

**DIRECCION METEOROLOGICA DE CHILE**

**INFORME  
SOLARIMETRICO  
SEMESTRAL**



**II SEMESTRE 2000**

SUBDIRECCION CLIMATOLOGIA Y MET. APLICADA

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	18°21' S	22°29' S	23°26' S	27°09' S
Longitude	70°19'W	68°54' W	70°26' W	109°25' W
Elevation	58 m	2270 m	135 m	51 m
Station	ARICA	CALAMA	ANTOFAGASTA	ISLA DE PASCUA
Date				
1	12.75	.	11.00	11.40
2	11.05	.	11.45	9.30
3	12.50	.	11.19	6.40
4	13.15	.	9.88	11.49
5	11.44	.	11.55	5.62
6	9.39	.	11.01	10.57
7	8.38	.	11.26	10.57
8	9.52	.	11.79	7.57
9	2.61	.	10.75	8.80
10	7.57	.	12.56	5.36
11	10.86	.	12.93	10.84
12	10.22	.	12.67	10.50
13	11.70	.	11.66	11.64
14	10.62	.	12.30	9.66
15	13.24	.	12.05	12.18
16	9.57	.	11.40	10.03
17	8.69	.	10.30	10.65
18	7.47	.	11.46	8.95
19	13.45	.	11.35	12.56
20	10.11	.	10.69	8.46
21	8.26	.	10.05	10.01
22	14.93	.	11.69	6.31
23	.	.	13.17	9.32
24	12.45	.	12.88	13.24
25	7.50	.	12.05	8.86
26	8.52	.	10.68	1.80
27	12.10	.	11.80	13.56
28	14.81	.	12.68	14.11
29	10.83	.	12.37	13.45
30	6.56	.	13.02	13.32
31	11.65	.	9.33	14.80
<b>TT Monthly Totals</b>	.	.	<b>358.97</b>	<b>311.32</b>
<b> Daily Means</b>	<b>10.40</b>	.	<b>11.58</b>	<b>10.04</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	27°18' S	28°35' S	33°23' S	34°06' S
Longitude	70°25' W	70°46' W	70°47' W	71°45' W
Elevation	291 m	469 m	475 m	296 m
Station	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
Date				
1	.	11.13	7.00	9.29
2	.	12.59	10.30	10.55
3	.	12.68	9.87	9.66
4	.	12.44	10.29	11.17
5	.	8.71	9.02	8.83
6	.	10.47	2.24	4.31
7	.	12.89	1.87	6.45
8	.	8.52	6.19	9.91
9	.	9.86	5.97	8.61
10	.	12.12	9.04	9.10
11	.	13.32	11.33	11.38
12	.	13.29	11.26	11.59
13	.	13.27	9.36	9.81
14	.	9.84	5.43	7.16
15	.	13.37	10.00	11.40
16	.	13.51	10.78	11.31
17	.	6.38	9.53	10.46
18	.	10.52	10.18	12.07
19	.	13.38	10.65	11.76
20	.	12.50	2.70	3.51
21	.	1.99	8.16	12.19
22	.	13.54	11.59	11.70
23	.	13.93	11.25	11.98
24	.	13.76	6.75	11.89
25	.	14.03	11.63	12.71
26	.	9.33	11.59	12.84
27	.	8.50	11.23	12.63
28	.	10.16	11.47	13.20
29	.	13.12	10.99	6.14
30	.	14.31	10.09	12.44
31	.	13.61	12.28	4.56
<b>TT Monthly Totals</b>	.	<b>357.08</b>	<b>280.03</b>	<b>310.59</b>
<b> Daily Means</b>	.	<b>11.52</b>	<b>9.03</b>	<b>10.02</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	34°58' S	35°58' S	36°46' S	37°24' S
Longitude	71°14' W	72°20' W	73°03' W	72°26' W
Elevation	228 m	142 m	12 m	109 m
Station	<b>CURICO</b>	<b>CAUQUENES</b>	<b>CONCEPCION</b>	<b>LOS ANGELES</b>
Date				
1	5.18	6.39	8.34	.
2	.	6.19	6.00	.
3	6.08	3.86	2.69	.
4	6.31	4.24	3.23	.
5	2.06	5.35	2.82	.
6	0.98	1.70	3.90	.
7	3.28	8.71	7.18	.
8	8.63	3.50	9.51	.
9	6.57	7.79	9.59	.
10	9.84	6.92	6.81	.
11	10.37	10.43	10.09	.
12	10.58	10.63	9.97	.
13	6.79	9.06	9.15	.
14	2.83	6.41	6.48	.
15	4.82	7.57	9.80	.
16	6.88	5.45	9.48	.
17	4.42	3.53	8.18	.
18	7.32	9.56	10.61	.
19	11.05	10.37	9.52	.
20	1.29	4.07	7.06	.
21	9.43	10.20	8.51	.
22	5.86	7.16	6.37	.
23	8.72	8.65	9.72	.
24	7.73	.	7.60	.
25	7.39	10.89	10.79	.
26	9.54	11.19	10.69	.
27	4.40	10.45	10.70	.
28	6.93	11.67	11.58	.
29	9.54	10.56	7.80	.
30	4.57	5.83	4.58	.
31	3.10	2.48	1.91	.
<b>TT Monthly Totals</b>	.	.	<b>240.67</b>	.
<b> Daily Means</b>	<b>6.42</b>	<b>7.36</b>	<b>7.76</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	38°45' S	41°25' S	42°55' S	45°35' S
Longitude	72°38' W	73°05' W	72°43' W	72°07' W
Elevation	114 m	85 m	7 m	310 m
Station	<b>TEMUCO</b>	<b>PUERTO MONTT</b>	<b>CHAITEN</b>	<b>COYHAIQUE</b>
Date				
1	4.59	4.46	3.07	3.41
2	5.13	3.59	3.25	4.07
3	0.91	1.17	0.66	4.28
4	2.49	0.93	0.41	5.56
5	1.22	4.69	3.02	0.59
6	4.35	3.15	4.75	0.95
7	5.34	2.70	7.36	2.87
8	5.95	7.84	7.76	2.40
9	9.25	8.05	7.86	2.15
10	8.83	8.04	7.94	5.30
11	9.03	8.04	8.02	2.00
12	9.11	7.54	6.81	6.22
13	4.71	2.51	3.11	2.40
14	3.94	7.11	7.96	6.58
15	5.69	4.41	3.67	3.91
16	7.26	2.51	0.75	4.08
17	9.30	7.03	6.69	6.52
18	9.47	8.38	8.27	6.40
19	2.32	1.52	0.57	4.01
20	5.98	4.19	2.04	2.37
21	4.68	5.29	5.27	4.90
22	3.49	2.39	1.41	2.98
23	5.08	1.93	2.72	5.61
24	8.66	5.83	3.25	6.53
25	7.33	4.15	5.01	4.56
26	3.70	4.79	2.75	2.92
27	8.58	6.81	5.16	4.28
28	10.69	6.32	5.33	7.04
29	7.07	2.19	6.49	5.08
30	2.95	1.50	1.04	0.77
31	2.16	0.96	0.48	4.37
<b>TT Monthly Totals</b>	<b>179.25</b>	<b>140.03</b>	<b>132.88</b>	<b>125.11</b>
<b> Daily Means</b>	<b>5.78</b>	<b>4.52</b>	<b>4.29</b>	<b>4.04</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: JULIO**

**Years: 2000**

**Country: CHILE**

Daily Totals				
<b>Latitude</b>	53°00' S			
<b>Longitude</b>	70°51' W			
<b>Elevation</b>	37 m			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
<b>1</b>	1.28			
<b>2</b>	2.17			
<b>3</b>	1.73			
<b>4</b>	0.99			
<b>5</b>	2.37			
<b>6</b>	2.72			
<b>7</b>	1.73			
<b>8</b>	3.08			
<b>9</b>	3.08			
<b>10</b>	4.06			
<b>11</b>	4.16			
<b>12</b>	1.89			
<b>13</b>	3.21			
<b>14</b>	3.35			
<b>15</b>	1.64			
<b>16</b>	0.97			
<b>17</b>	3.66			
<b>18</b>	3.16			
<b>19</b>	1.43			
<b>20</b>	1.92			
<b>21</b>	3.57			
<b>22</b>	1.04			
<b>23</b>	3.45			
<b>24</b>	4.02			
<b>25</b>	2.07			
<b>26</b>	2.39			
<b>27</b>	2.48			
<b>28</b>	2.86			
<b>29</b>	0.89			
<b>30</b>	0.48			
<b>31</b>	2.84			
<b>TT Monthly Totals</b>	<b>74.69</b>			
<b> Daily Means</b>	<b>2.41</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of</b>	<b>PIRANOMETRO</b>			
<b>Instruments</b>	<b>PSP EPPLEY</b>			

