

WIRELESS FORECAST STATION



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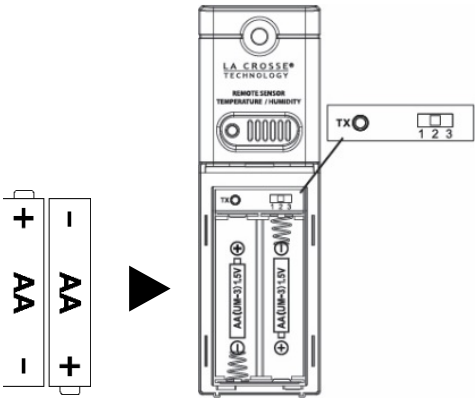
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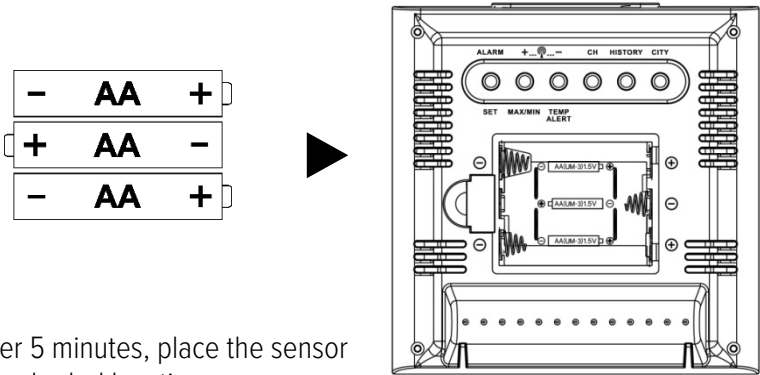
City CodesAppendix

INITIAL SETUP

Step 1: Insert 2 *new* AA batteries (not included) into the TX142THv3 sensor. Observe the correct polarity.



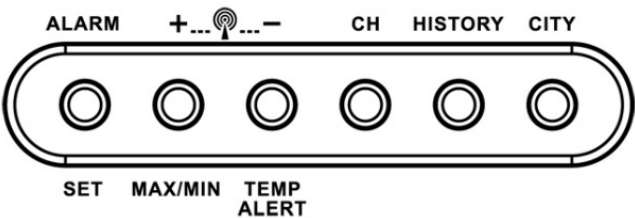
Step 2: Insert 3 *new* AA Alkaline batteries (not included) into the forecast station. Observe the correct polarity.



Step 3: After 5 minutes, place the sensor Outside in a shaded location.

Note: If the outdoor Temperature area shows dashes after 3 minutes, remove the batteries and start from step 1.

BUTTONS



SET TIME, DATE, ETC.

- 1. Hold the **SET** button to enter time set mode.
- 2. Press the **+** or **-** button to adjust values.
- 3. Press the **SET** button to confirm adjustments and move to the next item.

Settings order:

- 1. WWVB Reception
- 2. Time Zone
- 3. DST Indicator,
- 4. 12/24 Hour Time Format
- 5. Fahrenheit/Celsius
- 6. Hour
- 7. Minutes,
- 8. Seconds
- 9. Year
- 10. Month
- 11. Date

TIME ZONE	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaska
HAT	Hawaiian

1. WWVB Time On/Off 2. Time Zone 3. DST Indicator



4. 12Hr/24Hr Time

5. Fahrenheit/Celsius



6. Hours

7. Minutes

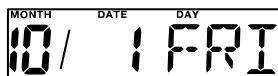
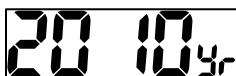
8. Seconds



9. Year

10. Month

11. Date



Press the **SET** button to exit or wait 20 seconds.

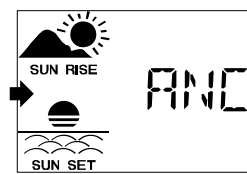
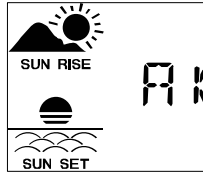
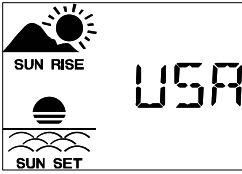
CITY SELECTION-SUNRISE/SUNSET TIMES

Select a city location **closest** to you in a North/South line, even a city in another state or country. This will provide the most accurate sunrise/sunset times for your location.

