

Glove box Guide for CMRA Operations

Events to Report to NWS

Tornadoes Tornadoes,
Funnel Clouds,
or Rotating Wall Clouds

Hail
Diameter of 1/2" or greater

Thunderstorm
Winds 58 mph or greater; wind
damage to structures, trees uprooted
or large limbs torn off of trees

Flooding
Flooding that covers roads or
low water crossings;
any structural flooding

Heavy Rain
In excess of 1" per hour

Estimating Hail Size

Pea Size	0.50 "
Penny	0.75 "
Nickel	0.88 "
Quarter	1.00 "
Half Dollar	1.25 "
Golf Ball	1.75 "
Tennis Ball	2.50 "
Baseball	2.75 "
Grapefruit	4.00 "
Softball	4.50 "

Estimating Wind Speed

Appearance of Wind Effects

50 - 58 mph Small Branches or Limbs
broken (less than 2" diameter)

58 - 70 mph Large limbs knocked
down, the size of an adult's wrist;
power lines knocked down; a few
house shingles torn off.

70 - 80 mph A few small trees or
shrubs can be uprooted; Very large
branches broken off; Barns may
sustain considerable damage.

> 80 mph Trees may be uprooted or
snapped; power poles snapped or
knocked over; large vehicles can be
blown off the road. Roofs blown off
homes.

Important Phone Numbers

Emergency **911**

**Columbia/Boone County
Law Enforcement** 573-442-6131

**Mo. Highway Patrol
(Emergency Only)** 1-800-525-5555

**Mo. Highway Patrol
(Non-Emergency)** 573-751-1000

**Red Cross - Boone
County Chapter** 573-445-9411

Water Patrol 573-751-3333

**Boone County Animal
Control** 573-449-1888

**Boone Hospital Center
(Emergency Services)**
573-815-3501

**Women & Children's Hospital
(Emergency Services)**
573-875-9400

**University Hospital
(Emergency Center)**
573-882-8091

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Useful Frequencies

Service	Freq (Mhz)
National Calling Freq	146.520
APRS	144.390
CMRA Simplex	146.550
Packet Primary	145.090
Packet Secondary	144.950
Hvtac6	146.505
Hvtac8	147.405
HUtac1	445.900
HUtac8	446.100
MESN-Primary	3.963 (LSB)
MESN-Secondary	7.263 (LSB)
Winlink (K0SI-10) /	145.070
Winlink (KM0R-10) /	145.070
Winlink (K0SI) / (Pactor 1 & 2)	
7.062.9 center freq	
Winlink (K0SI) / (Pactor 3)	
7.105.9 center freq	

NOAA Weather Radio Stations in Missouri

City	Freq in Mhz
Columbia / Fulton	162.400
Jamestown	162.425
Hermitage	162.450
Hannibal	162.475
NOAA-5	162.500
Bourbon	162.525
KC / STL	162.550

Central Missouri Repeaters.

City	Freq / Offset (Tone)
Boonville	147.360+
California	444.625+ (127.3)
Centralia *	443.025+ (77.0)
Centralia	444.8500+ (103.5)
Columbia	146.760- (127.3)
Columbia *	444.425+ (77.0)
Columbia	146.610- (127.3)
Columbia	442.325+ DStar
Foristell *	444.475+ (7.07)
Fulton	147.315+
High Hill *	444.025+ (77.0)
Jefferson City	146.865- (127.3)
Jefferson City	147.000- (127.3)
Jefferson City *	443.175+ (77.0)
Marshall	147.165+ (127.3)
Mexico	147.255+
St. Louis *	443.425+ (77.0)

* W0SMI Link System

Emergency Nets

Net/ Meets	Freq in Mhz
CMRA Net	
2100 Wed.	146.760- (127.3)
BCARES Em. Net	
2000 Thur.	146.610- (127.3)
Mo. Emergency Services Net	
1830 Sun.	3.963
Mo. Traffic Net	
1745 Daily	3.963
Mid-Mo Sky Warn	
2000 Tue.	146.865- (77.0)
SATERN	
1500Z Mon – Sat	14.265
SATERN – MO & KA	
2030 CT Tue	3.820
Hurricane Warning Net	
As Needed	14.325