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: AGOSTO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	18°20' S	22°29' S	23°26' S	27°09' S
Longitude	70°20' W	68°54' W	70°26' W	109°25' W
Elevation	58 m	2270 m	135 m	51 m
Station	ARICA	CALAMA	ANTOFAGASTA	ISLA DE PASCUA
Date				
1	17.81	.	9.87	13.50
2	12.31	.	12.50	12.52
3	12.80	.	13.15	10.82
4	9.98	.	11.36	12.99
5	6.92	.	10.28	15.78
6	10.05	.	10.39	.
7	11.69	.	12.09	.
8	10.34	.	13.29	.
9	18.54	.	14.12	.
10	16.20	19.18	12.30	.
11	15.80	11.21	13.84	.
12	10.20	19.54	10.42	.
13	6.97	18.63	12.89	.
14	6.87	19.94	15.24	.
15	11.87	20.48	14.96	.
16	9.08	20.00	14.84	.
17	13.16	19.66	14.08	.
18	15.84	21.11	13.98	.
19	12.88	20.70	14.75	.
20	16.55	20.09	14.22	.
21	13.15	20.87	13.98	.
22	11.61	20.95	13.01	.
23	16.56	20.42	10.37	.
24	5.71	20.97	6.55	.
25	11.98	20.81	14.89	.
26	9.94	21.33	15.56	.
27	9.29	21.00	16.40	.
28	11.73	18.75	15.52	.
29	9.57	17.01	11.91	.
30	9.55	18.60	12.77	.
31	14.45	19.27	12.59	.
<b>TT Monthly Totals</b>	<b>369.39</b>	.	<b>402.10</b>	.
<b> Daily Means</b>	<b>11.92</b>	.	<b>12.97</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: AGOSTO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	27°18' S	28°35' S	33°23' S	34°06' S
Longitude	70°25' W	70°46' W	70°47' W	71°45' W
Elevation	291 m	469 m	475 m	296 m
Station	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
Date				
1	.	9.06	8.99	5.27
2	.	14.53	6.67	13.38
3	.	14.28	12.59	13.16
4	.	10.55	2.26	11.72
5	.	12.94	10.61	7.44
6	.	14.89	12.18	13.02
7	.	15.12	12.95	13.65
8	.	11.81	12.49	13.61
9	.	14.05	13.45	12.66
10	.	7.46	11.01	7.21
11	.	14.60	12.52	6.12
12	.	16.23	10.14	12.38
13	.	14.46	10.91	12.33
14	.	16.37	9.67	6.51
15	.	16.52	7.60	8.46
16	.	16.99	9.41	8.46
17	.	17.03	12.81	12.08
18	.	14.04	14.76	14.97
19	.	14.19	10.95	2.70
20	.	13.11	8.20	.
21	.	15.05	4.29	5.29
22	.	15.97	6.70	10.37
23	.	16.98	12.75	6.76
24	.	18.02	12.20	14.64
25	.	17.90	14.01	10.77
26	.	18.57	11.17	11.01
27	.	18.02	13.34	17.32
28	.	19.02	5.20	10.51
29	.	18.95	7.44	10.79
30	.	13.29	15.54	17.51
31	.	11.14	16.33	17.19
<b>TT Monthly Totals</b>	.	<b>461.15</b>	<b>329.14</b>	.
<b> Daily Means</b>	.	<b>14.88</b>	<b>10.62</b>	<b>10.91</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	34°58' S	35°58' S	36°46' S	37°24' S
<b>Longitude</b>	71°14' W	72°20' W	73°03' W	72°26' W
<b>Elevation</b>	228 m	142 m	12 m	109 m
<b>Station</b>	<b>CURICO</b>	<b>CAUQUENES</b>	<b>CONCEPCION</b>	<b>LOS ANGELES</b>
<b>Date</b>				
<b>1</b>	4.12	8.53	10.99	.
<b>2</b>	10.62	12.38	12.15	.
<b>3</b>	12.38	12.05	11.54	.
<b>4</b>	3.08	6.91	4.16	.
<b>5</b>	2.51	1.70	1.26	.
<b>6</b>	5.67	5.15	1.04	.
<b>7</b>	2.97	11.13	11.85	.
<b>8</b>	11.21	11.96	12.27	.
<b>9</b>	9.49	13.38	13.02	.
<b>10</b>	12.00	13.20	13.07	.
<b>11</b>	12.53	4.92	9.08	.
<b>12</b>	7.98	5.47	4.27	.
<b>13</b>	10.36	2.95	5.98	.
<b>14</b>	4.61	3.67	3.80	.
<b>15</b>	7.11	5.05	6.89	.
<b>16</b>	5.05	5.86	2.60	.
<b>17</b>	9.04	8.07	10.01	.
<b>18</b>	10.81	11.57	7.89	.
<b>19</b>	7.03	7.97	8.58	.
<b>20</b>	2.56	9.88	10.37	.
<b>21</b>	9.86	5.56	4.21	.
<b>22</b>	7.05	4.26	5.27	.
<b>23</b>	3.64	8.60	7.62	.
<b>24</b>	14.37	10.52	4.14	.
<b>25</b>	8.59	7.08	12.36	.
<b>26</b>	7.86	14.44	15.68	.
<b>27</b>	12.19	15.55	14.96	.
<b>28</b>	5.13	3.75	2.73	.
<b>29</b>	7.98	8.59	4.35	.
<b>30</b>	15.90	16.70	15.80	.
<b>31</b>	17.16	17.22	17.25	.
<b>TT Monthly Totals</b>	<b>260.88</b>	<b>274.09</b>	<b>265.23</b>	.
<b> Daily Means</b>	<b>8.42</b>	<b>8.84</b>	<b>8.56</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: AGOSTO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	38°45' S	41°25' S	42°55' S	45°35' S
Longitude	72°38' W	73°05' W	72°43' W	72°07' W
Elevation	114 m	85 m	7 m	310 m
Station	TEMUCO	PUERTO MONTT	CHAITEN	COYHAIQUE
Date				
1	7.38	8.25	3.70	6.71
2	9.00	7.90	5.72	7.62
3	8.42	6.53	7.14	7.21
4	7.89	5.76	4.67	2.66
5	1.84	6.92	2.02	3.54
6	2.88	5.00	3.99	6.67
7	7.39	7.30	3.77	4.16
8	9.00	8.27	4.86	8.21
9	11.99	10.48	11.12	8.77
10	12.30	11.77	11.60	9.74
11	5.94	11.71	11.68	9.58
12	6.46	7.22	8.99	7.87
13	3.18	5.09	2.23	4.81
14	6.13	3.24	4.25	9.00
15	6.29	2.81	1.31	4.46
16	5.47	6.44	4.81	9.18
17	9.19	4.86	3.23	9.76
18	7.49	2.60	0.86	5.05
19	9.37	2.71	2.32	4.20
20	6.18	8.75	10.10	6.79
21	3.90	6.86	8.40	12.03
22	10.15	6.92	13.09	10.80
23	6.56	13.04	13.15	11.83
24	4.31	9.47	5.70	10.86
25	8.89	8.82	3.70	11.24
26	7.46	3.93	2.49	10.93
27	10.83	8.25	4.19	4.86
28	2.73	7.68	4.54	9.00
29	3.01	3.45	2.27	6.67
30	12.91	12.41	10.21	10.38
31	12.63	5.58	9.51	11.21
<b>TT Monthly Totals</b>	<b>227.19</b>	<b>220.02</b>	<b>185.64</b>	<b>245.79</b>
Daily Means	<b>7.33</b>	<b>7.10</b>	<b>5.99</b>	<b>7.93</b>
<b>SS Monthly Totals</b>				
Daily Means				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

Daily Totals				
<b>Latitude</b>	53°00' S			
<b>Longitude</b>	70°51' W			
<b>Elevation</b>	37 m			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
1	4.20			
2	5.31			
3	4.48			
4	1.70			
5	1.83			
6	2.35			
7	3.93			
8	4.51			
9	4.63			
10	3.47			
11	3.97			
12	6.87			
13	5.98			
14	6.62			
15	5.71			
16	5.26			
17	6.77			
18	7.53			
19	5.31			
20	7.21			
21	7.20			
22	7.19			
23	5.23			
24	5.54			
25	5.12			
26	8.58			
27	4.42			
28	7.35			
29	5.38			
30	5.75			
31	7.55			
<b>TT Monthly Totals</b>	<b>166.94</b>			
<b> Daily Means</b>	<b>5.39</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of</b>	<b>PIRANOMETRO</b>			
<b>Instruments</b>	<b>PSP EPPLEY</b>			



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>27°18' S</b>	<b>28°35' S</b>	<b>33°23' S</b>	<b>34°06' S</b>
<b>Longitude</b>	<b>70°25' W</b>	<b>70°46' W</b>	<b>70°47' W</b>	<b>71°45' W</b>
<b>Elevation</b>	<b>291 m</b>	<b>469 m</b>	<b>475 m</b>	<b>296 m</b>
<b>Station</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
<b>Date</b>				
<b>1</b>	.	15.63	16.34	18.42
<b>2</b>	.	19.69	16.98	18.61
<b>3</b>	.	14.67	16.48	9.24
<b>4</b>	.	11.59	11.43	6.24
<b>5</b>	.	19.64	11.90	11.28
<b>6</b>	.	.	10.11	15.90
<b>7</b>	.	18.51	6.81	14.31
<b>8</b>	.	20.00	2.73	3.57
<b>9</b>	.	10.32	4.12	1.67
<b>10</b>	.	3.63	5.95	10.20
<b>11</b>	.	17.09	5.80	10.17
<b>12</b>	.	18.99	4.06	12.86
<b>13</b>	.	14.92	13.78	7.02
<b>14</b>	.	.	16.71	14.67
<b>15</b>	.	17.28	16.09	17.75
<b>16</b>	.	21.69	18.87	18.02
<b>17</b>	.	21.74	11.40	7.13
<b>18</b>	.	22.09	17.82	15.41
<b>19</b>	.	21.37	13.31	6.55
<b>20</b>	.	22.43	6.51	6.62
<b>21</b>	.	22.46	17.46	20.47
<b>22</b>	.	22.42	15.22	16.54
<b>23</b>	.	13.49	19.34	21.70
<b>24</b>	.	22.28	21.48	22.69
<b>25</b>	.	22.71	21.40	22.13
<b>26</b>	.	19.20	21.25	22.74
<b>27</b>	.	18.57	20.43	6.57
<b>28</b>	.	20.18	17.04	12.47
<b>29</b>	.	23.66	18.43	23.12
<b>30</b>	.	23.86	21.57	23.15
<b>31</b>				
<b>TT Monthly Totals</b>	.	.	<b>420.82</b>	<b>417.20</b>
<b> Daily Means</b>	.	<b>18.58</b>	<b>14.03</b>	<b>13.91</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: SEPTIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	38°45' S	41°25' S	42°55' S	45°35' S
Longitude	72°38' W	73°05' W	72°43' W	72°07' W
Elevation	114 m	85 m	7 m	310 m
Station	TEMUCO	PUERTO MONTT	CHAITEN	COYHAIQUE
Date				
1	8.47	12.90	5.37	11.09
2	16.70	14.25	7.82	8.10
3	16.56	11.89	8.32	12.90
4	15.71	9.96	3.37	3.78
5	11.18	7.02	.	3.44
6	5.98	4.93	.	4.60
7	4.61	9.20	5.66	13.10
8	3.52	5.07	10.23	8.02
9	2.25	2.67	4.21	1.45
10	8.98	9.60	5.42	5.38
11	11.28	12.84	13.34	11.02
12	5.01	14.42	14.44	16.56
13	5.68	15.98	17.49	10.85
14	3.73	7.45	13.46	13.32
15	13.11	15.33	6.56	16.01
16	6.23	6.35	3.73	13.59
17	10.23	4.86	4.43	6.97
18	9.50	8.07	7.18	11.17
19	4.25	4.89	5.33	11.74
20	5.92	8.35	4.50	4.17
21	6.51	5.17	3.67	10.48
22	3.53	9.13	2.33	11.48
23	16.47	10.25	13.65	15.95
24	18.51	13.34	7.49	10.78
25	19.02	6.43	2.47	7.59
26	16.84	14.33	6.49	10.84
27	12.96	11.97	5.19	12.68
28	9.83	5.66	6.78	10.64
29	16.21	10.95	4.13	7.20
30	18.88	16.11	20.04	16.72
31				
<b>TT Monthly Totals</b>	<b>307.71</b>	<b>289.38</b>	<b>.</b>	<b>301.61</b>
<b> Daily Means</b>	<b>10.26</b>	<b>9.65</b>	<b>7.61</b>	<b>10.05</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>53°00' S</b>			
<b>Longitude</b>	<b>70°51' W</b>			
<b>Elevation</b>	<b>37 m</b>			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
<b>1</b>	8.00			
<b>2</b>	9.23			
<b>3</b>	8.13			
<b>4</b>	10.21			
<b>5</b>	10.37			
<b>6</b>	10.27			
<b>7</b>	9.74			
<b>8</b>	10.26			
<b>9</b>	8.29			
<b>10</b>	7.37			
<b>11</b>	8.62			
<b>12</b>	9.77			
<b>13</b>	11.48			
<b>14</b>	13.54			
<b>15</b>	10.92			
<b>16</b>	11.50			
<b>17</b>	8.44			
<b>18</b>	8.44			
<b>19</b>	10.81			
<b>20</b>	8.55			
<b>21</b>	8.32			
<b>22</b>	4.67			
<b>23</b>	11.36			
<b>24</b>	9.42			
<b>25</b>	15.72			
<b>26</b>	5.12			
<b>27</b>	14.36			
<b>28</b>	16.34			
<b>29</b>	16.58			
<b>30</b>	16.17			
<b>31</b>				
<b>TT Monthly Totals</b>	<b>311.99</b>			
<b> Daily Means</b>	<b>10.40</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>			