COUNTRY:

1. Hold the **CITY** button and the Country will flash.
2. Press the **+** or **-** button to select the country.
(USA, Canada or Mexico)
3. Press the **CITY** button to confirm and enter state selection.

Note: When either Canada or Mexico is chosen you will move directly to city selection. Preset City abbreviations are at the end of this guide.



STATE:

4. Press the + or - button to select the state.
5. Press the **CITY** button to confirm and enter city selection.

CITY:

6. Press the + or - button to select the city.
7. Press the **CITY** button to confirm and exit.

Note: Use the city location **closest** to you in a North/South line even a city in another state or country, for the most accurate sunrise/sunset times for your location.

COMFORT STATEMENT

The comfort statement is based on the indoor humidity.

- **WET:** Humidity is above 70%
- **COMFORTABLE:** Temperature is between 68°F and 82°F. Humidity is between 40% and 70%
- **DRY:** Humidity is below 40%

BACKLIGHT

- Press the SNOOZE/LIGHT button to activate the blue backlight for 5 seconds.

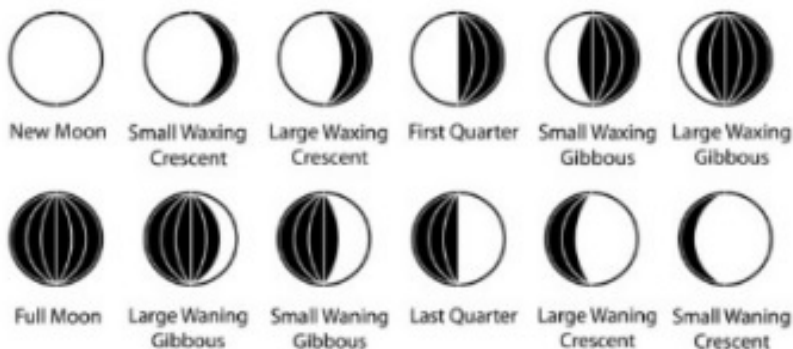
TIDE

The tides reflected on this station are based on the ebb and neap tides of the lunar month. When it reads high, your tides will be higher than usual, etc. This does not reflect daily high and low tides.

- **Full & new moon** = spring tide (TIDE HI).
- **Quarter** = neap tide (TIDE LO)
- **Other** = mean water level (TIDE MID)

MOON PHASE

The LCD Moon phase is divided by 6 sections, showing a total of 12 phases of the moon.



Note: With the moon shown against a light background, the phases will show opposite to a paper calendar. For instance, the moon will be blank during a new moon and dark during a full moon.

ALARMS and ALERTS

There are two time alarms and high and low outdoor temperature alerts available on this station.

TIME ALARMS

Setting and activating time alarms are separate actions.

Set Alarm 1:

1. Press the **ALARM** button to enter alarm 1.

(A1 will show in the seconds' area).

2. Hold the **ALARM** button to enter alarm **set** mode.
3. Press the + or - button to adjust values.

AM 6:00 A 1

Set Alarm 2:

1. Press the **ALARM** button twice to enter alarm 2.
(A2) will show in the seconds' area).
2. Hold the **ALARM** button to enter alarm **set** mode.
3. Press the + or - button to adjust values.

Activate:

1. Press the **ALARM** button to enter alarm mode.
2. Press the + button and the bell icon with the alarm number will appear.



Deactivate:

3. Press the **ALARM** button to enter the correct alarm mode.
4. Press the + button and the bell icon will disappear.

Snooze:

1. When either alarm sounds, press the **SNOOZE/LIGHT** button to activate the snooze feature for 10 minutes.
2. The letters Zz will appear.
3. Press any button to deactivate the snooze feature.

OUTDOOR TEMPERATURE ALERTS

High and low outdoor temperature alerts may be set on the forecast station for each channel that has a sensor attached.

