:34:26 26 Sep	17:45:55 26 Sep	
	257		36	17:31:32 26 Sep	17:34:50 26 Sep	
	256		37			
	255		191			
	254		99			
	253		198			
	252		192			
	251		126	17:22:32 26 Sep	17:28:35 26 Sep	
	250		201	17:22:25 26 Sep	DNF	
	249		295	17:14:50 26 Sep	17:22:39 26 Sep	
	248		257	17:14:46 26 Sep	1723	
	247		147	17:14:44 26 Sep	17:32:25 26 Sep	
	246		94		17:10:52 26 Sep	
	245		150	17:08:20 26 Sep	17:11:23 26 Sep	
	244		130	17:08:01 26 Sep	1726	
	243		128	17:07:56 26 Sep	1726	
	242		127	17:07:53 26 Sep	1726	
	241		234	17:03:28 26 Sep	17:12:42 26 Sep	

Keyboard Shortcuts

- ▣ Numeric key " + " adds the IN Time for the runner.
- ▣ Numeric key " - " adds the OUT Time for the runner.
- ▣ Numeric key " / " adds the same time to the IN & OUT Time for the runner.

Attaching a number pad either USB or wireless will greatly enhance data entry!

RFID

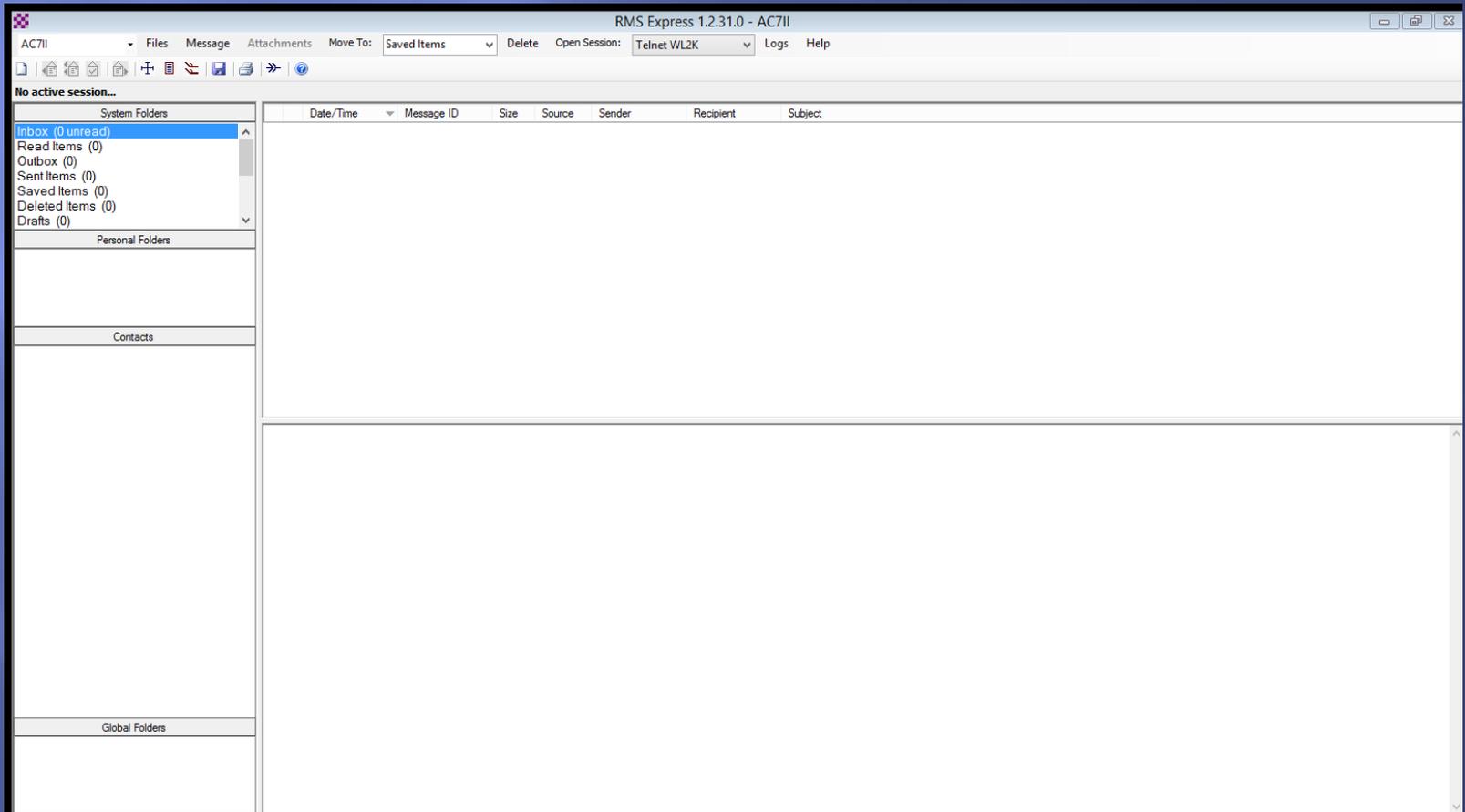


Getting Data file to send

1. Periodically send a file to keep the Master Database fairly up-to-date
2. Open the Data file It is in the folder that the exe. On my computer C:/Bear100app-V5/Backup.csv
3. Open it with Excel
4. Do a Save As with name you will remember and tells you what data is there. Like the Sequence Number so you know were you are.