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **OCTUBRE**

Years: **2000**

Country: **CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>18°20' S</b>	<b>22°29' S</b>	<b>23°26' S</b>	<b>27°09' S</b>
<b>Longitude</b>	<b>70°20'W</b>	<b>68°54' W</b>	<b>70°26' W</b>	<b>109°25' W</b>
<b>Elevation</b>	<b>58 m</b>	<b>2270 m</b>	<b>135 m</b>	<b>51 m</b>
<b>Station</b>	<b>ARICA</b>	<b>CALAMA</b>	<b>ANTOFAGASTA</b>	<b>ISLA DE PASCUA</b>
<b>Date</b>				
<b>1</b>	24.54	26.05	16.85	18.79
<b>2</b>	20.82	25.42	16.96	15.49
<b>3</b>	14.94	25.96	15.88	21.86
<b>4</b>	17.86	25.57	14.71	19.74
<b>5</b>	19.54	26.67	.	19.39
<b>6</b>	21.05	26.79	18.49	5.42
<b>7</b>	20.49	26.90	19.16	4.04
<b>8</b>	21.54	26.74	19.02	14.33
<b>9</b>	23.60	22.36	19.14	20.31
<b>10</b>	19.62	27.15	13.51	21.65
<b>11</b>	16.76	25.29	14.49	21.29
<b>12</b>	16.65	25.34	15.76	13.70
<b>13</b>	17.95	27.22	17.53	18.56
<b>14</b>	19.97	27.16	15.23	18.16
<b>15</b>	18.95	26.54	17.85	20.02
<b>16</b>	24.44	27.71	19.67	6.57
<b>17</b>	23.49	27.83	18.60	22.47
<b>18</b>	21.56	22.35	16.75	25.17
<b>19</b>	15.69	28.38	19.26	22.14
<b>20</b>	16.10	27.65	17.39	25.14
<b>21</b>	2.39	25.73	16.16	17.76
<b>22</b>	20.86	27.70	20.57	15.52
<b>23</b>	16.75	28.66	19.77	8.29
<b>24</b>	17.63	28.56	19.26	18.34
<b>25</b>	18.98	27.62	17.87	21.42
<b>26</b>	21.72	28.84	19.57	11.57
<b>27</b>	25.03	29.17	20.91	24.90
<b>28</b>	25.50	29.21	19.57	22.28
<b>29</b>	18.76	28.07	18.98	26.48
<b>30</b>	17.15	26.28	17.71	28.30
<b>31</b>	22.67	28.76	13.82	24.33
<b>TT Monthly Totals</b>	<b>603.00</b>	<b>833.71</b>	<b>.</b>	<b>573.43</b>
<b> Daily Means</b>	<b>19.45</b>	<b>26.89</b>	<b>17.68</b>	<b>18.50</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **OCTUBRE**

Years: **2000**

Country: **CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>27°18' S</b>	<b>28°35' S</b>	<b>33°23' S</b>	<b>34°06' S</b>
<b>Longitude</b>	<b>70°25' W</b>	<b>70°46' W</b>	<b>70°47' W</b>	<b>71°45' W</b>
<b>Elevation</b>	<b>291 m</b>	<b>469 m</b>	<b>475 m</b>	<b>296 m</b>
<b>Station</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
<b>Date</b>				
<b>1</b>	.	16.97	22.22	4.93
<b>2</b>	.	23.75	17.40	18.65
<b>3</b>	.	23.98	22.18	20.77
<b>4</b>	.	.	23.19	24.10
<b>5</b>	.	24.08	23.40	23.79
<b>6</b>	.	23.77	23.32	24.01
<b>7</b>	.	20.19	22.59	24.14
<b>8</b>	.	17.89	24.14	22.76
<b>9</b>	.	24.88	24.39	25.05
<b>10</b>	.	.	24.14	24.89
<b>11</b>	.	.	24.42	25.25
<b>12</b>	.	.	24.59	25.19
<b>13</b>	.	24.84	24.28	25.39
<b>14</b>	.	23.41	24.18	25.27
<b>15</b>	.	22.36	20.50	21.88
<b>16</b>	.	22.06	25.30	25.10
<b>17</b>	.	23.61	23.45	22.22
<b>18</b>	.	25.96	22.31	5.86
<b>19</b>	.	26.56	22.90	25.44
<b>20</b>	.	20.64	24.29	22.25
<b>21</b>	.	19.97	11.76	15.35
<b>22</b>	.	24.16	23.17	19.22
<b>23</b>	.	26.48	19.79	10.43
<b>24</b>	.	25.91	17.46	21.91
<b>25</b>	.	26.88	16.06	13.28
<b>26</b>	.	27.04	25.94	26.86
<b>27</b>	.	25.90	26.22	26.85
<b>28</b>	.	26.93	24.39	24.61
<b>29</b>	.	27.07	25.22	12.23
<b>30</b>	.	10.24	7.75	9.95
<b>31</b>	.	.	5.32	7.74
<b>TT Monthly Totals</b>	.	.	<b>666.25</b>	<b>625.35</b>
<b> Daily Means</b>	.	<b>23.29</b>	<b>21.49</b>	<b>20.17</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>34°58' S</b>	<b>35°58' S</b>	<b>36°46' S</b>	<b>37°24' S</b>
<b>Longitude</b>	<b>71°14' W</b>	<b>72°20' W</b>	<b>73°03' W</b>	<b>72°26' W</b>
<b>Elevation</b>	<b>228 m</b>	<b>142 m</b>	<b>12 m</b>	<b>109 m</b>
<b>Station</b>	<b>CURICO</b>	<b>CAUQUENES</b>	<b>CONCEPCION</b>	<b>LOS ANGELES</b>
<b>Date</b>				
<b>1</b>	15.49	16.79	6.28	20.24
<b>2</b>	9.11	10.38	8.73	7.67
<b>3</b>	20.17	19.12	14.48	14.81
<b>4</b>	19.18	22.89	23.22	22.70
<b>5</b>	21.01	22.68	21.38	17.09
<b>6</b>	21.63	22.88	20.86	23.12
<b>7</b>	21.75	22.20	22.47	22.19
<b>8</b>	18.45	11.69	14.99	11.37
<b>9</b>	23.30	23.73	23.86	21.97
<b>10</b>	17.92	24.11	24.48	23.67
<b>11</b>	15.93	21.74	10.70	12.37
<b>12</b>	21.43	17.00	23.78	20.33
<b>13</b>	24.11	23.93	24.27	23.69
<b>14</b>	23.71	20.39	21.60	22.99
<b>15</b>	15.08	18.40	21.66	21.11
<b>16</b>	19.43	24.46	24.88	24.35
<b>17</b>	24.12	24.86	25.20	24.74
<b>18</b>	23.74	24.23	23.74	23.88
<b>19</b>	22.31	20.59	18.22	18.40
<b>20</b>	23.18	21.96	8.42	22.70
<b>21</b>	5.92	7.98	5.11	5.77
<b>22</b>	13.80	19.61	18.99	18.32
<b>23</b>	20.01	24.65	25.52	21.53
<b>24</b>	14.45	7.21	12.90	8.01
<b>25</b>	13.28	20.95	8.48	5.32
<b>26</b>	23.68	24.82	18.61	15.89
<b>27</b>	23.57	26.80	27.35	25.20
<b>28</b>	23.44	25.97	26.39	25.67
<b>29</b>	21.49	26.50	22.69	26.59
<b>30</b>	6.01	5.85	5.36	3.57
<b>31</b>	10.14	10.72	14.24	9.84
<b>TT Monthly Totals</b>	<b>576.85</b>	<b>615.08</b>	<b>568.87</b>	<b>565.11</b>
<b> Daily Means</b>	<b>18.61</b>	<b>19.84</b>	<b>18.35</b>	<b>18.23</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>38°45' S</b>	<b>41°25' S</b>	<b>42°55' S</b>	<b>45°35' S</b>
<b>Longitude</b>	<b>72°38' W</b>	<b>73°05' W</b>	<b>72°43' W</b>	<b>72°07' W</b>
<b>Elevation</b>	<b>114 m</b>	<b>85 m</b>	<b>7 m</b>	<b>310 m</b>
<b>Station</b>	<b>TEMUCO</b>	<b>PUERTO MONTT</b>	<b>CHAITEN</b>	<b>COYHAIQUE</b>
<b>Date</b>				
<b>1</b>	17.96	18.69	19.37	19.99
<b>2</b>	10.72	6.49	4.79	10.82
<b>3</b>	8.74	8.68	15.52	12.59
<b>4</b>	19.44	15.90	12.58	18.45
<b>5</b>	11.70	4.83	2.39	7.84
<b>6</b>	20.94	16.17	14.81	12.96
<b>7</b>	19.16	10.83	10.73	8.30
<b>8</b>	5.51	7.81	11.86	19.06
<b>9</b>	15.41	11.37	7.69	15.42
<b>10</b>	13.12	6.14	1.06	2.99
<b>11</b>	7.39	1.65	2.31	8.18
<b>12</b>	16.65	15.30	3.80	7.33
<b>13</b>	20.28	8.05	9.47	18.70
<b>14</b>	22.44	23.21	23.38	23.58
<b>15</b>	23.88	23.31	23.37	21.24
<b>16</b>	24.22	19.37	14.24	13.19
<b>17</b>	24.54	9.62	4.48	22.57
<b>18</b>	24.37	17.15	8.18	11.90
<b>19</b>	13.14	15.14	6.70	9.33
<b>20</b>	16.23	10.41	4.69	8.37
<b>21</b>	6.12	3.06	5.41	21.08
<b>22</b>	16.95	21.86	24.86	25.15
<b>23</b>	24.79	25.24	25.59	24.52
<b>24</b>	25.11	25.14	25.36	24.94
<b>25</b>	12.75	25.43	19.59	23.83
<b>26</b>	11.15	18.82	9.35	23.54
<b>27</b>	21.49	19.05	18.48	22.56
<b>28</b>	26.03	22.29	25.06	22.99
<b>29</b>	21.72	25.86	24.12	25.91
<b>30</b>	14.28	21.48	23.23	20.84
<b>31</b>	8.80	7.79	2.53	11.27
<b>TT Monthly Totals</b>	<b>525.02</b>	<b>466.15</b>	<b>404.97</b>	<b>519.44</b>
<b> Daily Means</b>	<b>16.94</b>	<b>15.04</b>	<b>13.06</b>	<b>16.76</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>53°00' S</b>			
<b>Longitude</b>	<b>70°51' W</b>			
<b>Elevation</b>	<b>37 m</b>			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
<b>1</b>	17.96			
<b>2</b>	10.72			
<b>3</b>	8.74			
<b>4</b>	19.44			
<b>5</b>	11.70			
<b>6</b>	20.94			
<b>7</b>	19.16			
<b>8</b>	5.51			
<b>9</b>	15.41			
<b>10</b>	13.12			
<b>11</b>	7.39			
<b>12</b>	16.65			
<b>13</b>	20.28			
<b>14</b>	22.44			
<b>15</b>	23.88			
<b>16</b>	24.22			
<b>17</b>	24.54			
<b>18</b>	24.37			
<b>19</b>	13.14			
<b>20</b>	16.23			
<b>21</b>	6.12			
<b>22</b>	16.95			
<b>23</b>	24.79			
<b>24</b>	25.11			
<b>25</b>	12.75			
<b>26</b>	11.15			
<b>27</b>	21.49			
<b>28</b>	26.03			
<b>29</b>	21.72			
<b>30</b>	14.28			
<b>31</b>	8.80			
<b>TT Monthly Totals</b>	<b>525.02</b>			
<b> Daily Means</b>	<b>16.94</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>			

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **NOVIEMBRE**Years: **2000**Country: **CHILE**

Daily Totals				
Latitude	18°20' S	22°29' S	23°26' S	27°09' S
Longitude	70°20'W	68°54' W	70°26' W	109°25' W
Elevation	58 m	2270 m	135 m	51 m
Station	ARICA	CALAMA	ANTOFAGASTA	ISLA DE PASCUA
Date				
1	22.26	27.96	20.73	26.66
2	24.92	29.07	21.25	19.27
3	21.47	28.97	20.81	28.68
4	17.91	29.20	19.54	28.04
5	21.30	29.16	21.15	26.08
6	25.09	29.30	20.60	22.00
7	21.10	29.55	20.40	27.26
8	26.06	28.53	21.92	26.69
9	24.70	29.60	21.24	17.24
10	25.35	29.98	20.79	28.92
11	21.91	29.97	21.46	12.23
12	23.17	.	22.17	28.87
13	19.63	.	22.99	28.49
14	19.17	.	18.01	26.45
15	21.55	.	21.15	25.91
16	25.87	.	22.73	10.76
17	23.37	.	20.62	16.53
18	25.19	.	21.14	22.09
19	23.80	.	21.17	20.69
20	26.50	.	21.91	17.43
21	25.63	.	21.51	24.30
22	26.75	.	22.15	21.08
23	27.96	.	21.87	28.49
24	27.28	.	.	22.51
25	.	.	21.29	6.45
26	.	.	21.91	12.60
27	24.12	.	21.55	27.73
28	24.55	.	22.05	13.72
29	26.89	.	21.80	27.23
30	24.64	.	20.03	25.37
31				
<b>TT Monthly Totals</b>	.	.	.	<b>669.75</b>
<b> Daily Means</b>	<b>23.86</b>	.	<b>21.24</b>	<b>22.32</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **NOVIEMBRE**Years: **2000**Country: **CHILE**

