

Utah Digital Communication Conference 2018 Notes

I took notes so you don't have to!

Using FLDigi with PSK31 for Field Day

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The Notes: tinyurl.com/udcc-2018

The Slides: tinyurl.com/udcc-2018-slides

FLDigi

Download <https://sourceforge.net/projects/fldigi/>

Documentation <http://www.w1hkj.com/>

Contesting Docs http://www.w1hkj.com/FLdigiHelp/contest_how_to_page.html

Field Day Server http://www.w1hkj.com/FLdigiHelp/fdserver_page.html

FDClient and FDServer <https://sourceforge.net/projects/fldigi/files/fieldday/>

N3FJP Logging Software

Download <http://www.n3fjp.com/>

Setting up for FD <http://www.n3fjp.com/fieldday.html>

Linking instructions (scroll down the page) <http://www.n3fjp.com/help/digitalsetup.html>

ARRL Field Day

<http://www.arrl.org/field-day>

Youtube Videos

https://www.youtube.com/watch?v=IhpX4Vo_Ng8

Audio Interfaces

Signalink USB <http://www.tigertronics.com/slusbmain.htm>

RIGblaster <http://www.westmountainradio.com/rigblaster.php>

PSK31 Info

<http://www.arrl.org/psk31-spec>

<https://en.wikipedia.org/wiki/PSK31>

Frequencies

Frequency	Amateur Band
1.838 MHz	160 meter
3.580 MHz	80 meter
7.035 MHz*	40 meter (region 3)
7.070 MHz*	40 meter (regions 1,2)
10.142 MHz	30 meter
14.070 MHz	20 meter
18.100 MHz	17 meter
21.070 MHz	15 meter
21.080 MHz	15 meter
24.920 MHz	12 meter
28.120 MHz	10 meter
50.290 MHz	6 meter
144.144 MHz	2 meter
222.07 MHz	1.25 meter
432.2 MHz	70 centimeter
909 MHz	33 centimeter

Running a Frequency Macros

CQ every 5 Seconds

```
<TX>  
cq fd cq fd <MYCALL> <MYCALL>  
cq cq cq fd <MYCALL> <MYCALL> pse k  
<RX>  
<TIMER:05>
```

Answer

```
<TX>  
<CALL> <CALL> pse cpy  
<MYCALL> <MYCALL> <MYCLASS> <MYCLASS> <MYSECTION> <MYSECTION>  
qsl qsl?  
btu de <MYCALL> kn  
<RX>
```

I Copy QSL?

```
<TX>  
<CALL> <CALL>  
i cpy i cpy <FDCLASS> <FDCLASS> <FDSECT> <FDSECT>  
qsl? qsl?  
btu de <MYCALL> kn  
<RX>
```

73 and QRZ

```
<TX>  
tnx tnx 73 73  
qrz fd qrz fd <MYCALL> <MYCALL> pse k  
<RX>
```

Hunt and Peck Macros

Contact

<TX>
<CALL> de <MYCALL> <MYCALL> kn
<RX>

Please Copy QSL?

<TX>
<CALL> pse cpy
<MYCALL> <MYCALL>
<MYCLASS> <MYCLASS>
<MYSECTION> <MYSECTION>
qsl? qsl? btu de <MYCALL> kn
<RX>

I Copied QSL?

<TX>
<CALL> <CALL>
i cpy i cpy <FDCLASS> <FDCLASS> <FDSECT> <FDSECT>
qsl? qsl?
btu de <MYCALL> kn
<RX>

QSL Thanks

<TX>
qsl tnx 73 73 73
<MYCALL> k
<RX>

Other Helper Macros

Again Again? I didn't Copy

```
<TX>  
agn agn agn pse  
agn agn agn pse  
btu de <MYCALL> kn  
<RX>
```

No Copy, Sorry, 73 & QRZ

```
<TX>  
sri no cpy  
sri no cpy  
73 73  
qrz fd qrz fd <MYCALL> pse k  
<RX>
```

Freehand Start TX for QSO (note the spaces after the tx)

```
<TX>
```

Freehand Star RX for QSO (note the spaces before the rx)

```
<RX>
```

Presentation Outline

What is Field Day?

Field Day Modes

Why Digital

Why PSK31

Other Digital Modes

Download FLDigi

Download N3FJP

Hardware Considerations

Dual Monitors/Keyboard/Mouse

CAT Control Cables/Interface

Audio/USB Signalink/Rig Blaster

Logging

ADIF

Internal Log

Fllog

N3FJP

LOTW

eQSL

Phone Logging

Cabrillo Format

Terms to Use

Tip - Lower Case Goes Faster

Where To Go

Workflow

Running a Frequency

Hunt and Peck

Logging the QSO

Opening FLDigi

Setup and Configuration

Using a USB Signalink

Using CAT Control

N3FJP Linking

TX Window

RX Window

Frequency

Waterfall

Left hand Signal Browser

Squelch

Sensitivity

Variables

Macros