Sending file to Net Control

1. Software Packet delivery of Data file.
 - RMS Express. Authors Winlink Development Team.
2. Start RMS Express.



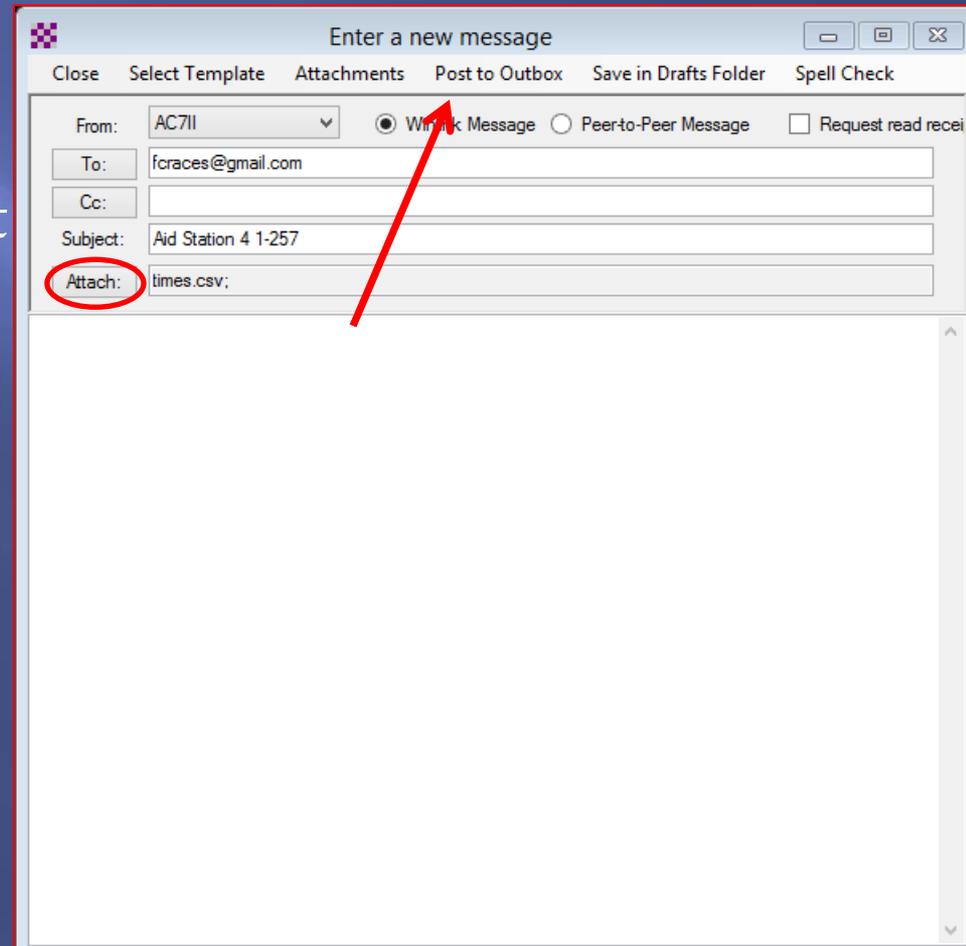
Sending file to Net Control