Daily Totals				
Latitude	27°18' S	28°35' S	33°23' S	34°06' S
Longitude	70°25' W	70°46' W	70°47' W	71°45' W
Elevation	291 m	469 m	475 m	296 m
Station	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
Date				
1	.	.	22.78	25.33
2	.	25.89	14.51	16.19
3	.	24.64	21.89	24.64
4	.	26.43	9.13	12.52
5	.	26.30	21.96	22.80
6	.	26.23	17.01	23.15
7	.	25.81	19.02	18.92
8	.	25.47	17.94	25.74
9	.	26.70	23.08	10.73
10	.	21.30	21.79	29.11
11	.	28.35	29.00	22.96
12	.	27.70	28.48	25.23
13	.	27.48	27.86	29.53
14	.	.	29.36	30.16
15	.	26.67	29.05	29.86
16	.	27.47	28.57	29.33
17	.	27.07	28.16	.
18	.	24.04	28.31	.
19	.	27.42	28.68	.
20	.	26.76	28.96	.
21	.	22.19	21.65	21.84
22	.	.	28.49	29.08
23	.	.	27.79	29.91
24	.	28.16	29.00	30.21
25	.	27.82	28.44	29.57
26	.	24.38	27.95	28.02
27	.	23.55	29.23	30.15
28	.	22.85	28.06	30.15
29	.	27.93	29.25	30.67
30	.	28.09	29.36	29.47
31				
<b>TT Monthly Totals</b>	.	.	<b>754.74</b>	.
<b> Daily Means</b>	.	<b>26.03</b>	<b>25.16</b>	<b>25.59</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: NOVIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>34°58' S</b>	<b>35°58' S</b>	<b>36°46' S</b>	<b>37°24' S</b>
<b>Longitude</b>	<b>71°14' W</b>	<b>72°20' W</b>	<b>73°03' W</b>	<b>72°26' W</b>
<b>Elevation</b>	<b>228 m</b>	<b>142 m</b>	<b>12 m</b>	<b>109 m</b>
<b>Station</b>	<b>CURICO</b>	<b>CAUQUENES</b>	<b>CONCEPCION</b>	<b>LOS ANGELES</b>
<b>Date</b>				
<b>1</b>	.	25.66	25.85	26.10
<b>2</b>	.	20.13	18.39	22.04
<b>3</b>	.	23.55	25.24	20.89
<b>4</b>	.	9.00	10.14	14.00
<b>5</b>	.	26.60	27.60	20.50
<b>6</b>	.	25.09	26.18	22.09
<b>7</b>	.	20.09	28.21	25.76
<b>8</b>	.	26.88	28.62	22.19
<b>9</b>	.	12.71	16.44	15.82
<b>10</b>	.	26.94	7.04	6.21
<b>11</b>	.	26.04	18.98	10.49
<b>12</b>	.	26.85	29.39	21.17
<b>13</b>	.	25.27	22.94	16.58
<b>14</b>	.	29.52	30.33	27.75
<b>15</b>	.	28.74	29.10	31.27
<b>16</b>	.	.	29.64	27.24
<b>17</b>	.	29.47	28.13	25.82
<b>18</b>	.	28.83	28.84	25.70
<b>19</b>	.	28.37	30.15	28.70
<b>20</b>	.	29.56	30.07	28.25
<b>21</b>	.	29.13	26.46	27.22
<b>22</b>	.	26.75	27.61	23.07
<b>23</b>	.	29.26	29.85	28.19
<b>24</b>	.	30.42	30.75	29.70
<b>25</b>	.	27.96	28.53	26.31
<b>26</b>	.	28.90	18.15	17.09
<b>27</b>	.	29.43	28.65	28.69
<b>28</b>	.	29.46	30.22	28.82
<b>29</b>	.	29.75	30.43	28.52
<b>30</b>	.	30.02	30.60	28.57
<b>31</b>				
<b>TT Monthly Totals</b>	.	.	<b>772.54</b>	<b>704.75</b>
<b> Daily Means</b>	.	<b>26.22</b>	<b>25.75</b>	<b>23.49</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **NOVIEMBRE**Years: **2000**Country: **CHILE**

Daily Totals				
Latitude	38°45' S	41°25' S	42°55' S	45°35' S
Longitude	72°38' W	73°05' W	72°43' W	72°07' W
Elevation	114 m	85 m	7 m	310 m
Station	<b>TEMUCO</b>	<b>PUERTO MONTT</b>	<b>CHAITEN</b>	<b>COYHAIQUE</b>
Date				
1	24.89	16.73	17.68	26.24
2	20.28	17.04	18.44	21.21
3	9.43	12.69	23.50	16.71
4	13.53	12.69	14.84	19.13
5	18.67	20.45	23.19	20.96
6	16.40	17.51	13.65	19.02
7	22.46	16.19	9.24	21.35
8	26.24	14.90	12.36	22.66
9	19.41	19.02	12.69	14.78
10	7.73	7.02	4.43	12.61
11	4.22	9.44	8.31	17.06
12	19.73	15.14	8.55	8.13
13	21.91	26.03	29.18	28.58
14	29.58	28.17	29.12	28.09
15	29.50	27.37	28.68	19.51
16	23.98	17.90	3.03	9.17
17	16.46	16.22	5.12	5.64
18	23.97	17.34	8.37	17.57
19	30.20	15.61	15.39	20.23
20	26.81	8.99	5.63	22.13
21	21.09	19.00	21.32	19.07
22	25.04	9.87	11.20	18.93
23	28.90	29.99	28.49	15.33
24	31.56	27.43	28.41	23.19
25	13.54	5.32	2.45	11.44
26	18.34	5.93	5.86	18.94
27	26.52	16.15	22.49	30.91
28	28.61	25.26	27.59	30.41
29	30.54	28.53	30.52	29.94
30	29.53	11.55	4.97	20.86
31				
<b>TT Monthly Totals</b>	<b>659.05</b>	<b>515.49</b>	<b>474.69</b>	<b>589.79</b>
<b> Daily Means</b>	<b>21.97</b>	<b>17.18</b>	<b>15.82</b>	<b>19.66</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: NOVIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>53°00' S</b>			
<b>Longitude</b>	<b>70°51' W</b>			
<b>Elevation</b>	<b>37 m</b>			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
<b>1</b>	19.31			
<b>2</b>	17.45			
<b>3</b>	4.11			
<b>4</b>	13.78			
<b>5</b>	22.08			
<b>6</b>	18.74			
<b>7</b>	23.81			
<b>8</b>	15.11			
<b>9</b>	18.62			
<b>10</b>	9.89			
<b>11</b>	17.46			
<b>12</b>	26.63			
<b>13</b>	27.76			
<b>14</b>	14.89			
<b>15</b>	13.86			
<b>16</b>	27.92			
<b>17</b>	23.46			
<b>18</b>	20.90			
<b>19</b>	17.99			
<b>20</b>	22.16			
<b>21</b>	19.63			
<b>22</b>	19.33			
<b>23</b>	20.05			
<b>24</b>	20.30			
<b>25</b>	11.85			
<b>26</b>	24.92			
<b>27</b>	22.04			
<b>28</b>	15.94			
<b>29</b>	9.82			
<b>30</b>	17.16			
<b>31</b>				
<b>TT Monthly Totals</b>	<b>556.97</b>			
<b> Daily Means</b>	<b>18.57</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>			



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: DICIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	27°18' S	28°35' S	33°23' S	34°06' S
Longitude	70°25' W	70°46' W	70°47' W	71°45' W
Elevation	291 m	469 m	475 m	296 m
Station	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>PUDAHUEL</b>	<b>HIDANGO</b>
Date				
1	.	28.18	29.93	30.46
2	.	27.92	30.33	31.15
3	.	27.54	30.75	31.14
4	.	28.43	30.38	30.71
5	.	.	30.54	26.73
6	.	.	28.30	25.71
7	.	29.25	24.51	30.06
8	.	29.09	29.72	31.28
9	.	23.02	30.39	30.59
10	.	27.56	29.48	30.46
11	.	27.51	30.36	30.57
12	.	26.87	30.17	31.13
13	.	25.95	29.96	30.83
14	.	28.90	26.22	22.10
15	.	28.97	30.09	30.72
16	.	29.11	29.85	29.67
17	.	24.55	30.04	30.13
18	.	21.87	29.56	27.41
19	.	26.95	28.50	10.50
20	.	.	28.71	10.68
21	.	25.48	28.01	24.75
22	.	28.77	29.33	30.19
23	.	24.48	29.77	31.57
24	.	28.81	30.38	29.66
25	.	25.78	20.39	.
26	.	24.92	18.58	28.85
27	.	25.86	29.93	30.81
28	.	29.05	26.09	29.81
29	.	28.71	29.72	27.00
30	.	25.69	29.38	30.90
31	.	28.54	28.56	24.43
<b>TT Monthly Totals</b>	.	.	<b>887.91</b>	.
<b> Daily Means</b>	.	<b>27.06</b>	<b>28.64</b>	<b>28.00</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: DICIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	34°58' S	35°58' S	36°46' S	37°24' S
Longitude	71°14' W	72°20' W	73°03' W	72°26' W
Elevation	228 m	142 m	12 m	109 m
Station	CURICO	CAUQUENES	CONCEPCION	LOS ANGELES
Date				
1	25.32	29.69	30.03	27.93
2	.	31.27	30.77	29.30
3	.	28.19	30.67	29.48
4	27.62	30.30	29.98	28.76
5	27.54	30.44	30.01	28.89
6	26.79	29.96	30.16	28.23
7	26.98	31.75	31.31	30.44
8	27.79	30.89	30.53	29.78
9	27.66	30.92	30.53	27.42
10	27.46	30.70	30.24	27.53
11	27.33	31.40	30.87	29.90
12	27.89	30.61	30.57	29.83
13	27.24	27.11	22.25	26.09
14	15.34	11.53	7.92	9.70
15	24.24	31.62	31.86	30.59
16	26.84	25.96	29.49	26.48
17	26.74	30.60	29.77	28.37
18	26.63	29.26	29.04	29.72
19	25.86	30.31	31.50	30.47
20	24.82	29.63	22.46	27.93
21	20.65	26.63	21.67	25.08
22	26.55	29.57	30.99	29.58
23	.	30.86	30.99	29.40
24	.	27.39	21.11	19.72
25	18.77	27.04	21.75	26.52
26	23.25	28.21	29.82	17.81
27	27.09	30.60	31.69	30.46
28	25.92	30.78	31.41	30.05
29	27.09	30.77	31.06	29.61
30	26.67	30.50	31.13	29.66
31	26.34	30.23	16.35	29.32
<b>TT Monthly Totals</b>	.	<b>904.73</b>	<b>867.94</b>	<b>854.05</b>
<b> Daily Means</b>	<b>25.64</b>	<b>29.18</b>	<b>28.00</b>	<b>27.55</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>	<b>PIRANOMETRO PSP EPPLEY</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: DICIEMBRE**

**Years: 2000**

**Country: CHILE**

Daily Totals				
<b>Latitude</b>	53°00' S			
<b>Longitude</b>	70°51' W			
<b>Elevation</b>	37 m			
<b>Station</b>	<b>PUNTA ARENAS</b>			
<b>Date</b>				
1	29.40			
2	20.52			
3	7.86			
4	15.85			
5	21.01			
6	18.29			
7	20.64			
8	11.80			
9	16.50			
10	15.22			
11	15.85			
12	13.50			
13	28.61			
14	15.72			
15	15.12			
16	10.44			
17	19.94			
18	27.98			
19	12.12			
20	31.49			
21	23.18			
22	25.52			
23	8.51			
24	24.90			
25	17.20			
26	19.46			
27	18.06			
28	22.64			
29	20.80			
30	20.08			
31	27.81			
<b>TT Monthly Totals</b>	<b>595.99</b>			
<b> Daily Means</b>	<b>19.23</b>			
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of</b>	<b>PIRANOMETRO</b>			
<b>Instruments</b>	<b>PSP EPPLEY</b>			

