



Briefing Sheet: **Volcano Team**

Short Practice

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.

GMT Hours	Hourly VT	Hourly RF
0300	13	34
0200	21	21
0100	6	16
0000	12	4

These numbers will appear on the web page ever few minutes

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)
0000	4	4	24	96	384
0100	16	20	12	240	456
0200	21	41	8	328	640
0300	34	_____	6	_____	
0400			4.8		
0500			4		

$$21 + 20 = 41$$

$$41 \times 8 = 328$$

$$328 + \text{Predicted Daily VT Total} = 640$$

(312 from the other work sheet)

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