1. Open up the Message Window.



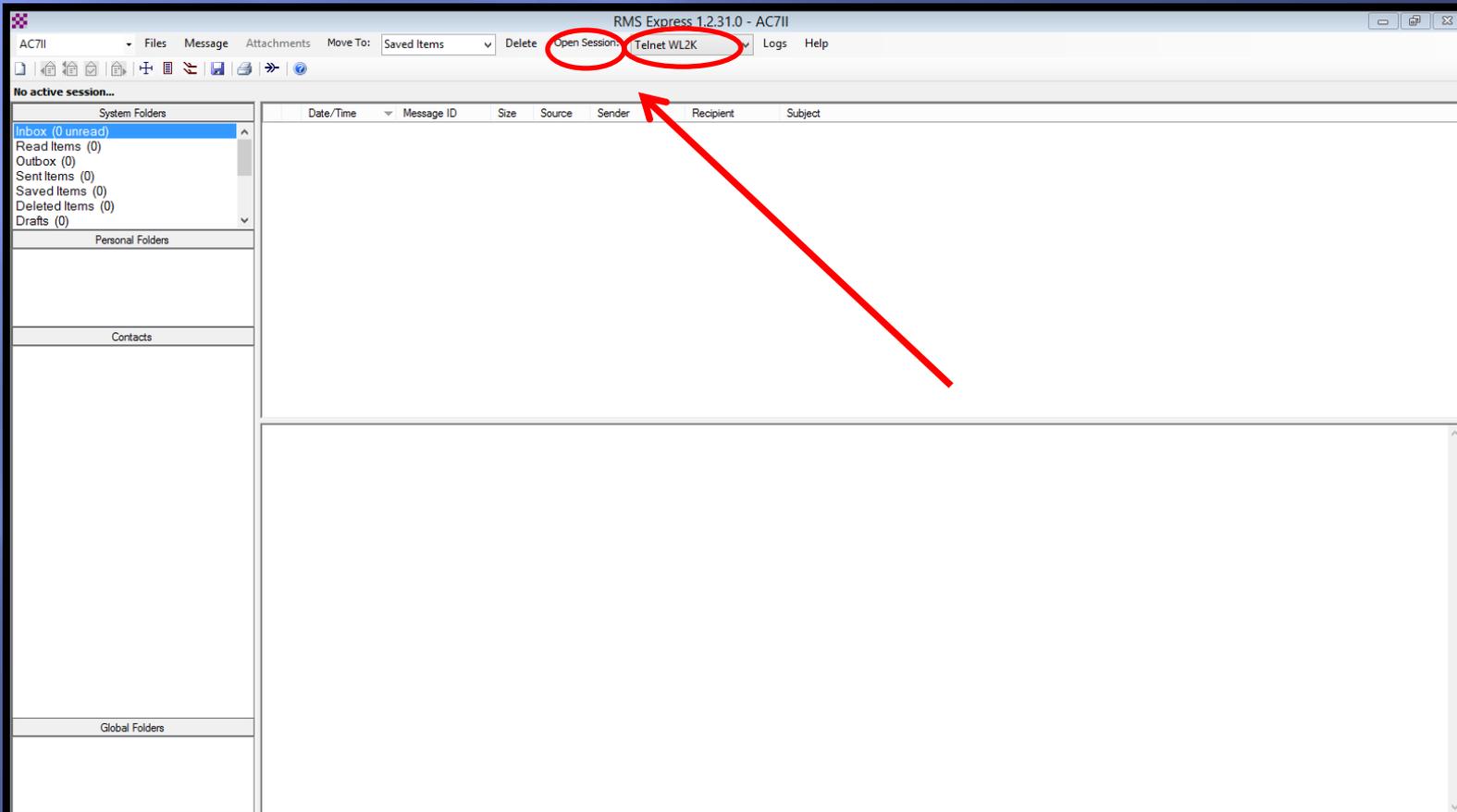
Sending file to Net Control

- To: someone@gmail.com
- Subject: Aid Sta # and Seq #
- Attach: Find the File that you created and attach
- Then Click on Post to Out Box



