

RAOB RAW DATA FORMAT. Below is a short example:

```
"RAOB6116","Example sounding data file",1,2,3
32.07,"N",110.56,"W",789,100
"AUTO",1,"NO",2,0,0,0,0,0
927,2,8
850,1.2,-3
0,150,4
125,180,5
430,245,8
"ST",59,"SCT",74
3500,5,20
8,2700,4,25
```

HEADER Lines (3)

First line:	"RAOB6116"	RAOB program version used when data file is saved. The last 4 digits are the first 4 digits of the program serial number.
	"Sounding"	Descriptive information line, either automatically or manually entered.
	1	No. 1 indicates a "raw" data file.
	2	Indicates two (2) pressure/temp data levels.
	3	Indicates three (3) height/wind data levels.
Second line:	32.07	Latitude (32 degrees and 7 minutes).
	"N"	"N"orth latitude.
	110.56	Longitude (110 degrees and 56 minutes).
	"W"	"W"est longitude.
	789	Station height is 789 meters.
	100	Height of first sounding temperature: AGL, meters. Value is 0 (zero) if data starts at the surface. Values greater than zero signify elevated soundings.
Third line:	"AUTO"	Indicates Cloud data is "automatically" determined.
	1	Indicates RAOB only found 1 cloud level.
	"NO"	Indicates "precipitation" was not occurring.
	2	Indicates 2 sets of mountain parameters (double ridge).
	0,0,0,0,0,0	These last 6 fields are reserved for future use.

NOTE: for new datafiles, highly recommend the 3rd header line be entered as this example line above. The program will make any necessary changes later.

PRESSURE/TEMPERATURE Data

Format: Pressure (mb), Temperature (°C), Dewpoint (°C)

HEIGHT/WIND Data

Format: Height (m, AGL), Wind direction (degrees), Wind speed (knots)

Note: Heights are saved in decimal format to retain accuracy when data are originally entered in feet.

CLOUD Data (optional data: permits manual cloud specification)

Format: Cloud type, Cloud base (ft x 100), Cloud coverage, Cloud tops (ft x 100)

MOUNTAIN Data (optional data: requires use of the Turbulence & Wave module)

Format: 1st Mtn: Height (ft), Base half-width (nm), Axis orientation (degrees)

2nd Mtn: Distance from 1st Mtn (nm), 2nd Mtn: Hgt, Half-Width, Axis