

**Dataset Title**

Sounding Data at Crouch & Lowman Sites

**Dataset Author**

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**Time of Interest**

20170107-20170316 (Time reported in UTC; Data only when there are IOPs)

**Area of Interest**

Crouch: 1082.6 m MSL, 44°08'58.1", -115°59'25.4"

Lowman: 1315.0 m MSL, 44°06'01.2", -115°27'34.0"

**Data Frequency**

1 Hz

**Data Spatial Type**

Point measurement

**General Dataset Description**

Idaho Power utilizes Lockheed Martin LMS6 Radiosondes and Ground Systems. The LMS6 Radiosondes use GPS data to track the radiosonde's position and height as well as calculating wind speed and direction. Other meteorological data that are collected is pressure, temperature, and humidity. These are calculated from a suite of onboard sensors that include a chip thermistor temperature sensor and a LMU6 humidity sensor. This data is transmitted to the LMS6 Ground System at a frequency between 400.250 and 405.875 MHz.

**File Names**

kcrh201701072300.txt

kcrh201701080201.txt

kcrh201701080401.txt

kcrh201701080801.txt

kcrh201701090101.txt

kcrh201701090501.txt

kcrh201701090901.txt

kcrh201701100401.txt

kcrh201701102301.txt

kcrh201701110301.txt

kcrh201701110601.txt  
kcrh201701181701.txt  
kcrh201701182201.txt  
kcrh201701190101.txt  
kcrh201701191201.txt  
kcrh201701191601.txt  
kcrh201701192001.txt  
kcrh201701200001.txt  
kcrh201701211901.txt  
kcrh201701212201.txt  
kcrh201701220101.txt  
kcrh201701221801.txt  
kcrh201701230101.txt  
kcrh201701311601.txt  
kcrh201702011201.txt  
kcrh201702031501.txt  
kcrh201702031601.txt  
kcrh201702032001.txt  
kcrh201702032101.txt  
kcrh201702041801.txt  
kcrh201702042001.txt  
kcrh201702042301.txt  
kcrh201702051801.txt  
kcrh201702060701.txt  
kcrh201702061101.txt  
kcrh201702071701.txt  
kcrh201702072001.txt  
kcrh201702072201.txt  
kcrh201702081301.txt  
kcrh201702162001.txt  
kcrh201702170001.txt  
kcrh201702182001.txt  
kcrh201702190001.txt  
kcrh201702191201.txt  
kcrh201702191501.txt  
kcrh201702191901.txt  
kcrh201702201201.txt  
kcrh201702201501.txt  
kcrh201702211201.txt  
kcrh201702211601.txt  
kcrh201702221101.txt  
kcrh201702221501.txt  
kcrh201702281501.txt  
kcrh201703011001.txt

kcrh201703041001.txt  
kcrh201703041401.txt  
kcrh201703050901.txt  
kcrh201703051301.txt  
kcrh201703070901.txt  
kcrh201703071401.txt  
kcrh201703091101.txt  
kcrh201703091601.txt  
kcrh201703091901.txt  
kcrh201703092301.txt  
kcrh201703101101.txt  
kcrh201703152101.txt  
kcrh201703152301.txt  
kcrh201703160101.txt  
kcrh201703160301.txt  
KLOW201702032001.txt  
KLOW201702042201.txt  
KLOW201702071201.txt  
KLOW201702071401.txt  
KLOW201702152201.txt  
KLOW201702162201.txt  
KLOW201702170101.txt  
KLOW201702182201.txt  
KLOW201702191801.txt  
KLOW201702201501.txt  
KLOW201702211601.txt  
KLOW201702221501.txt  
KLOW201702281601.txt  
KLOW201703041401.txt  
KLOW201703041601.txt  
KLOW201703051301.txt  
KLOW201703051501.txt  
KLOW201703071701.txt  
KLOW201703091601.txt  
KLOW201703092201.txt  
KLOW201703160001.txt  
KLOW201703160201.txt  
KLOW201703160401.txt

**Data Format**

ASCII with fixed width columns  
2 Header Lines  
Missing Value: //

Columns: Flight Time Since Launch [mins:secs], UTC Time [hrs:mins:secs], Geopotential Height [m], Latitude [°], Longitude [°], Pressure [hPa], Temperature [°C], Humidity [% RH], Wind Speed [m/s], Wind Direction [°], Slant Range [m], Elevation Angle [°]

**Data Restrictions**

None

**GCMD Keywords**

ATMOSPHERE, ATMOSPHERIC TEMPERATURE, ATMOSPHERIC WINDS, ATMOSPHERIC WATER VAPOR