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	18°21' S	20°32' S	22°28' S	23°26' S
Longitude	70°19'W	72°10' W	68°55' W	70°26' W
Elevation	58 m	52 m	270 m	135 m
Station	ARICA	IQUIQUE	CALAMA	ANTOFAGASTA
Date				
1	5.1	4.0	9.8	7.3
2	4.5	9.5	9.8	8.2
3	5.4	3.5	9.8	7.2
4	5.4	0.0	9.8	5.2
5	4.6	4.3	9.8	8.0
6	2.0	6.7	9.3	7.0
7	0.5	6.1	9.7	7.3
8	2.7	1.4	9.8	7.9
9	0.0	1.6	5.0	6.9
10	0.0	9.5	9.6	9.8
11	5.1	10.0	9.7	10.0
12	3.2	9.9	9.8	9.8
13	3.8	5.6	9.9	8.1
14	3.3	6.5	9.4	9.0
15	4.8	8.3	9.9	8.6
16	3.0	0.0	9.9	6.7
17	0.0	5.3	8.9	5.5
18	0.3	5.4	7.4	7.1
19	4.9	9.4	9.9	8.1
20	4.1	5.1	9.9	6.9
21	1.8	4.6	9.3	5.5
22	7.7	9.9	9.9	8.5
23	6.8	6.4	9.9	9.8
24	4.0	7.3	9.9	9.1
25	0.2	7.3	9.9	6.8
26	0.7	1.7	8.5	6.0
27	4.0	8.3	9.9	6.5
28	6.4	8.4	10.0	8.3
29	3.3	3.6	9.9	7.6
30	0.5	2.7	10.0	8.5
31	4.9	4.5	10.0	3.9
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>103.0</b>	<b>176.8</b>	<b>294.3</b>	<b>235.1</b>
<b> Daily Means</b>	<b>3.3</b>	<b>5.7</b>	<b>9.5</b>	<b>7.6</b>
<b>Types of</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>
<b>Instruments</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: JULIO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>27°10' S</b>	<b>27°18' S</b>	<b>28°35' S</b>	<b>29°57' S</b>
<b>Longitude</b>	<b>109°26' W</b>	<b>70°25' W</b>	<b>70°46' W</b>	<b>71°22' W</b>
<b>Elevation</b>	<b>47 m</b>	<b>291 m</b>	<b>469 m</b>	<b>25 m</b>
<b>Station</b>	<b>ISLA DE PASCUA</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>LA SERENA</b>
<b>Date</b>				
<b>1</b>	8.1	6.2	8.3	2.3
<b>2</b>	2.7	8.8	9.1	9.1
<b>3</b>	1.4	8.7	9.0	9.7
<b>4</b>	5.9	5.8	8.2	9.3
<b>5</b>	0.2	3.1	4.5	0.0
<b>6</b>	7.0	4.9	5.6	0.0
<b>7</b>	5.8	5.5	9.2	8.4
<b>8</b>	1.8	7.6	2.6	0.6
<b>9</b>	2.8	3.6	5.4	5.8
<b>10</b>	2.2	8.7	8.5	9.0
<b>11</b>	6.6	8.6	9.2	9.6
<b>12</b>	7.1	8.9	9.8	9.7
<b>13</b>	8.5	9.0	9.7	9.7
<b>14</b>	4.0	4.3	5.2	0.0
<b>15</b>	8.0	8.2	9.5	7.7
<b>16</b>	3.9	8.6	9.7	4.3
<b>17</b>	4.9	5.1	3.4	0.5
<b>18</b>	3.9	6.2	6.1	4.5
<b>19</b>	9.0	8.6	9.7	4.0
<b>20</b>	2.3	6.2	8.5	0.9
<b>21</b>	5.8	0.0	0.0	1.5
<b>22</b>	0.5	8.8	.	9.5
<b>23</b>	4.3	9.0	.	9.5
<b>24</b>	8.5	8.9	9.5	9.3
<b>25</b>	1.9	6.0	9.2	3.2
<b>26</b>	0.0	5.7	5.2	0.0
<b>27</b>	7.7	6.1	3.3	0.0
<b>28</b>	9.3	7.6	3.9	0.0
<b>29</b>	7.7	8.6	.	6.2
<b>30</b>	7.0	9.0	.	1.2
<b>31</b>	8.0	6.2	8.1	3.1
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>156.8</b>	<b>212.5</b>	<b>.</b>	<b>148.6</b>
<b> Daily Means</b>	<b>5.1</b>	<b>6.9</b>	<b>7.1</b>	<b>4.8</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: JULIO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>32°51' S</b>	<b>33°23' S</b>	<b>33°27' S</b>	<b>33°37' S</b>
<b>Longitude</b>	<b>70°37' W</b>	<b>70°47' W</b>	<b>70°42' W</b>	<b>78°50' W</b>
<b>Elevation</b>	<b>880 m</b>	<b>474 m</b>	<b>520 m</b>	<b>30 m</b>
<b>Station</b>	<b>CALLE LARGA</b>	<b>PUDAHUEL</b>	<b>QUINTA NORMAL</b>	<b>ROBINSON CRUSOE</b>
<b>Date</b>				
<b>1</b>	0.8	4.5	2.3	4.0
<b>2</b>	8.6	6.8	9.1	0.6
<b>3</b>	8.4	6.6	9.7	4.5
<b>4</b>	9.0	7.0	9.3	4.5
<b>5</b>	8.3	5.1	0.0	1.7
<b>6</b>	4.4	0.0	0.0	4.9
<b>7</b>	0.3	0.0	8.4	3.4
<b>8</b>	0.0	0.6	0.6	2.6
<b>9</b>	1.0	1.9	5.8	3.3
<b>10</b>	5.4	5.1	9.0	4.8
<b>11</b>	8.0	8.1	9.6	5.3
<b>12</b>	9.1	7.0	9.7	5.6
<b>13</b>	7.3	5.7	9.7	5.8
<b>14</b>	4.6	1.4	0.0	1.3
<b>15</b>	9.2	8.2	7.7	3.0
<b>16</b>	9.2	7.1	4.3	5.8
<b>17</b>	6.0	5.2	0.5	0.0
<b>18</b>	8.8	7.1	4.5	6.6
<b>19</b>	9.3	7.6	4.0	6.3
<b>20</b>	0.0	0.0	0.9	0.2
<b>21</b>	2.0	1.6	1.5	4.1
<b>22</b>	8.7	7.0	9.5	5.5
<b>23</b>	9.4	7.6	9.5	5.7
<b>24</b>	3.6	3.4	9.3	2.2
<b>25</b>	8.8	7.3	3.2	2.9
<b>26</b>	9.3	7.7	0.0	5.6
<b>27</b>	9.3	8.3	0.0	5.3
<b>28</b>	9.3	7.2	0.0	6.3
<b>29</b>	9.1	7.4	6.2	3.6
<b>30</b>	9.4	6.3	1.2	0.6
<b>31</b>	9.4	8.2	3.1	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>206.0</b>	<b>167.0</b>	<b>148.6</b>	<b>116.0</b>
<b> Daily Means</b>	<b>6.6</b>	<b>5.4</b>	<b>4.8</b>	<b>3.7</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>





