Dataset Title
Sounding Data at Crouch & Lowman Sites

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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.

A timestamp issue was found in file kcrh201703050901.txt where the times were two hours ahead of the correct time. The cause of this error is unknown. The times have now been corrected. This correction does change the amount of time between when the sonde was performed and when the flights took place on the same day.

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