Set Temperature Alert Channel 1:

1. Hold the **TEMP ALERT** button and the High Temp Alert icon will flash.
2. Press the + or - button to adjust values.

3. Press the **SET** button to move to the Low Temp alert.
4. The Low Temp Alert icon will flash.
5. Press the + or - button to adjust values.
6. Press the **SET** button to confirm and exit to current temperature.
7. The Temp Alert icon will show in the outdoor temperature area.
8. When alert sounds, the temperature value will flash.
9. Press any button to silence the alert temporarily.



Set Temperature Alerts Channels 2 or 3

(When using multiple sensors):

1. Press the **CH** button to select the channel.
2. Follow steps 2-4 above to set temperature alerts on other channels.

Deactivate Temperature Alert:

- Press the **TEMP ALERTS** button three times to deactivate all temperature alerts.
- The alert icon will disappear.

FROST ALARM




The Frost Alert sounds when outdoor temperature is between:
(34°F ~ 37°F (1.1 °C ~ 2.7°C))

1. **Activate:** Press the **TEMP ALERT** button twice to activate the Frost Alarm.
2. The FROST ALERT icon will appear in the outdoor temperature area when active.
3. **Deactivate:** Press and release the **TEMP ALERT** button until the FROST ALERT icon no longer shows.



TEMPERATURE TREND ICONS

The temperature (2°F/1°C) and humidity (3% RH) trend indicators update every 30 minutes or less.

<ul style="list-style-type: none">Temperature has risen in the past 3 hours.Humidity has risen in the past 3 hours.	
<ul style="list-style-type: none">Temperature has not changed in the past 3 hours.Humidity has not changed in the past 3 hours.	
<ul style="list-style-type: none">Temperature has fallen in the past 3 hours.Humidity has fallen in the past 3 hours.	


CHANNELS-AUTO SCROLL

Channel Search: The Forecast Station can receive up to 3 outdoor sensors: (TX142THv3 or TX142TH)

- When more than one sensor is used, set each sensor to a different channel number then hold the **CH** button to search for the sensors.

View Channels: Press the **CH** button to select Ch1, Ch2, or Ch3 or auto-scroll channels.



Auto scroll-channel will show a circling arrow  below the channel number and will rotate through each channel approximately every 3-5 seconds

ADD SENSORS

- Remove battery covers from all sensors.
- Set each sensor to a different channel with the switch.
- Insert batteries into all sensors.
- Hold the **CH** button to search for sensors.
- Press the **TX** button on each sensor.
- After 15 minutes place, sensors in shaded locations.

ABSOLUTE PRESSURE NUMBER

Absolute Pressure Number: Barometric Pressure is read by the forecast station. Since this number is *absolute* pressure it may not be the same as a local reporting station that reads in *relative* pressure.

Note: The number **cannot** be calibrated.

Unit of Measure: (InHg or hPa):

- Hold the **HISTORY** button to switch from InHg (inches or mercury) or hPa (Hecto Pascal).

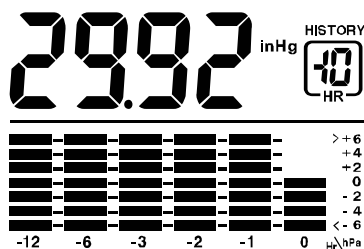
PRESSURE HISTORY

1. Press the **HISTORY** button to view numeric pressure history.
2. 0 is current pressure. -1 through -12 reflects the pressure history in one-hour increments.

12 HOUR PRESSURE HISTORY GRAPH

- The bar chart indicates the pressure trend over the last 12 hours.
- The columns represent the pressure change readings at specific times.
- The "0" is equal to the current pressure and each bar represents how past pressure was **compared** to the current pressure.
- Read the graph from left to right. If the bars are rising, it means that the weather is getting better due to the increase of air pressure.
- If the bars go down, it means the air pressure has dropped and the weather is expected to get worse from the present time.

Note: The bar graph will scroll to prevent LCD burnout.



WEATHER FORECAST ICONS

The icons in the top right corner shown below, forecast the weather for the next 12-24 hours. The icon is a prediction of the weather in terms of getting better or worse based on rising and falling barometric pressure.