**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: JULIO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	45°54' S	53°08' S	54°56' S	
Longitude	71°43' W	70°58' W	67°58' W	
Elevation	520 m	37 m	36 m	
Station	BALMACEDA	PUNTA ARENAS	PUERTO WILLIAMS	
Date				
1	4.8	0.0	.	
2	6.4	2.4	.	
3	6.0	0.0	0.0	
4	7.5	0.0	1.5	
5	0.1	2.6	1.1	
6	0.0	3.2	0.0	
7	7.5	0.4	0.7	
8	0.9	5.4	.	
9	2.3	4.7	.	
10	6.1	2.8	4.3	
11	6.1	4.5	4.2	
12	2.3	0.6	3.1	
13	0.0	5.4	1.8	
14	6.0	5.0	4.8	
15	0.0	0.3	.	
16	4.4	0.0	.	
17	7.9	5.9	0.1	
18	6.9	4.0	4.5	
19	3.8	0.3	0.0	
20	0.0	0.2	0.0	
21	4.1	5.9	0.5	
22	3.5	0.0	.	
23	5.3	3.3	.	
24	6.6	5.9	1.3	
25	4.6	0.1	0.3	
26	2.6	1.9	1.4	
27	5.5	2.1	2.9	
28	8.0	1.6	2.4	
29	3.3	0.0	.	
30	0.2	0.0	.	
31	2.2	1.4	6.1	
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>60.9</b>	<b>69.9</b>	<b>.</b>	
<b> Daily Means</b>	<b>2.8</b>	<b>2.3</b>	<b>2.0</b>	
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>18°21' S</b>	<b>20°32' S</b>	<b>22°28' S</b>	<b>23°26' S</b>
<b>Longitude</b>	<b>70°19'W</b>	<b>72°10' W</b>	<b>68°55' W</b>	<b>70°26' W</b>
<b>Elevation</b>	<b>58 m</b>	<b>52 m</b>	<b>270 m</b>	<b>135 m</b>
<b>Station</b>	<b>ARICA</b>	<b>IQUIQUE</b>	<b>CALAMA</b>	<b>ANTOFAGASTA</b>
<b>Date</b>				
<b>1</b>	9.0	9.9	10.1	4.7
<b>2</b>	4.6	8.0	10.0	7.6
<b>3</b>	4.0	7.1	10.1	7.7
<b>4</b>	0.4	2.2	10.1	6.4
<b>5</b>	0.0	6.7	9.8	5.0
<b>6</b>	4.2	.	10.0	5.7
<b>7</b>	4.7	0.2	10.8	7.0
<b>8</b>	0.7	4.4	10.9	8.0
<b>9</b>	8.9	9.8	10.6	9.0
<b>10</b>	6.5	8.9	10.1	7.1
<b>11</b>	6.1	7.7	9.9	9.6
<b>12</b>	3.9	7.4	10.7	5.5
<b>13</b>	0.4	.	9.3	7.1
<b>14</b>	0.9	9.2	10.8	10.3
<b>15</b>	2.5	6.6	11.0	9.1
<b>16</b>	1.2	1.5	11.0	10.0
<b>17</b>	4.6	.	.	8.3
<b>18</b>	5.4	7.0	.	8.2
<b>19</b>	2.6	5.1	11.0	9.2
<b>20</b>	5.5	9.7	10.6	9.4
<b>21</b>	4.0	2.8	11.0	7.6
<b>22</b>	3.1	7.2	11.0	6.3
<b>23</b>	5.0	6.4	11.1	3.5
<b>24</b>	6.6	2.3	10.9	0.0
<b>25</b>	2.5	10.1	10.3	8.8
<b>26</b>	0.2	5.1	9.8	8.9
<b>27</b>	0.3	7.8	10.9	10.3
<b>28</b>	1.7	0.8	8.9	9.0
<b>29</b>	0.9	1.1	6.8	4.2
<b>30</b>	0.0	1.1	8.1	5.5
<b>31</b>	3.0	8.9	8.8	7.5
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>103.4</b>	<b>.</b>	<b>.</b>	<b>226.5</b>
<b> Daily Means</b>	<b>3.3</b>	<b>5.9</b>	<b>10.2</b>	<b>7.3</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>27°10' S</b>	<b>27°18' S</b>	<b>28°35' S</b>	<b>29°57' S</b>
<b>Longitude</b>	<b>109°26' W</b>	<b>70°25' W</b>	<b>70°46' W</b>	<b>71°22' W</b>
<b>Elevation</b>	<b>47 m</b>	<b>291 m</b>	<b>469 m</b>	<b>25 m</b>
<b>Station</b>	<b>ISLA DE PASCUA</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>LA SERENA</b>
<b>Date</b>				
<b>1</b>	8.5	8.9	4.2	0.1
<b>2</b>	7.5	8.9	10.0	7.1
<b>3</b>	4.1	6.1	8.5	0.2
<b>4</b>	5.7	8.0	5.9	0.0
<b>5</b>	9.3	8.1	6.9	8.8
<b>6</b>	1.3	8.8	10.0	8.4
<b>7</b>	7.1	8.7	9.0	1.4
<b>8</b>	6.4	5.8	5.9	2.4
<b>9</b>	4.6	5.1	7.5	0.0
<b>10</b>	2.1	6.3	1.8	0.0
<b>11</b>	5.0	9.0	9.1	9.5
<b>12</b>	6.2	8.9	10.0	7.5
<b>13</b>	9.3	0.3	7.7	2.2
<b>14</b>	1.2	8.7	9.9	9.0
<b>15</b>	8.1	9.1	10.6	9.7
<b>16</b>	9.0	9.0	9.9	9.6
<b>17</b>	7.2	8.7	9.6	7.3
<b>18</b>	6.7	5.5	6.4	0.5
<b>19</b>	6.6	6.0	6.5	5.8
<b>20</b>	0.9	6.6	5.9	1.0
<b>21</b>	0.0	7.4	6.4	3.4
<b>22</b>	7.0	7.6	6.1	7.8
<b>23</b>	7.4	6.9	8.0	8.5
<b>24</b>	9.2	7.8	9.8	7.3
<b>25</b>	9.2	9.1	9.6	10.7
<b>26</b>	8.3	9.1	10.5	11.3
<b>27</b>	8.5	7.7	8.7	6.9
<b>28</b>	4.6	8.9	10.7	11.6
<b>29</b>	8.1	8.9	10.7	11.5
<b>30</b>	4.6	5.6	5.7	9.3
<b>31</b>	3.4	6.1	4.4	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>187.1</b>	<b>231.6</b>	<b>245.9</b>	<b>178.8</b>
<b> Daily Means</b>	<b>6.0</b>	<b>7.5</b>	<b>7.9</b>	<b>5.8</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>
	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: AGOSTO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	32°51' S	33°23' S	33°27' S	33°37' S
Longitude	70°37' W	70°47' W	70°42' W	78°50' W
Elevation	880 m	474 m	520 m	30 m
Station	<b>CALLE LARGA</b>	<b>PUDAHUEL</b>	<b>QUINTA NORMAL</b>	<b>ROBINSON CRUSOE</b>
Date				
1	6.9	4.5	5.4	3.5
2	8.8	3.5	4.9	5.1
3	8.4	9.0	7.7	6.0
4	5.0	0.0	0.0	7.0
5	6.0	4.6	3.9	0.0
6	8.4	8.2	7.3	1.9
7	9.6	8.6	8.2	4.2
8	9.6	8.1	7.7	5.8
9	9.3	8.9	8.3	7.0
10	6.3	5.7	5.4	0.0
11	9.6	8.5	7.9	3.9
12	1.9	6.4	3.8	4.0
13	5.6	5.0	3.7	0.3
14	4.3	4.2	2.7	6.1
15	2.6	1.2	1.1	7.9
16	5.1	2.8	1.8	0.2
17	8.1	7.6	6.7	5.2
18	9.7	9.0	8.1	1.0
19	7.3	5.2	4.3	0.0
20	6.9	4.1	2.7	0.0
21	0.0	0.0	0.0	0.1
22	3.5	0.4	0.7	2.4
23	8.0	6.6	5.8	2.5
24	5.5	7.1	6.4	2.6
25	8.5	7.6	8.7	2.8
26	9.0	5.0	4.0	4.0
27	9.4	7.0	6.2	0.9
28	0.0	0.0	0.0	1.4
29	0.0	0.0	0.0	3.5
30	8.4	9.4	8.6	7.1
31	9.7	9.6	9.0	7.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>201.4</b>	<b>123.5</b>	<b>151.0</b>	<b>103.4</b>
<b> Daily Means</b>	<b>6.5</b>	<b>4.0</b>	<b>4.9</b>	<b>3.3</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>33°39' S</b>	<b>34°06' S</b>	<b>34°58' S</b>	<b>36°36' S</b>
<b>Longitude</b>	<b>71°36' W</b>	<b>71°45' W</b>	<b>71°12' W</b>	<b>72°26' W</b>
<b>Elevation</b>	<b>74 m</b>	<b>296 m</b>	<b>225 m</b>	<b>124 m</b>
<b>Station</b>	<b>SANTO DOMINGO</b>	<b>HIDANGO</b>	<b>CURICO</b>	<b>CHILLAN</b>
<b>Date</b>				
<b>1</b>	2.4	0.0	0.0	6.6
<b>2</b>	9.3	8.7	6.9	8.2
<b>3</b>	7.8	8.1	9.0	5.3
<b>4</b>	4.9	9.0	1.1	1.2
<b>5</b>	7.7	.	0.0	0.0
<b>6</b>	8.7	.	0.0	6.7
<b>7</b>	9.7	8.3	0.0	6.0
<b>8</b>	9.4	9.7	6.3	6.0
<b>9</b>	10.0	9.3	5.4	9.5
<b>10</b>	2.4	2.2	7.3	9.5
<b>11</b>	5.8	2.1	8.5	3.7
<b>12</b>	7.9	.	6.3	2.2
<b>13</b>	8.8	.	3.9	0.0
<b>14</b>	0.6	0.0	0.3	0.0
<b>15</b>	1.7	0.3	2.4	0.8
<b>16</b>	2.3	1.0	0.0	0.0
<b>17</b>	9.0	8.1	4.0	1.7
<b>18</b>	5.7	8.9	5.5	0.6
<b>19</b>	0.7	.	0.1	1.0
<b>20</b>	0.0	.	0.0	2.5
<b>21</b>	2.0	0.0	4.3	0.9
<b>22</b>	3.4	4.1	2.5	0.0
<b>23</b>	5.9	2.6	1.1	2.6
<b>24</b>	2.1	8.5	7.2	3.1
<b>25</b>	8.8	.	2.4	0.4
<b>26</b>	2.5	.	3.0	8.2
<b>27</b>	9.5	.	6.9	9.3
<b>28</b>	0.7	1.2	0.0	0.0
<b>29</b>	4.1	4.4	0.9	0.0
<b>30</b>	7.3	9.3	8.2	10.3
<b>31</b>	8.4	10.4	9.8	10.6
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>169.5</b>	<b>.</b>	<b>113.3</b>	<b>116.9</b>
<b> Daily Means</b>	<b>5.5</b>	<b>5.3</b>	<b>3.7</b>	<b>3.8</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>36°46' S</b>	<b>39°41' S</b>	<b>41°26' S</b>	<b>45°35' S</b>
<b>Longitude</b>	<b>73°03' W</b>	<b>73°04' W</b>	<b>73°07' W</b>	<b>72°07'W</b>
<b>Elevation</b>	<b>12 m</b>	<b>19 m</b>	<b>81 m</b>	<b>310 m</b>
<b>Station</b>	<b>CONCEPCION</b>	<b>VALDIVIA</b>	<b>PUERTO MONTT</b>	<b>COYHAIQUE</b>
<b>Date</b>				
<b>1</b>	8.4	.	6.9	4.9
<b>2</b>	9.6	.	7.0	6.5
<b>3</b>	8.8	.	2.0	2.6
<b>4</b>	0.0	.	3.8	0.4
<b>5</b>	0.0	.	5.3	1.0
<b>6</b>	0.0	.	1.4	6.0
<b>7</b>	8.2	.	4.6	2.2
<b>8</b>	8.6	.	7.0	7.2
<b>9</b>	9.8	.	8.7	7.5
<b>10</b>	9.5	.	8.6	6.4
<b>11</b>	5.7	.	8.7	6.6
<b>12</b>	0.2	.	5.2	5.2
<b>13</b>	1.0	.	0.8	0.2
<b>14</b>	0.0	.	0.1	8.2
<b>15</b>	0.7	.	0.0	0.9
<b>16</b>	0.0	.	4.4	7.5
<b>17</b>	4.6	.	0.0	8.1
<b>18</b>	1.4	.	0.0	0.5
<b>19</b>	2.8	.	4.4	0.0
<b>20</b>	5.1	.	4.6	3.4
<b>21</b>	0.5	.	0.6	9.1
<b>22</b>	0.2	.	2.2	9.2
<b>23</b>	3.2	.	8.2	8.3
<b>24</b>	1.0	.	5.2	7.1
<b>25</b>	6.7	.	4.9	8.9
<b>26</b>	9.5	.	0.7	6.6
<b>27</b>	9.5	.	2.5	0.3
<b>28</b>	0.0	.	2.3	7.3
<b>29</b>	0.0	.	0.0	1.9
<b>30</b>	9.6	.	8.9	7.3
<b>31</b>	10.6	.	0.0	8.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>135.2</b>	.	<b>135.4</b>	<b>135.4</b>
<b> Daily Means</b>	<b>4.4</b>	.	<b>4.4</b>	<b>4.4</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: AGOSTO**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>45°54' S</b>	<b>53°08' S</b>	<b>54°56' S</b>	
<b>Longitude</b>	<b>71°43' W</b>	<b>70°58' W</b>	<b>67°58' W</b>	
<b>Elevation</b>	<b>520 m</b>	<b>37 m</b>	<b>36 m</b>	
<b>Station</b>	<b>BALMACEDA</b>	<b>PUNTA ARENAS</b>	<b>PUERTO WILLIAMS</b>	
<b>Date</b>				
<b>1</b>	5.5	3.3	3.9	
<b>2</b>	8.5	6.2	0.0	
<b>3</b>	1.7	4.1	0.7	
<b>4</b>	2.5	0.1	0.7	
<b>5</b>	3.5	0.0	.	
<b>6</b>	6.1	0.1	.	
<b>7</b>	5.9	1.4	5.4	
<b>8</b>	7.6	4.0	0.0	
<b>9</b>	7.9	2.6	0.0	
<b>10</b>	6.5	0.7	0.3	
<b>11</b>	8.3	1.7	8.6	
<b>12</b>	4.2	7.6	.	
<b>13</b>	0.7	6.0	.	
<b>14</b>	8.7	6.3	5.9	
<b>15</b>	6.0	5.3	.	
<b>16</b>	8.7	5.0	2.6	
<b>17</b>	8.3	6.4	5.2	
<b>18</b>	0.1	7.8	.	
<b>19</b>	0.0	3.7	.	
<b>20</b>	7.1	7.1	.	
<b>21</b>	7.7	7.9	3.4	
<b>22</b>	8.9	5.5	2.4	
<b>23</b>	7.7	0.5	0.5	
<b>24</b>	7.6	3.2	0.0	
<b>25</b>	9.7	2.2	1.9	
<b>26</b>	1.1	8.0	.	
<b>27</b>	8.9	1.0	.	
<b>28</b>	5.6	4.5	5.2	
<b>29</b>	7.2	2.9	7.3	
<b>30</b>	9.7	2.7	1.8	
<b>31</b>	0.0	8.2	8.8	
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>181.9</b>	<b>126.0</b>	<b>.</b>	
<b> Daily Means</b>	<b>5.9</b>	<b>4.1</b>	<b>3.1</b>	
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>18°21' S</b>	<b>20°32' S</b>	<b>22°28' S</b>	<b>23°26' S</b>
<b>Longitude</b>	<b>70°19'W</b>	<b>72°10' W</b>	<b>68°55' W</b>	<b>70°26' W</b>
<b>Elevation</b>	<b>58 m</b>	<b>52 m</b>	<b>270 m</b>	<b>135 m</b>
<b>Station</b>	<b>ARICA</b>	<b>IQUIQUE</b>	<b>CALAMA</b>	<b>ANTOFAGASTA</b>
<b>Date</b>				
<b>1</b>	2.6	5.5	9.2	9.8
<b>2</b>	3.6	7.5	10.4	6.9
<b>3</b>	9.3	8.9	10.0	7.9
<b>4</b>	3.2	3.8	10.6	9.4
<b>5</b>	5.4	7.8	10.8	7.9
<b>6</b>	5.0	2.4	11.0	6.4
<b>7</b>	6.6	9.1	11.0	10.0
<b>8</b>	6.3	8.0	11.0	7.7
<b>9</b>	2.8	7.6	9.3	9.9
<b>10</b>	0.2	1.1	8.9	7.6
<b>11</b>	7.1	8.9	11.2	8.3
<b>12</b>	4.5	4.2	11.2	5.2
<b>13</b>	3.5	6.2	10.8	4.1
<b>14</b>	3.1	7.9	11.2	7.6
<b>15</b>	5.7	5.1	11.2	8.2
<b>16</b>	7.8	8.4	11.2	7.7
<b>17</b>	4.3	5.6	11.2	7.9
<b>18</b>	8.0	10.5	11.5	9.3
<b>19</b>	8.8	5.6	7.6	7.4
<b>20</b>	6.1	8.6	11.4	10.9
<b>21</b>	6.4	10.3	11.1	10.4
<b>22</b>	4.6	3.4	11.4	9.7
<b>23</b>	6.4	3.4	11.2	10.5
<b>24</b>	6.4	10.4	11.2	9.5
<b>25</b>	6.6	9.0	11.4	6.1
<b>26</b>	7.0	8.9	11.4	7.4
<b>27</b>	9.0	8.0	11.3	10.1
<b>28</b>	8.3	10.4	11.4	8.7
<b>29</b>	7.1	9.1	11.4	7.6
<b>30</b>	6.0	5.1	11.4	6.4
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>171.7</b>	<b>210.7</b>	<b>323.9</b>	<b>246.5</b>
<b> Daily Means</b>	<b>5.7</b>	<b>7.0</b>	<b>10.8</b>	<b>8.2</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>27°10' S</b>	<b>27°18' S</b>	<b>28°35' S</b>	<b>29°57' S</b>
<b>Longitude</b>	<b>109°26' W</b>	<b>70°25' W</b>	<b>70°46' W</b>	<b>71°22' W</b>
<b>Elevation</b>	<b>47 m</b>	<b>291 m</b>	<b>469 m</b>	<b>25 m</b>
<b>Station</b>	<b>ISLA DE PASCUA</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>LA SERENA</b>
<b>Date</b>				
<b>1</b>	0.6	6.9	6.6	2.0
<b>2</b>	7.0	7.8	9.1	4.4
<b>3</b>	9.8	6.0	6.1	3.2
<b>4</b>	6.5	6.4	4.2	0.0
<b>5</b>	8.7	9.0	9.0	10.1
<b>6</b>	7.0	7.7	10.1	7.4
<b>7</b>	8.5	7.0	8.3	5.7
<b>8</b>	9.7	9.2	10.5	1.2
<b>9</b>	10.0	6.7	.	0.0
<b>10</b>	0.0	7.3	.	0.0
<b>11</b>	10.5	9.7	8.9	5.4
<b>12</b>	6.8	9.6	8.6	2.4
<b>13</b>	10.6	9.2	5.6	7.4
<b>14</b>	9.0	9.7	10.9	10.9
<b>15</b>	9.1	10.3	11.4	10.0
<b>16</b>	7.0	9.3	.	6.8
<b>17</b>	5.5	7.6	.	9.0
<b>18</b>	5.6	10.2	10.6	6.6
<b>19</b>	4.4	8.4	9.0	9.9
<b>20</b>	5.5	10.6	10.5	10.0
<b>21</b>	6.0	10.8	11.2	10.8
<b>22</b>	9.6	10.9	11.1	9.3
<b>23</b>	10.4	4.4	.	7.2
<b>24</b>	9.1	10.1	.	9.7
<b>25</b>	1.9	9.1	10.5	10.4
<b>26</b>	10.2	6.6	9.0	0.0
<b>27</b>	0.5	5.8	7.0	0.0
<b>28</b>	7.7	7.7	8.8	2.8
<b>29</b>	8.9	10.8	11.2	10.6
<b>30</b>	9.2	8.0	.	0.0
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>215.3</b>	<b>252.8</b>	<b>.</b>	<b>173.2</b>
<b> Daily Means</b>	<b>7.2</b>	<b>8.4</b>	<b>9.1</b>	<b>5.8</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>32°51' S</b>	<b>33°23' S</b>	<b>33°27' S</b>	<b>33°37' S</b>
<b>Longitude</b>	<b>70°37' W</b>	<b>70°47' W</b>	<b>70°42' W</b>	<b>78°50' W</b>
<b>Elevation</b>	<b>880 m</b>	<b>474 m</b>	<b>520 m</b>	<b>30 m</b>
<b>Station</b>	<b>CALLE LARGA</b>	<b>PUDAHUEL</b>	<b>QUINTA NORMAL</b>	<b>ROBINSON CRUSOE</b>
<b>Date</b>				
<b>1</b>	9.7	9.5	8.9	4.9
<b>2</b>	9.7	9.2	8.8	7.3
<b>3</b>	9.8	9.4	8.8	0.0
<b>4</b>	9.5	5.1	5.8	0.0
<b>5</b>	8.0	5.7	7.0	2.7
<b>6</b>	8.8	3.9	2.8	5.2
<b>7</b>	0.0	0.6	0.8	6.3
<b>8</b>	0.0	0.0	0.0	0.9
<b>9</b>	0.0	0.0	0.0	2.1
<b>10</b>	0.0	1.3	1.4	5.9
<b>11</b>	0.0	0.0	0.0	2.1
<b>12</b>	0.0	0.0	0.0	0.1
<b>13</b>	1.5	4.7	4.1	1.1
<b>14</b>	8.5	8.9	5.9	1.4
<b>15</b>	9.8	6.2	6.8	0.0
<b>16</b>	9.0	9.8	9.2	6.9
<b>17</b>	0.0	1.5	0.7	6.3
<b>18</b>	6.6	7.5	6.7	0.4
<b>19</b>	3.5	5.1	1.8	4.3
<b>20</b>	1.0	1.5	1.1	3.8
<b>21</b>	4.5	4.5	4.4	4.5
<b>22</b>	6.4	5.4	4.5	4.9
<b>23</b>	7.9	9.2	7.3	7.7
<b>24</b>	10.0	10.7	9.8	8.8
<b>25</b>	10.0	10.6	9.1	9.1
<b>26</b>	9.9	10.7	9.7	9.0
<b>27</b>	9.8	10.2	8.6	2.9
<b>28</b>	8.4	7.0	6.4	6.5
<b>29</b>	10.0	7.4	8.6	8.0
<b>30</b>	10.2	10.3	10.1	1.3
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>182.5</b>	<b>175.9</b>	<b>159.1</b>	<b>124.4</b>
<b> Daily Means</b>	<b>6.1</b>	<b>5.9</b>	<b>5.3</b>	<b>4.1</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>
	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>33°39' S</b>	<b>34°06' S</b>	<b>34°58' S</b>	<b>36°36' S</b>
<b>Longitude</b>	<b>71°36' W</b>	<b>71°45' W</b>	<b>71°12' W</b>	<b>72°26' W</b>
<b>Elevation</b>	<b>74 m</b>	<b>296 m</b>	<b>225 m</b>	<b>124 m</b>
<b>Station</b>	<b>SANTO DOMINGO</b>	<b>HIDANGO</b>	<b>CURICO</b>	<b>CHILLAN</b>
<b>Date</b>				
<b>1</b>	10.3	.	7.7	10.2
<b>2</b>	10.0	.	5.5	10.2
<b>3</b>	1.6	.	10.0	10.3
<b>4</b>	0.0	.	8.6	9.0
<b>5</b>	3.1	.	4.6	0.5
<b>6</b>	7.3	.	0.0	0.0
<b>7</b>	5.8	.	4.2	0.4
<b>8</b>	0.0	.	0.0	0.0
<b>9</b>	0.0	.	0.0	0.0
<b>10</b>	3.7	.	1.1	1.6
<b>11</b>	1.2	.	0.4	2.3
<b>12</b>	1.3	.	1.5	2.8
<b>13</b>	5.3	.	0.0	0.2
<b>14</b>	6.6	.	1.3	2.4
<b>15</b>	8.6	.	6.5	4.4
<b>16</b>	8.7	.	3.6	0.9
<b>17</b>	0.0	.	0.0	1.9
<b>18</b>	7.3	.	1.2	1.1
<b>19</b>	2.7	.	1.3	0.0
<b>20</b>	3.8	.	1.3	1.5
<b>21</b>	10.6	.	4.1	1.4
<b>22</b>	9.8	.	0.0	0.0
<b>23</b>	10.1	.	8.4	11.2
<b>24</b>	11.0	.	7.9	11.4
<b>25</b>	11.2	.	8.5	11.0
<b>26</b>	11.3	.	8.2	11.1
<b>27</b>	0.0	.	10.7	10.8
<b>28</b>	2.8	.	3.0	0.2
<b>29</b>	8.2	.	10.9	10.6
<b>30</b>	5.5	.	10.7	6.6
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>167.8</b>	.	<b>131.2</b>	<b>134.0</b>
<b> Daily Means</b>	<b>5.6</b>	.	<b>4.4</b>	<b>4.5</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: SEPTIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	36°46' S	39°41' S	41°26' S	45°35' S
Longitude	73°03' W	73°04' W	73°07' W	72°07' W
Elevation	12 m	19 m	81 m	310 m
Station	CONCEPCION	VALDIVIA	PUERTO MONTT	COYHAIQUE
Date				
1	10.0	4.5	7.4	6.0
2	9.9	8.1	8.9	7.1
3	9.9	8.4	5.8	6.2
4	10.2	8.7	4.2	0.0
5	2.0	1.6	1.5	0.0
6	0.0	0.0	0.7	0.1
7	0.6	9.3	4.8	4.6
8	0.0	0.0	0.0	0.5
9	1.7	0.0	0.2	0.0
10	7.4	4.7	3.2	0.0
11	4.3	3.2	7.4	2.8
12	2.1	6.2	8.6	6.2
13	0.3	2.3	8.6	9.8
14	3.6	0.0	0.6	3.8
15	4.9	8.9	8.5	9.2
16	0.0	0.4	0.5	6.0
17	0.3	3.6	2.5	1.0
18	1.3	0.8	1.5	4.4
19	2.1	0.3	1.3	2.6
20	0.9	1.3	0.8	0.0
21	1.4	0.0	0.0	2.9
22	0.2	1.8	4.8	3.5
23	10.4	8.4	5.0	8.7
24	11.0	7.8	5.1	2.3
25	10.8	3.6	0.0	2.4
26	11.2	6.8	7.3	2.7
27	9.5	7.1	3.3	3.3
28	1.6	0.8	0.6	1.4
29	10.9	5.9	3.4	0.0
30	10.8	7.5	8.1	8.9
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	149.3	122.0	114.6	106.4
<b> Daily Means</b>	5.0	4.1	3.8	3.5
<b>Types of Instruments</b>	HELIOGRAFO CAMPELL STOKES	HELIOGRAFO CAMPELL STOKES	HELIOGRAFO CAMPELL STOKES	HELIOGRAFO CAMPELL STOKES



