Briefing Sheet: Volcano Team

Short Practice

GMT Hours	Hourly VT	Hourly RF
03:00	13	34
02:00	21	21
01:00	6	16
00:00	12	4

These numbers will appear on the web page ever few minutes

Analysing the Volcano

During the mission you should receive web page information about the volcano every few minutes. Five minutes of your mission is 1 hour on the Island of Montserrat so each set of numbers will be an hour apart.

You will get a number for **Rock Fall (RF)** and a number for **Volcanic Tremors (VT).** These numbers represent how many of each event have happened in the last hour on Montserrat. This is called the real-time data.

We have taken the RF from a practice set of real-time data on the left, and used them to predict the **Total Seismic Activity** for the whole day. You will need to practice this for your mission day. Note that the latest real-time numbers appear at the top but on the work sheet you will write the latest numbers on the last line.

1. Follow through the arrows that show you how to fill in the table.

2. Try to fill in the two empty spaces at 0300 hours

A	B	C	D	E	F
GMT Hours	Hourly RF (from real-time data)	Cumulative RF	Multiply By	Predicted Daily RF Total	Predicted Total Seismic Activity (RF + VT)
00:00	4	4	24	96	384
01:00	16	20	12	240	456
02:00	21	41	8	328	640
03:00	34	_____	6	_____	
04:00			4.8		
05:00			4		

So how did we get this number? 21 + 20 = 41

...and this number? 41 x 8 = 328

Predicted Daily VT Total

328 + = 640

312 - Found in the second to last column (column E) on the VT worksheet

3. Make sure you have worked through all the practice data before your mission day.