

Mystery Detectives - Mystery Inside the Earth

ANSWER KEY

(a) Station Number (relative to North Pole)	(b) Position relative to N. Pole (degrees)	(c) Arrival Time P wave (Pacific Standard Time)	(d) Arrival Time S wave (Pacific Standard Time)	(e) Time lag S-P wave (d)-(c) (minutes)
1	0	6:40	6:49	9
2	10	6:39	6:46	7
3	20	6:37	6:43	6
4	30	6:35	6:39	4
5	40	6:33	6:36	3
6	50	6:32	6:33	1
7	65	6:31	6:32	1
8	70	6:32	6:33	1
9	80	6:33	6:36	3
10	90	6:35	6:39	4
11	100	6:37	6:43	6
12	110	6:39	6:46	7
13	120	6:40	6:49	9
14	130	6:42	6:52	10
15	140	6:44	6:55	11
16	150	6:46	6:58	12
17	160	6:47	7:01	14
18	170	6:49	7:04	15
19	180	6:51	7:08	17
20	190	6:52	7:11	19
21	200	6:54	7:14	20
22	210	6:56	7:17	21
23	220	6:58	7:20	22
24	230	6:59	7:23	24
25	240	7:01	7:26	25
26	250	6:59	7:23	24
27	260	6:58	7:20	22
28	270	6:56	7:17	21
29	280	6:54	7:14	20
30	290	6:52	7:11	19
31	300	6:51	7:08	17
32	310	6:49	7:04	15
33	320	6:47	7:01	14
34	330	6:46	6:58	12
35	340	6:44	6:55	11
36	350	6:42	6:52	10

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Earthguide at Geosciences Research Division, Scripps Institution of Oceanography <http://earthguide.ucsd.edu>
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