SUNNY



PARTLY CLOUDY



CLOUDY



RAINY



SNOWY

INTELLIGENT WEATHER FORECAST

This station learns. Please allow 7-10 days for barometric calibration. This will ensure an accurate personal forecast for your location.

WEATHER TENDENCY ARROWS

UP ARROW: the Air Pressure is increasing; the weather is expected to improve.

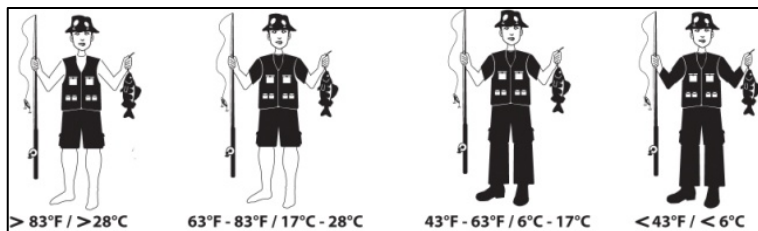
RIGHT ARROW: the Air Pressure has not changed.

DOWN ARROW: the Air Pressure is falling; the weather is expected to degrade.



FISHERMAN CLOTHING BASED ON OUTDOOR TEMPERATURE CHANNEL 1

- The fisherman's clothing updates with changes in the measured Outdoor Temperature from the sensor on **channel 1**.
 - The fisherman icon represents CURRENT TRENDS in Temperature.



VIEW/RESET MIN/MAX VALUES

The station automatically resets MIN/MAX values daily at midnight (12:00 AM).

- Press the **MAX/MIN** button once to view maximum values.
- Hold the **MAX/MIN** button to reset maximum values.
- Press the **MAX/MIN** button twice to view minimum values.
- Hold the **MAX/MIN** button to reset minimum values.

MANUAL WWVB RADIO-CONTROLLED TIME SEARCH

- Hold both the + and – together to start or stop a WWVB signal search.
- WWVB Icon will flash



For information about WWVB visit:

www.nist.gov/pml/div688/grp40/wwvb.cfm

POSITION THE FORECAST STATION

The forecast station has a wide base to sit on a desk or table.

- For best WWVB reception orientate the forecast station with the front of the back facing Ft. Collins, Colorado.
- Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc.
- Place within range of the outdoor sensor.
- The maximum transmitting range in open air is 330 feet (100 meters). Obstacles such as walls, windows, stucco, concrete and large metal objects can reduce the range.

POSITION OUTDOOR SENSOR

- Mount the outdoor sensor on a north-facing wall or in any well shaded area. Under an eave or deck rail is preferred.
- The maximum transmitting range to the forecast station is over 330 feet (100 meters) in open air, not including walls.

SPECIFICATIONS

Indoor:

Temperature Range: +32°F to +122°F (0°C to 50°C)

Humidity Range: 10%-99% (RH)

Interval: About every 30 seconds

Outdoor:

Temperature Range: -40°F to 140°F (-40°C to 60°C)

Humidity Range: 10%-99% (RH)

Distance: Over 330 ft. (100 meters) RF 433MHz (open air)

Interval: About every 50 seconds

Power:

Forecast Station: 3-AA, IEC, LR6 batteries (not included)

TX142THv3 Sensor: 2-AA, IEC, LR6 batteries (not included)

Battery Life: Battery life is over 24 months

Dimensions:

Forecast Station: 5.12" L x 2.36" W x 5.12" H

(13.0cm L x 6.0cm W x 13.0 cm H)

TX142THv3 Sensor: 1.57" L x 0.82" W x 5.11" H

(3.98cm L x 2.08cm W x 12.98cm H)

LOW BATTERY ICON

- When displayed in Outdoor Temperature section, replace batteries in the outdoor sensor.
- When displayed in Indoor Temperature section, replace batteries in the forecast station.



**Low
Battery
Icon**

CARE AND MAINTENANCE

- Do not mix old and new batteries
- Do not mix Alkaline, Standard, Lithium or Rechargeable Batteries
- Always purchase the correct size and grade of battery suitable for the intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+and -).
- Remove batteries from equipment with is not to be used for an extended period.
- Promptly remove expired batteries.