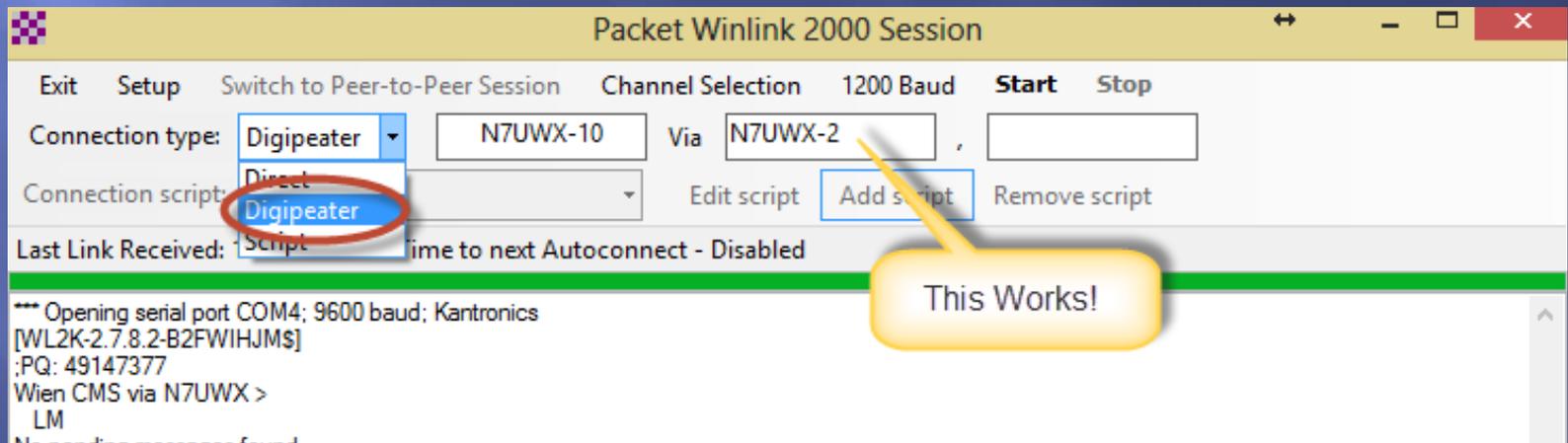
Sending file to Net Control

1. Select proper transmission Telnet WL2K, Packet WL2K or WINMOR WL2K
2. Open up the Open Session Window.



Sending file to Net Control

1. Select Digipeater
2. Use N7UWX-10 via N7UWX-2 this will Digipeat thru Mt Logan (N7UWX-2) then connect to The Sheriffs Office (N7UWX-10)
3. Then Click Start. This should send the File that you put n the Outbox.



Net Control Receiving file

1. Once Net Control Receives File from the **somone@gmail.com** they need to adjust the format to see all the data they want.
2. Most of the Aid Station can use the Excel file as is just by doing what is shown on the next Slide

Net Control Receiving file

- ▣ The time for the Finish line requires to be to the second. The info is in all of the data that is sent but Excel doesn't show it until you follow the next steps.
- ▣ Again you only have to do this for the Finish line Data

Net Control Receiving file

Select Tab Number

The screenshot shows a Microsoft Excel spreadsheet with a data table and the 'Format Cells' dialog box open. The data table has columns for 'Sequence', 'Runner#', 'In Time', and 'Out Time'. The 'Format Cells' dialog box is set to the 'Number' category, and the 'Number' tab is selected. The 'Number' category is circled in red.