**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: SEPTIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>45°54' S</b>	<b>53°08' S</b>	<b>54°56' S</b>	
<b>Longitude</b>	<b>71°43' W</b>	<b>70°58' W</b>	<b>67°58' W</b>	
<b>Elevation</b>	<b>520 m</b>	<b>37 m</b>	<b>36 m</b>	
<b>Station</b>	<b>BALMACEDA</b>	<b>PUNTA ARENAS</b>	<b>PUERTO WILLIAMS</b>	
<b>Date</b>				
<b>1</b>	6.3	5.1	4.3	
<b>2</b>	9.8	7.1	.	
<b>3</b>	9.5	6.0	.	
<b>4</b>	0.0	9.4	.	
<b>5</b>	0.0	6.9	4.9	
<b>6</b>	0.0	6.4	0.3	
<b>7</b>	4.7	5.8	2.6	
<b>8</b>	2.4	6.8	1.3	
<b>9</b>	0.0	4.2	.	
<b>10</b>	0.0	3.8	.	
<b>11</b>	6.3	6.2	0.1	
<b>12</b>	2.4	8.1	0.0	
<b>13</b>	8.7	8.8	5.7	
<b>14</b>	1.7	8.7	9.6	
<b>15</b>	9.2	6.7	8.9	
<b>16</b>	4.6	5.6	.	
<b>17</b>	1.4	4.7	.	
<b>18</b>	7.2	4.9	.	
<b>19</b>	4.7	5.4	.	
<b>20</b>	0.0	4.7	0.3	
<b>21</b>	1.6	1.7	3.7	
<b>22</b>	4.4	0.0	6.3	
<b>23</b>	9.9	3.7	.	
<b>24</b>	1.7	4.8	.	
<b>25</b>	7.5	10.4	7.4	
<b>26</b>	6.4	0.3	5.3	
<b>27</b>	10.6	10.2	0.0	
<b>28</b>	0.5	10.9	3.7	
<b>29</b>	0.7	11.5	10.7	
<b>30</b>	10.1	10.5	.	
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>132.3</b>	<b>189.3</b>	<b>.</b>	
<b> Daily Means</b>	<b>4.4</b>	<b>6.3</b>	<b>.</b>	
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>18°21' S</b>	<b>20°32' S</b>	<b>22°28' S</b>	<b>23°26' S</b>
<b>Longitude</b>	<b>70°19'W</b>	<b>72°10' W</b>	<b>68°55' W</b>	<b>70°26' W</b>
<b>Elevation</b>	<b>58 m</b>	<b>52 m</b>	<b>270 m</b>	<b>135 m</b>
<b>Station</b>	<b>ARICA</b>	<b>IQUIQUE</b>	<b>CALAMA</b>	<b>ANTOFAGASTA</b>
<b>Date</b>				
<b>1</b>	10.6	10.7	11.4	7.9
<b>2</b>	5.6	7.2	11.1	8.0
<b>3</b>	4.4	6.4	11.4	6.8
<b>4</b>	6.0	7.0	11.4	5.7
<b>5</b>	6.7	8.1	11.5	7.8
<b>6</b>	6.4	10.0	11.5	9.4
<b>7</b>	6.7	8.1	11.5	10.8
<b>8</b>	8.4	7.9	11.5	9.7
<b>9</b>	8.6	10.4	9.0	10.0
<b>10</b>	5.6	8.0	11.4	3.8
<b>11</b>	3.8	5.3	11.1	3.6
<b>12</b>	3.4	0.0	10.9	6.2
<b>13</b>	4.4	0.0	11.4	7.3
<b>14</b>	5.8	3.7	11.6	5.4
<b>15</b>	6.5	9.4	11.4	7.2
<b>16</b>	8.4	9.7	12.0	9.6
<b>17</b>	8.1	7.0	12.1	8.5
<b>18</b>	7.5	9.2	8.2	6.6
<b>19</b>	2.1	4.1	12.7	8.9
<b>20</b>	2.4	0.5	12.7	7.4
<b>21</b>	7.7	8.5	9.3	4.4
<b>22</b>	7.1	10.0	10.6	10.9
<b>23</b>	3.6	7.4	12.0	9.9
<b>24</b>	3.5	10.1	12.0	8.6
<b>25</b>	5.3	9.4	12.0	6.1
<b>26</b>	7.0	9.2	12.2	9.4
<b>27</b>	9.3	10.2	.	10.1
<b>28</b>	8.8	10.0	12.2	9.2
<b>29</b>	3.3	4.0	12.0	5.3
<b>30</b>	3.8	3.6	11.9	7.2
<b>31</b>	6.3	9.4	12.2	4.5
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>187.1</b>	<b>224.5</b>	<b>.</b>	<b>236.2</b>
<b> Daily Means</b>	<b>6.0</b>	<b>7.2</b>	<b>11.4</b>	<b>7.6</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: **OCTUBRE**Years: **2000**Country: **CHILE**

