

TABLE I.—Abstract of the daily rates of the Chronometers used for calculating Meridian Distance on different days at the same

| Places where rated. | Date. | Number of days rates. | Mean Temp. in Chronometer Room during rating period. | RATES OF | | | | | |
|-----------------------------|----------|-----------------------|--|----------|---------|---------|--------|---------|--------|
| | | | | Z | A | B | C | D | E |
| Portsmouth. | 20/12/72 | 11 | 53°·0 | -3·400 | -0·900 | +9·610 | -3·964 | +0·220 | +0·400 |
| Lisbon. | 12/ 1/73 | 8 | 60°·0 | -3·008 | -4·640 | +12·760 | -3·770 | +0·236 | +1·140 |
| Gibraltar. | 25/ 1/73 | 7 | 60°·5 | -2·956 | -5·206 | +14·760 | -3·384 | +0·580 | +1·544 |
| Tenerife. | 14/ 2/73 | 6 | 64°·0 | -2·973 | -6·140 | +17·527 | -3·282 | +0·427 | +2·493 |
| St. Thomas. | 24/ 3/73 | 6 | 77°·5 | -3·313 | -7·147 | +24·112 | -3·972 | +4·070 | +1·203 |
| Bermuda. | 11/ 4/73 | 6 | 72°·5 | -3·171 | -7·047 | +24·487 | -3·905 | +4·520 | +1·903 |
| Do. | 19/ 4/73 | 8 | 69°·5 | -2·852 | -6·771 | +24·366 | -3·740 | +4·366 | +2·729 |
| Halifax. | 19/ 5/73 | 9 | 52°·5 | -2·933 | -4·617 | +23·928 | -3·761 | +4·189 | +2·066 |
| Bermuda. | 12/ 6/73 | 10 | 76°·0 | -3·342 | -7·952 | +24·973 | -4·142 | +5·113 | +1·868 |
| St. Vincent. | 3/ 8/73 | 6 | 78°·0 | -17·815 | -10·632 | +26·510 | -4·707 | +0·493 | +1·618 |
| Bahia. | 22/ 9/73 | 6 | 78°·0 | ... | -21·198 | +26·952 | -5·048 | +7·360 | +1·901 |
| Do. | 25/ 9/73 | 9 | 78°·0 | ... | -21·421 | +26·951 | -5·104 | +7·551 | +1·867 |
| Cape of Good Hope. | 7/11/73 | 6 | 64°·0 | ... | -20·868 | +28·115 | -4·101 | +8·032 | +3·257 |
| Do. | 21/11/73 | 14 | 66°·0 | ... | -20·666 | +27·187 | -4·252 | +8·055 | +3·306 |
| Do. | 11/12/73 | 8 | 65°·0 | ... | -20·537 | +27·775 | -4·263 | +7·993 | +3·312 |
| Do. | 16/12/73 | 5 | 66°·0 | ... | -20·908 | +27·462 | -4·218 | +7·802 | +3·282 |
| Elizabeth Harbour, Kerg. I. | 15/ 1/74 | 5 | 52°·0 | ... | -10·382 | +27·358 | -3·942 | +7·438 | +2·678 |
| Christmas Harbour, Kerg. I. | 30/ 1/74 | 23 | 51°·0 | ... | -19·455 | +27·490 | -4·026 | +7·358 | +1·238 |
| Melbourne. | 30/ 3/74 | 12 | 64°·0 | ... | -20·986 | +28·431 | -3·777 | +8·306 | +0·539 |
| Sydney. | 13/ 4/74 | 6 | 72°·0 | ... | -22·507 | +28·718 | -4·332 | +8·027 | +0·510 |
| Do. | 11/ 5/74 | 28 | 69°·0 | ... | -22·132 | +29·425 | -3·989 | +8·316 | +1·486 |
| Do. | 13/ 5/74 | 7 | 64°·0 | ... | -22·133 | +29·710 | -3·526 | +8·367 | +1·538 |
| Do. | 1/ 6/74 | 14 | 62°·0 | ... | -21·758 | +29·542 | -3·485 | +8·374 | +1·738 |
| Do. | 8/ 6/74 | 7 | 60°·0 | ... | -21·100 | +29·628 | -3·821 | +8·336 | +2·074 |
| Wellington. | 5/ 7/74 | 6 | 58°·0 | ... | -10·733 | +30·953 | -3·417 | +8·703 | +1·110 |