Sequence	Runner#	In Time	Out Time
1	838	9/28/2014 8:24	9/28/2014 8:24
2	724	9/28/2014 8:25	9/28/2014 8:25
3	712	9/28/2014 8:25	9/28/2014 8:25
4	600	9/28/2014 8:26	9/28/2014 8:26
5	599	9/28/2014 8:26	9/28/2014 8:26
6	821	9/28/2014 8:26	9/28/2014 8:26
7	662	9/28/2014 8:26	9/28/2014 8:26
8	705	9/28/2014 8:26	9/28/2014 8:26
9	677	9/28/2014 8:26	9/28/2014 8:26
10	825	9/28/2014 8:26	9/28/2014 8:26
11	688	9/28/2014 8:29	9/28/2014 8:29
12	680	9/28/2014 8:29	9/28/2014 8:29
13	759	9/28/2014 8:29	9/28/2014 8:29
14	750	9/28/2014 8:29	9/28/2014 8:29
15	835	9/28/2014 8:29	9/28/2014 8:29
16	747	9/28/2014 8:29	9/28/2014 8:29
17	608	9/28/2014 8:29	9/28/2014 8:29
18	590	9/28/2014 8:29	9/28/2014 8:29
19	834	9/28/2014 8:29	9/28/2014 8:29
20	812	9/28/2014 8:29	9/28/2014 8:29
21	672	9/28/2014 8:30	9/28/2014 8:30
22	632	9/28/2014 8:30	9/28/2014 8:30
23	764	9/28/2014 8:30	9/28/2014 8:30
24	685	9/28/2014 8:30	9/28/2014 8:30
25	629	9/28/2014 8:30	9/28/2014 8:30
26	630	9/28/2014 8:30	9/28/2014 8:30
27	732	9/28/2014 8:31	9/28/2014 8:31
28	777	9/28/2014 8:31	9/28/2014 8:31
29	710	9/28/2014 8:31	9/28/2014 8:31
30	814	9/28/2014 8:32	9/28/2014 8:32
31	813	9/28/2014 8:32	9/28/2014 8:32
32	700	9/28/2014 8:32	9/28/2014 8:32

Format Cells dialog box (Number tab):

- Category: Number
- Sample: General format cells have no specific number format.
- Buttons: OK, Cancel

Net Control Receiving file

Select the Category Custom

The screenshot shows the Microsoft Excel interface with the 'Format Cells' dialog box open. The 'Custom' category is selected in the 'Category' list, which is circled in red. The 'Type' field contains the format code: `_(($* #,##0.);_($* (#,##0);_($* "-");_(@_))_($* #,##0.);_($* (#,##0);_($* "-");_(@_))`. The background spreadsheet shows a table with columns for 'BEAR 100', 'Aid Station', 'All times', 'based off of the system they were', and 'recorded on.'.

BEAR 100	Aid Station	All times	based off of the system they were	recorded on.
X	Sequence	Runner#	n Time	Out Time
	1	838	9/28/2014 8:24	9/28/2014 8:24
	2	724	9/28/2014 8:25	9/28/2014 8:25
	3	712	9/28/2014 8:25	9/28/2014 8:25
	4	600	9/28/2014 8:26	9/28/2014 8:26
	5	599	9/28/2014 8:26	9/28/2014 8:26
	6	821	9/28/2014 8:26	9/28/2014 8:26
	7	662	9/28/2014 8:26	9/28/2014 8:26
	8	705	9/28/2014 8:26	9/28/2014 8:26
	9	677	9/28/2014 8:26	9/28/2014 8:26
	10	825	9/28/2014 8:26	9/28/2014 8:26
	11	688	9/28/2014 8:29	9/28/2014 8:29
	12	680	9/28/2014 8:29	9/28/2014 8:29
	13	759	9/28/2014 8:29	9/28/2014 8:29
	14	750	9/28/2014 8:29	9/28/2014 8:29
	15	835	9/28/2014 8:29	9/28/2014 8:29
	16	747	9/28/2014 8:29	9/28/2014 8:29
	17	608	9/28/2014 8:29	9/28/2014 8:29
	18	590	9/28/2014 8:29	9/28/2014 8:29
	19	834	9/28/2014 8:29	9/28/2014 8:30
	20	812	9/28/2014 8:29	9/28/2014 8:29
	21	672	9/28/2014 8:30	9/28/2014 8:30
	22	632	9/28/2014 8:30	9/28/2014 8:30
	23	764	9/28/2014 8:30	9/28/2014 8:30
	24	685	9/28/2014 8:30	9/28/2014 8:30
	25	629	9/28/2014 8:30	9/28/2014 8:30
	26	630	9/28/2014 8:30	9/28/2014 8:30
	27	732	9/28/2014 8:31	9/28/2014 8:31
	28	777	9/28/2014 8:31	9/28/2014 8:31
	29	710	9/28/2014 8:31	9/28/2014 8:31
	30	814	9/28/2014 8:32	9/28/2014 8:32
	31	813	9/28/2014 8:32	9/28/2014 8:32
	32	700	9/28/2014 8:32	9/28/2014 8:32

Net Control Receiving file

Select Type m/d/yyyy h:mm

The screenshot shows the 'Format Cells' dialog box in Microsoft Excel. The 'Custom' category is selected, and the format code 'm/d/yyyy h:mm' is highlighted in the 'Type' list. The background shows an Excel spreadsheet with columns for 'Sequence', 'Runner#', 'In Time', and 'Out Time'.

