

ARCS PROCEDURE:	SETTING THE TIME ON THE VITEL AND ELECTRONIQUE UNITS	PRO(CIMEL)-002.001  March 21, 2000 Page 1 of 3
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## Setting the Time on the Vitel and Electronique Units

### I. Purpose:

This procedure describes how to set the time on the Vitel GOES Transmitter and the Electronique control unit.

The CIMEL consists of an Instrument, a power box, a control box and a GOES antenna. The instrument has a double barrel lens assembly that rotates up and down and periodically scans the sky. The Power Box contains one large Vitel battery and two small CIMEL batteries. The Control Box contains a white CIMEL Electronique unit and a black Vitel VX1004 unit.

### II. Cautions and Hazards:

None.

### III. Requirements:

None.

### IV. Procedure:

#### A. Clock Setting for the Vitel VX1004 Transmitter:

1. Find a GPS, take it outside and press the red button to turn it on.
2. Point the antenna up to the sky where there are no obstructions.
  - It will take a few minutes to acquire the satellites; it is OK to set the GPS on a flat surface while it acquires satellites.
  - Once the time is displayed at the bottom the GPS is ready
  - Go to the Control Box (it should be labeled), open the lid and find the black Vitel VX1004 unit.
3. The Vitel clock needs to be set 5 seconds behind Greenwich Mean Time (GMT), which is what the GPS displays.
  - Set the Vitel clock by pressing the ON/OFF button once.
  - Display should read TIME; if TIME is not displayed press the button marked SCROLL to step through the menu items until TIME is displayed.
  - Press the button marked SELECT.
  - Press the button marked CHANGE.

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- Press the button marked Enter until the cursor is on the desired digit.
  - Press the button marked CHANGE until the desired value appears under the cursor, then press the button marked ENTER to move to the next digit.
  - Repeat the two previous steps for each digit.
  - Press the ON/OFF button to return to the main display.
  - When the cursor is over the right-most digit in the seconds field press the ENTER button, and the clock will start incrementing.
4. Double-check the time to make sure it is correct.
    - If the time is off by 2-3 seconds don't worry about it.
  5. For the sake of information, some of the other parameters for the Vitel transmitter are as follows:
    - Baud: 1200
    - Channel number: 86
    - Platform ID: 131383E6
    - Transmit Interval (TXT INTV): 60
    - Time of Transmission (FIRST TX): 13 (minutes after the hour)

**B. Clock Setting for the Electronique unit**

1. Use the following steps to change the time on the Electronique unit. This is the white unit located inside the Control Box.
2. If the display is inactive, press the green button to turn the display on.
3. Press the green (PW) button, then increment the password to 1 using the red (+) button, and then press the green (PW) button again.
4. Press the yellow (Dat) button.
5. Use the yellow (-) and red (+) buttons to decrease or increase the values.
6. Use the white (X) button to move to the next parameter. You will be presented with the values for Year, Month, Day, Hour, and Minute, in that order.

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7. When entering the time, set it for the next incremental minute, then press the (Ok) button at the minute hack, which sets the seconds to zero and starts the clock.
  - It is important to set the Electronique clock to within a few seconds of GMT.
  - NOTE: Each access of the DAT menus will set the seconds to zero upon exit, even if no modifications are made.

**V. References:**

None.

**VI. Attachments:**

None.