WARRANTY AND SUPPORT INFORMATION

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

Before returning a product, please contact our friendly customer support or visit our online help:

Phone: 1-608-782-1610

Online: www.lacrossetechnology.com/support/

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

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AK ALASKA
ANC ANCHORAGE
FAI FAIRBANKS
AJN JUNEAU
OME NOME

AL ALABAMA
BHM BIRMINGHAM
GAD GADSDEN
MGM MONTGOMERY
MOB MOBILE

AR ARKANSAS
FSM FORT SMITH
LIT LITTLE ROCK
TXK TEXARKANA

AZ ARIZONA
FLG FLAGSTAFF
PHX PHOENIX
TUS TUCSON
YUM YUMA

CA CALIFORNIA
BFL BAKERSFIELD
BLH BLYTHE
EKA EUREKA
FAT FRESNO
FTB FORT BRAGG
LAX LOS ANGELES
ROD REDDING
SAC SACRAMENTO
SAN SAN DIEGO
SBD SAN BERNADINO
SFO SAN FRANCISCO

CO COLORADO
DEN DENVER
DRO DURANGO
FNL FT COLLINS
GJT GRAND JUNCTION
ITR BURLINGTON
PUB PUEBLO

CT CONNECTICUT
HFD HARTFORD

DC DISTRICT OF COLUMBIA
DCA WASHINGTON

DE DELAWARE
ONS DOVER

FL FLORIDA
EYW KEYWEST
JAX JACKSONVILLE
MIA MIAMI
ORL ORLANDO
PNS PENSACOLA
TLH TALLAHASSEE
TPA TAMPA

GA GEORGIA
ABY ALBANY
AGS AUGUSTA
ATL ATLANTA
CSG COLUMBUS
MAC MACON
SAV SAVANNAH

HI HAWAII
HNL HONOLULU
ITO HILO
OGC KAHULUI
WAI WAIMEA

IA IOWA
ALO WATERLOO
DSM DES MOINES
DVN DAVENPORT
SUX SIOUX CITY

ID IDAHO
BOI BOISE
GIB GIBBONSVILLE
PIH POCATELLO
SZT SAND POINT

IL ILLINOIS
CMI CHAMPAIGN
ORD CHICAGO
SPI SPRINGFIELD

IN INDIANA
EVV EVANSVILLE
HUF TERRE HAUTE
IND INDIANAPOLIS
SBN SOUTH BEND

KS KANSAS
DDC DODGE CITY
K32 WICHITA
KCK KANSA CITY
OHI WAKEENEY
TOP TOPEKA

KY KENTUCKY
FFT FRANKFORT
LEX LEXINGTON
LOU LOUISVILLE

LA LOUISIANA
BTR BATON ROUGE
CWF LAKE CHARLES
IER NATCHITOCHES
NEW NEW ORLEANS
SHV SHREVEPORT

MA MASSACHUSETTS
BOS BOSTON

MD MARYLAND
BWI BALTIMORE

ME MAINE
AUG AUGUSTA
BGR BANGOR
CAR CARIBOU
PWM PORTLAND

MI MICHIGAN
AZO KALAMAZOO
DET DETROIT
FNT FLINT
LAN LANSING
PZQ ROGERS CITY
SAW MARQUETTE
TVC TRAVERSE CITY

MN MINNESOTA
AEL ALBERT LEA
BJI BEMIDJI
DLH DULUTH
GPO GRAND PORTAGE
IINL INTERNATIONAL FALLS
STP SAINT PAUL

MO MISSOURI
JEF JEFFERSON CITY
MKC KANSA CITY
MPH MEMPHIS
POF POPLAR BLUFF
SGF SPRINGFIELD
STL ST LOUIS

MS MISSISSIPPI
GWO GREENWOOD
HUV HUNTSVILLE
JAN JACKSON
TUP TUPELO

MT MONTANA
BIL BILLINGS
FTP FORT PECK
GFT GREAT FALLS
HLN HELENA
SDY SIDNEY
WTF WHITEFISH

NC NORTH CAROLINA
AVL ASHEVILLE
CLT CHARLOTTE
FAY FAYETTEVILLE
ILM WILMINGTON
INT WINSTON-SALEM
MCZ WILLIAMSTON
RDU RALEIGH