| Ngalesa Harbour. | 9/ 8/74 | 13 | 78°·0 | ... | -23·929 | +29·863 | -4·272 | +8·409 | +4·352 |
| Cape York. | 3/ 9/74 | 5 | 81°·0 | ... | -25·634 | +30·426 | -5·214 | +7·926 | +3·086 |
| Arrou Islands. | 22/ 9/74 | 5 | 83°·0 | ... | -26·234 | +30·696 | -5·104 | +7·836 | +3·436 |
| Amboina. | 10/10/74 | 5 | 83°·0 | ... | -28·116 | +30·654 | -4·946 | +7·934 | +4·034 |
| Manila. | 11/11/74 | 6 | 84°·0 | ... | -34·113 | +30·837 | -4·363 | +8·595 | +3·720 |
| Hong Kong. | 24/11/74 | 7 | 72°·0 | ... | -32·796 | +32·193 | -3·188 | +0·147 | +5·340 |
| Do. | 5/12/74 | 11 | 67°·0 | ... | -31·793 | +32·057 | -2·803 | +8·662 | +3·762 |
| Do. | 15/12/74 | 10 | 69°·0 | ... | -31·871 | +31·139 | -3·096 | +8·629 | +4·689 |
| Do. | 27/12/74 | 12 | 72°·0 | ... | -32·189 | +30·723 | -3·202 | +8·761 | +6·652 |
| Do. | 4/ 1/75 | 8 | 64°·5 | ... | -31·191 | +31·009 | -2·520 | +8·959 | +1·327 |
| Zebu. | 24/ 1/75 | 5 | 82°·0 | ... | -35·236 | +30·454 | -3·596 | +8·494 | +3·054 |
| Samboangan. | 5/ 2/75 | 7 | 82°·5 | ... | -35·110 | +31·226 | -3·438 | +8·440 | +1·733 |
| Nares Harb., Admiralty Is. | 10/ 3/75 | 6 | 83°·5 | ... | -37·345 | +31·038 | -3·395 | +7·988 | +1·205 |
| Yokohama. | 13/ 4/75 | 4 | 62°·5 | ... | -30·885 | +32·715 | -1·848 | +0·302 | +1·265 |
| Do. | 22/ 4/75 | 4 | 61°·0 | ... | -30·818 | +32·482 | -1·218 | +0·220 | +0·082 |
| Do. | 4/ 5/75 | 12 | 61°·0 | ... | -30·826 | +32·362 | -0·238 | +0·074 | +1·787 |
| Do. | 7/ 6/75 | 34 | 69°·0 | ... | -32·794 | +31·394 | -0·434 | +0·082 | +3·897 |
| Do. | 14/ 6/75 | 7 | 73°·5 | ... | -33·941 | +32·637 | -1·834 | +0·258 | +2·667 |
| Honolulu. | 4/ 8/75 | 7 | 80°·5 | ... | -35·416 | +31·921 | -5·557 | +0·350 | +1·257 |
| Do. | 10/ 8/75 | 6 | 81°·5 | ... | -36·200 | +31·866 | -5·466 | +0·017 | +1·625 |
| Tahiti. | 1/10/75 | 9 | 80°·0 | ... | -34·117 | +32·078 | -5·139 | +0·334 | +1·623 |
| Valparaiso. | 27/11/75 | 7 | 67°·0 | ... | -33·011 | +33·060 | -3·490 | +0·060 | +1·734 |
| Do. | 4/12/75 | 7 | 66°·0 | ... | -32·393 | +32·844 | -2·570 | +0·237 | +2·116 |
| Do. | 9/12/75 | 5 | 66°·0 | ... | -32·033 | +33·152 | -2·193 | +0·512 | +3·562 |
| Sandy Point. | 17/ 1/76 | 3 | 57°·5 | ... | -31·983 | +33·242 | -2·673 | +0·127 | +1·877 |
| Port Stanley, Falkland Is. | 31/ 1/76 | 6 | 57°·5 | ... | -31·556 | +32·969 | -3·096 | +8·764 | +1·337 |
| Do. | 6/ 2/76 | 6 | 56°·5 | ... | -31·061 | +32·218 | -1·391 | +9·990 | +1·727 |
| Monte Video. | 24/ 2/76 | 8 | 71°·0 | ... | -33·639 | +33·217 | -3·657 | +0·292 | +3·305 |
| Ascension. | 2/ 4/76 | 5 | 83°·0 | ... | -37·033 | +33·092 | -5·258 | +8·662 | +1·202 |
| St. Vincent. | 25/ 4/76 | 5 | 75°·0 | ... | -34·522 | +33·033 | -4·182 | +11·078 | +1·518 |