HDL Data Documentation:

Accel:
diffSecs: time difference (in seconds) from last recording point
N.Samples: number of samples captured during that recording interval
x.mean: The mean acceleration of all the samples captured during that interval for the x axis recordings
x.absolute.deviation: The absolute deviation of the samples from the mean for samples captured during the interval for the x axis
x.standard.deviation: The standard deviation of the samples from the mean for samples captured during the interval for the x axis
x.max.deviation: The maximum deviation of the samples from the mean for samples captured during the interval for the x axis
x.PSD.1: Low frequency motion energy
x.PSD.3: Low-mid frequency motion energy
x.PSD.6: Mid-high frequency motion energy
x.PSD.10: High frequency motion energy
y.mean: The mean acceleration of all the samples captured during that interval for the y axis recordings
y.absolute.deviation: The absolute deviation of the samples from the mean for samples captured during the interval for the y axis
y.standard.deviation: The standard deviation of the samples from the mean for samples captured during the interval for the y axis
y.max.deviation: The maximum deviation of the samples from the mean for samples captured during the interval for the y axis
y.PSD.1: Low frequency motion energy
y.PSD.3: Low-mid frequency motion energy
y.PSD.6: Mid-high frequency motion energy
y.PSD.10: High frequency motion energy
z.mean: The mean acceleration of all the samples captured during that interval for the z axis recordings
z.absolute.deviation: The absolute deviation of the samples from the mean for samples captured during the interval for the z axis
z.standard.deviation: The standard deviation of the samples from the mean for samples captured during the interval for the z axis
z.max.deviation: The maximum deviation of the samples from the mean for samples captured during the interval for the z axis
z.PSD.1: Low frequency motion energy
z.PSD.3: Low-mid frequency motion energy
z.PSD.6: Mid-high frequency motion energy
z.PSD.10: High frequency motion energy
time: The time stamp of when the sample was collected in the format MM/DD/YYYY HH:MM:SS AM/PM

Audio:
diffSecs: time difference (in seconds) from last recording point

L1.norm: Absolute energy of audio captured
L2.norm: RMS energy of audio captured
Linf.norm: Peak energy of audio captured
PSD.250: Low frequency energy of audio captured
PSD.500: Low-mid frequency energy of audio captured
PSD:1000: Mid-high frequency energy of audio captured
PSD.2000: High frequency energy of audio captured
MFCC.1: Log-energy 0^{th} mel-frequency cepstral coefficient of audio captured
MFCC.2: 1^{st} mel-frequency cepstral coefficient
MFCC.3: 2^{nd} mel-frequency cepstral coefficient
MFCC.4:
MFCC.5:
MFCC.6:
MFCC.7:
MFCC.8:
MFCC.9:
MFCC.10:
MFCC.11:
MFCC.12: 11^{th} mel-frequency cepstral coefficient
time: The time stamp of when the sample was collected in the format MM/DD/YYYY HH:MM:SS AM/PM

Batt:
diffSecs: time difference (in seconds) from last recording point
level: The level of battery power remaining shown in terms of a percentage of total power
time: The time stamp of when the sample was collected in the format MM/DD/YYYY HH:MM:SS AM/PM

Cmpss:
diffSecs: time difference (in seconds) from last recording point
N.Samples: number of samples captured during that recording interval
azimuth.mean: The mean compass bearing east of magnetic north.
azimuth.absolute.deviation: The absolute deviation compass bearing east of magnetic north.
azimuth.standard.deviation: The standard deviation compass bearing east of magnetic north.
azimuth.max.deviation: The maximum deviation compass bearing east of magnetic north.
pitch.mean: The mean compass bearing for rotation around x-axis (is the phone leaning forward or back)
pitch.absolute.deviation: The absolute deviation of compass bearing for rotation around x-axis (is the phone leaning forward or back)
pitch.standard.deviation: The standard deviation of compass bearing for rotation around x-axis (is the phone leaning forward or back)

pitch.max.deviation: The maximum deviation of compass bearing for rotation around x-axis (is the phone leaning forward or back)
roll.mean: The mean compass bearing for rotation around y-axis (is the phone leaning over on its left or right side)
roll.absolute.deviation: The absolute deviation of compass bearing for rotation around y-axis (is the phone leaning over on its left or right side)
roll.standard.deviation: The standard deviation compass bearing for rotation around y-axis (is the phone leaning over on its left or right side)
roll.max.deviation: The maximum deviation of compass bearing for rotation around y-axis (is the phone leaning over on its left or right side)
time: The time stamp of when the sample was collected in the format MM/DD/YYYY HH:MM:SS AM/PM

GPS:
diffSecs: time difference (in seconds) from last recording point
Latitude: The latitude coordinate collected at the specified time interval
Longitude: The longitude coordinate collected at the specified time interval
Altitude: The altitude above sea level collected at the specified time interval
Time: The time stamp of when the sample was collected in the format MM/DD/YYYY HH:MM:SS AM/PM