ND NORTH DAKOTA
BIS BISMARCK
BWB BOWBELLS
FAR FARGO
GFK GRAND FORKS

NE NEBRASKA
GRI GRAND ISLAND
LNK LINCOLN
OMA OMAHA
SNY SYDNEY
VTN VALENTINE

NH NEW HAMPSHIRE
CON CONCORD

NJ NEW JERSEY
EWR NEWARK
TTN TRENTON

NM NEW MEXICO
ABQ ALBUQUERQUE
MAG MAGDALENE
ROW ROSWELL
RTN RATON
SAF SANTA FE

NV NEVADA
AIN AUSTIN
CXP CARSON CITY
ELY ELY
LAS LAS VEGAS
LWL WELLS
RNO RENO

NY NEW YORK
ALB ALBANY
BUF BUFFALO
JFK NEW YORK CITY
LKP LAKE PLACID
SYR SYRACUSE

OH OHIO
CLE CLEVELAND
CMH COLUMBUS
ISZ CINNCINATI
TOL TOLEDO
YNG YOUNGSTOWN
OK OKLAHOMA
17K BOISE CITY
LAW LAWTON
OKC OKLAHOMA CITY
TUL TULSA

OR OREGON
BNO BURNS
EUG EUGENE
MFR MEDFORD
PDX PORTLAND
SLE SALEM

PA PENNSYLVANIA
CXY HARRISBURG
PHL PHILADELPHIA
PIT PITTSBURGH
SCR SCRANTON

PR PUERTO RICO
SJU SAN JUAN

RI RHODE ISLAND
PVD PROVIDENCE

SC SOUTH CAROLINA
CHS CHARLESTON
CUB COLUMBIA
GMU GREENVILLE

SD SOUTH DAKOTA
FSD SIOUX FALLS
PIR PIERRE
RAP RAPID CITY

TN TENNESSEE
BNA NASHVILLE
CHA CHATTANOOGA
DKX KNOXVILLE
MEM MEMPHIS

TX TEXAS
ABI ABILENE
AMA AMARILLO
AUS AUSTIN
BRO BROWNSVILLE
DFW DALLAS/FT. WORTH
ELP EL PASO
HOU HOUSTON
LRD LAREDO
ODO ODESSA
SAT SAN ANTONIO

UT UTAH
SAL SALINE
SGU ST GEORGE
SLC SALT LAKE CITY
TSN THOMPSON

VA VIRGINIA
DON VIENNA
LYH LYNCHBURG
ORF NORFOLK
RIC RICHMOND
ROA ROANOKE

VT VERMONT
BTB BURLINGTON
MPR MONTPELIER

WA WASHINGTON
ABE ABERDEEN
ALW WALLA WALLA
KTF KETTLE FALLS
MVN MT VERNON
OLM OLYMPIA
SEA SEATTLE
SFF SPOKANE
TON TONASKET
YKM YAKIMA

WI WISCONSIN
AUW WAUSAU
GRB GREEN BAY
LSE LA CROSSE

MSN MADISON
MWC MILWAUKEE
SSQ SPOONER

WV WEST VIRGINIA
CRW CHARLESTON
HLG WHEELING

WY WYOMING
BYG BUFFALO
CPR CASPER
CYS CHEYENNE
LAA LITTLE AMERICA
WYE WEST YELLOWSTONE

CANADA CITY LISTING

EDM EDMONTON
ALB CALGARY
VAN VANCOUVER
WIN WINNIPEG
FRE FREDERICTON
HAL HALIFAX
YEL YELLOWKNIFE
OTT OTTAWA
SUD SUDBURY
THU THUNDER BAY
TOR TORONTO
CHT CHARLOTTE TOWN
MON MONTREAL
QUE QUEBEC
REG REGINA
WHI WHITEHORSE