



Seismic Events Data Sheet

Circle One: Rockfall (RF) Volcano Tectonic (VT)

Practice with sample data

In the table below we give you some sample data and two worked examples. Between now and the time the mission starts, you need to practice calculations with the remaining sample data. Practice using RF only.

Sample Data and Practice

A	B	C	D	E	F
GMT Hours	Hourly RF Events (from real-time data)	Cumulative RF Events	Multiply By	Projected Daily RF Events Total	Projected Total Seismic Activity (RF + VT)
		$C = B + \text{Previous } C$ (Start with zero)		$E = C \times D$	$F = \text{RF Column E} + \text{VT Column E}$ Just for practice, assume VT Column E is 200
0000	4	4	24.0	96	296
0100	16	20	12.0	240	440
0200	21		8.0		
0300	34		6.0		
0400	19		4.8		
0500	23		4		

Real Time Data					
A	B	C	D	E	F
GMT Hours	Hourly RF or VT Events (from real-time data)	Cumulative RF or VT Events	Multiply By	Projected Daily RF or VT Events Total	Projected Total Seismic Activity (RF + VT)
		$C = B + \text{Previous } C$		$E = C \times D$	$F = \text{RF Column E} + \text{VT Column E}$
	(graph this column)	(Start with zero)			(graph this column)
0000			24.0		
0100			12.0		
0200			8.0		
0300			6.0		
0400			4.8		
0500			4.0		
0600			3.4		
0700			3.0		
0800			2.7		
0900			2.4		
1000			2.2		
1100			2.0		
1200			1.8		
1300			1.7		
1400			1.6		
1500			1.5		
1600			1.5		
1700			1.3		