

Big Ben

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Difficulty: Hard

	A	B	UTC
1.	50.0870	14.4200	3.10
2.	34.1410	-118.3478	11.35
3.	-31.9589	115.8581	6.20
4.	55.7530	37.6250	10.25
5.	-33.9000	18.4250	1.15
6.	21.3071	-157.8659	11.05
7.	37.9742	23.7270	1.05

7 2 1 6 7 3 4 4 2 5 6 5 1 3

You are presented a postcard that contains 7 numbered entries – each of which consists of three numbers. At the bottom of the postcard is an area where it appears an answer will be filled in – a series of 14 blanks with the numbers 1 through 7 below them...each number appearing only twice.

Looking at the three columns of numbers in the numbered entries, it seems clear that the first two columns are related while the third is not. In fact, the first two columns are latitude and longitude – entering these coordinates in will net you 7 locations around the world. Looking more closely at the locations themselves, you will discover that these are the locations of 7 clock towers around the world.

Looking at the third set of numbers and taking the clock tower information into account, these look like listings of time with a period instead of a colon to separate hours from minutes...these are listings of GMT.

Gathering all of the information you can, you come up with a table including location, GMT offset, and GMT time. Next, you need to calculate local time. From local time, you can determine the minute and hour hand positions on the clock, which point to two numbers. Indexing into the location name with the two numbers gives two letters. These two letters from each entry must be inserted into the bottom blanks to solve the final answer.

Clock	City	GMT	GMT offset	Local Time	hour hand	minute hand	Hour Letter	Minute Letter
1	Pražský Orloj	Prague	3:10	+1	4:10	4	2	G R
2	Hill Valley Clock Tower	Universal City	11:35	-8	3:35	3	7	I S
3	Clock Tower	Perth	6:20	+8	2:20	2	4	E T
4	Spasskaya Tower	Moscow	10:25	+3	1:25	1	5	M O
5	Waterfront Clock Tower	Cape Town	1:15	+2	3:15	3	4	P E
6	Aloha Tower	Honolulu	11:05	-10	1:05	1	1	H H
7	Tower of the Winds	Athens	1:05	+2	3:05	3	1	A H

Process of elimination reveals the answer to be

HIGHATMOSPHERE

The answer is High Atmosphere.