Sequence	Runner#	In Time	Out Time
1	838	9/28/2014 8:24	9/28/2014 8:24
2	724	9/28/2014 8:25	9/28/2014 8:25
3	712	9/28/2014 8:25	9/28/2014 8:25
4	600	9/28/2014 8:26	9/28/2014 8:26
5	599	9/28/2014 8:26	9/28/2014 8:26
6	821	9/28/2014 8:26	9/28/2014 8:26
7	662	9/28/2014 8:26	9/28/2014 8:26
8	705	9/28/2014 8:26	9/28/2014 8:26
9	677	9/28/2014 8:26	9/28/2014 8:26
10	825	9/28/2014 8:26	9/28/2014 8:26
11	688	9/28/2014 8:29	9/28/2014 8:29
12	680	9/28/2014 8:29	9/28/2014 8:29
13	759	9/28/2014 8:29	9/28/2014 8:29
14	750	9/28/2014 8:29	9/28/2014 8:29
15	835	9/28/2014 8:29	9/28/2014 8:29
16	747	9/28/2014 8:29	9/28/2014 8:29
17	608	9/28/2014 8:29	9/28/2014 8:29
18	590	9/28/2014 8:29	9/28/2014 8:29
19	834	9/28/2014 8:29	9/28/2014 8:29
20	812	9/28/2014 8:29	9/28/2014 8:29
21	672	9/28/2014 8:30	9/28/2014 8:30
22	632	9/28/2014 8:30	9/28/2014 8:30
23	764	9/28/2014 8:30	9/28/2014 8:30
24	685	9/28/2014 8:30	9/28/2014 8:30
25	629	9/28/2014 8:30	9/28/2014 8:30
26	630	9/28/2014 8:30	9/28/2014 8:30
27	732	9/28/2014 8:31	9/28/2014 8:31
28	777	9/28/2014 8:31	9/28/2014 8:31
29	710	9/28/2014 8:31	9/28/2014 8:31
30	814	9/28/2014 8:32	9/28/2014 8:32
31	813	9/28/2014 8:32	9/28/2014 8:32
32	700	9/28/2014 8:32	9/28/2014 8:32

Net Control Receiving file

Add :ss to the end of m/d/yyyy h:mm so it reads m/d/yyyy h:mm:ss, then Click OK

The screenshot shows the 'Format Cells' dialog box in Microsoft Excel. The 'Custom' category is selected in the left-hand list. In the 'Type' field, the format code 'm/d/yyyy h:mm:ss' is entered and circled in red. The background spreadsheet shows a table with columns for 'Sequence', 'Runner#', 'In Time', and 'Out Time'.

Sequence	Runner#	In Time	Out Time
1	838	9/28/2014 8:24	9/28/2014 8:24
2	724	9/28/2014 8:25	9/28/2014 8:25
3	712	9/28/2014 8:25	9/28/2014 8:25
4	600	9/28/2014 8:26	9/28/2014 8:26
5	599	9/28/2014 8:26	9/28/2014 8:26
6	821	9/28/2014 8:26	9/28/2014 8:26
7	662	9/28/2014 8:26	9/28/2014 8:26
8	705	9/28/2014 8:26	9/28/2014 8:26
9	677	9/28/2014 8:26	9/28/2014 8:26
10	825	9/28/2014 8:26	9/28/2014 8:26
11	688	9/28/2014 8:29	9/28/2014 8:29
12	680	9/28/2014 8:29	9/28/2014 8:29
13	759	9/28/2014 8:29	9/28/2014 8:29
14	750	9/28/2014 8:29	9/28/2014 8:29
15	835	9/28/2014 8:29	9/28/2014 8:29
16	747	9/28/2014 8:29	9/28/2014 8:29
17	608	9/28/2014 8:29	9/28/2014 8:29
18	590	9/28/2014 8:29	9/28/2014 8:29
19	834	9/28/2014 8:29	9/28/2014 8:29
20	812	9/28/2014 8:29	9/28/2014 8:29
21	672	9/28/2014 8:30	9/28/2014 8:30
22	632	9/28/2014 8:30	9/28/2014 8:30
23	764	9/28/2014 8:30	9/28/2014 8:30
24	685	9/28/2014 8:30	9/28/2014 8:30
25	629	9/28/2014 8:30	9/28/2014 8:30
26	630	9/28/2014 8:30	9/28/2014 8:30
27	732	9/28/2014 8:31	9/28/2014 8:31
28	777	9/28/2014 8:31	9/28/2014 8:31
29	710	9/28/2014 8:31	9/28/2014 8:31
30	814	9/28/2014 8:32	9/28/2014 8:32
31	813	9/28/2014 8:32	9/28/2014 8:32
32	700	9/28/2014 8:32	9/28/2014 8:32

Net Control Receiving file

Now you will see the time all the way to seconds.

The screenshot shows a Microsoft Excel spreadsheet with the following data:

Sequence	Runner#	In Time	Out Time	Notes
1	838	9/28/2014 8:24:51	9/28/2014 8:24:51	
2	724	9/28/2014 8:25:24	9/28/2014 8:25:24	
3	712	9/28/2014 8:25:37	9/28/2014 8:25:37	
4	600	9/28/2014 8:26:23	9/28/2014 8:26:23	
5	599	9/28/2014 8:26:27	9/28/2014 8:26:27	
6	821	9/28/2014 8:26:32	9/28/2014 8:26:32	
7	662	9/28/2014 8:26:44	9/28/2014 8:26:44	
8	705	9/28/2014 8:26:49	9/28/2014 8:26:49	
9	677	9/28/2014 8:26:53	9/28/2014 8:26:53	
10	688	9/28/2014 8:29:01	9/28/2014 8:29:01	
11	677	9/28/2014 8:26:52	9/28/2014 8:26:52	
12	825	9/28/2014 8:26:55	9/28/2014 8:26:55	
13	688	9/28/2014 8:29:01	9/28/2014 8:29:01	
14	680	9/28/2014 8:29:05	9/28/2014 8:29:05	
15	759	9/28/2014 8:29:07	9/28/2014 8:29:07	
16	750	9/28/2014 8:29:10	9/28/2014 8:29:10	
17	835	9/28/2014 8:29:31	9/28/2014 8:29:31	
18	747	9/28/2014 8:29:35	9/28/2014 8:29:35	
19	608	9/28/2014 8:29:46	9/28/2014 8:29:46	
20	590	9/28/2014 8:29:48	9/28/2014 8:29:48	
21	834	9/28/2014 8:29:53	9/28/2014 8:29:53	
22	812	9/28/2014 8:29:58	9/28/2014 8:29:58	
23	21	9/28/2014 8:30:24	9/28/2014 8:30:24	
24	632	9/28/2014 8:30:39	9/28/2014 8:30:39	
25	764	9/28/2014 8:30:49	9/28/2014 8:30:49	
26	685	9/28/2014 8:30:51	9/28/2014 8:30:51	
27	629	9/28/2014 8:30:53	9/28/2014 8:30:53	
28	630	9/28/2014 8:30:57	9/28/2014 8:30:57	
29	732	9/28/2014 8:31:00	9/28/2014 8:31:00	
30	777	9/28/2014 8:31:04	9/28/2014 8:31:04	
31	710	9/28/2014 8:31:38	9/28/2014 8:31:38	
32	814	9/28/2014 8:32:11	9/28/2014 8:32:11	
33	813	9/28/2014 8:32:16	9/28/2014 8:32:16	
34	700	9/28/2014 8:32:23	9/28/2014 8:32:23	

Next Year

- ▣ Cordells Bear 100 Software will be automated with packet
- ▣ RFID used to track runners IN/OUT
- ▣ Winlink/RMS Express will be used a back up and maybe to send DNS/DNF and other files
- ▣ More practice sessions sooner
- ▣ Early Testing From Field Locations

Software Sources

- ▣ Winlink Home Page
 - <http://www.winlink.org/>
- ▣ Winlink/RMS Express
 - <http://www.winlink.org/RMSExpress>
- ▣ RMS Express Setup Videos
 - http://www.winlink.org/content/k4ref_how_to_video_series_winlink_rms_express
 - or
 - <http://goo.gl/xQ3A5a>
- ▣ Bear 100win
 - Cordell Smart KE7IK

Questions