Daily Totals				
Latitude	27°10' S	27°18' S	28°35' S	29°57' S
Longitude	109°26' W	70°25' W	70°46' W	71°22' W
Elevation	47 m	291 m	469 m	25 m
Station	<b>ISLA DE PASCUA</b>	<b>COPIAPO</b>	<b>VALLENAR</b>	<b>LA SERENA</b>
Date				
1	7.7	9.4	.	0.0
2	1.0	6.9	11.4	11.3
3	9.5	10.8	10.8	11.6
4	4.6	9.1	11.2	6.9
5	8.3	9.3	10.4	5.9
6	0.0	7.5	9.5	6.5
7	0.0	6.7	7.3	2.9
8	5.9	7.1	6.3	4.9
9	9.2	9.1	11.5	11.2
10	8.5	8.0	11.7	8.8
11	7.0	7.8	11.1	7.9
12	4.7	8.1	11.1	9.1
13	8.0	7.4	9.5	10.6
14	6.6	6.6	7.5	5.9
15	6.9	8.1	7.8	9.7
16	1.8	9.3	10.6	10.3
17	10.3	10.2	8.8	3.5
18	11.3	8.8	10.7	6.8
19	8.2	11.8	12.0	10.7
20	9.4	7.3	7.4	0.5
21	6.7	6.7	6.8	0.0
22	3.9	9.0	9.2	6.6
23	0.8	8.9	11.6	9.9
24	4.4	11.0	10.8	10.7
25	6.2	12.0	12.0	12.6
26	1.1	12.0	12.1	12.6
27	10.0	9.0	9.6	6.3
28	9.7	8.8	10.3	2.4
29	11.5	11.8	10.4	3.9
30	12.1	3.1	2.9	3.7
31	8.5	4.8	5.6	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>203.8</b>	<b>266.4</b>	<b>.</b>	<b>213.7</b>
<b> Daily Means</b>	<b>6.6</b>	<b>8.6</b>	<b>9.6</b>	<b>6.9</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>32°51' S</b>	<b>33°23' S</b>	<b>33°27' S</b>	<b>33°37' S</b>
<b>Longitude</b>	<b>70°37' W</b>	<b>70°47' W</b>	<b>70°42' W</b>	<b>78°50' W</b>
<b>Elevation</b>	<b>880 m</b>	<b>474 m</b>	<b>520 m</b>	<b>30 m</b>
<b>Station</b>	<b>CALLE LARGA</b>	<b>PUDAHUEL</b>	<b>QUINTA NORMAL</b>	<b>ROBINSON CRUSOE</b>
<b>Date</b>				
<b>1</b>	10.1	10.4	8.8	2.6
<b>2</b>	8.5	7.0	6.6	5.7
<b>3</b>	9.2	10.5	9.3	2.5
<b>4</b>	10.2	10.5	10.1	9.5
<b>5</b>	10.1	11.4	9.3	9.7
<b>6</b>	9.8	10.2	9.4	9.7
<b>7</b>	10.3	9.6	9.4	9.5
<b>8</b>	10.4	10.7	9.2	9.2
<b>9</b>	10.4	10.2	9.3	1.4
<b>10</b>	10.6	10.2	9.4	1.5
<b>11</b>	10.5	10.7	9.6	6.8
<b>12</b>	10.4	10.4	10.7	4.9
<b>13</b>	10.6	10.6	9.2	2.8
<b>14</b>	10.7	10.5	9.9	2.7
<b>15</b>	0.0	7.5	6.7	9.1
<b>16</b>	.	10.9	9.7	10.5
<b>17</b>	10.6	9.3	8.9	9.5
<b>18</b>	10.7	8.4	8.9	5.4
<b>19</b>	11.0	8.5	8.9	3.4
<b>20</b>	10.9	10.7	9.7	6.6
<b>21</b>	5.1	1.7	1.2	5.5
<b>22</b>	8.5	9.0	7.6	0.0
<b>23</b>	8.7	7.9	7.2	4.8
<b>24</b>	7.3	7.1	4.3	2.6
<b>25</b>	6.9	6.1	4.9	2.1
<b>26</b>	11.0	11.1	9.7	0.0
<b>27</b>	11.1	11.3	9.7	9.0
<b>28</b>	9.8	9.7	9.3	9.4
<b>29</b>	11.3	9.5	9.7	0.4
<b>30</b>	5.3	0.1	0.0	2.0
<b>31</b>	0.2	.	0.0	7.1
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	.	.	<b>246.6</b>	<b>165.9</b>
<b> Daily Means</b>	<b>9.0</b>	<b>9.1</b>	<b>8.0</b>	<b>5.4</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>
	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>33°39' S</b>	<b>34°06' S</b>	<b>34°58' S</b>	<b>36°36' S</b>
<b>Longitude</b>	<b>71°36' W</b>	<b>71°45' W</b>	<b>71°12' W</b>	<b>72°26' W</b>
<b>Elevation</b>	<b>74 m</b>	<b>296 m</b>	<b>225 m</b>	<b>124 m</b>
<b>Station</b>	<b>SANTO DOMINGO</b>	<b>HIDANGO</b>	<b>CURICO</b>	<b>CHILLAN</b>
<b>Date</b>				
<b>1</b>	0.0	.	6.0	7.7
<b>2</b>	7.9	11.0	2.3	1.0
<b>3</b>	8.7	.	9.8	5.7
<b>4</b>	11.4	.	8.0	11.0
<b>5</b>	10.7	.	8.8	7.6
<b>6</b>	11.2	11.6	9.2	11.1
<b>7</b>	10.9	.	10.5	10.0
<b>8</b>	10.4	.	8.9	5.1
<b>9</b>	11.6	.	10.1	11.1
<b>10</b>	11.5	11.0	7.4	11.0
<b>11</b>	10.5	11.5	5.5	5.7
<b>12</b>	11.6	11.6	7.4	6.9
<b>13</b>	11.4	.	11.4	11.3
<b>14</b>	11.5	.	11.1	10.8
<b>15</b>	11.2	.	6.4	9.1
<b>16</b>	6.0	10.6	8.0	11.3
<b>17</b>	0.0	7.8	11.4	11.8
<b>18</b>	0.0	0.0	11.2	8.2
<b>19</b>	8.5	9.7	9.7	8.1
<b>20</b>	0.0	10.5	10.7	9.2
<b>21</b>	4.2	.	0.4	0.0
<b>22</b>	11.7	.	5.5	9.3
<b>23</b>	5.4	0.8	7.7	11.2
<b>24</b>	10.5	6.0	5.8	0.3
<b>25</b>	5.6	1.2	4.0	1.2
<b>26</b>	12.2	7.0	9.6	8.9
<b>27</b>	11.7	5.8	9.3	11.1
<b>28</b>	0.0	.	12.8	9.9
<b>29</b>	0.0	.	8.4	11.1
<b>30</b>	1.5	0.0	0.3	0.0
<b>31</b>	0.0	0.0	0.6	2.7
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>227.8</b>	.	<b>238.2</b>	<b>239.4</b>
<b> Daily Means</b>	<b>7.3</b>	.	<b>7.7</b>	<b>7.7</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>36°46' S</b>	<b>39°41' S</b>	<b>41°26' S</b>	<b>45°35' S</b>
<b>Longitude</b>	<b>73°03' W</b>	<b>73°04' W</b>	<b>73°07' W</b>	<b>72°07'W</b>
<b>Elevation</b>	<b>12 m</b>	<b>19 m</b>	<b>81 m</b>	<b>310 m</b>
<b>Station</b>	<b>CONCEPCION</b>	<b>VALDIVIA</b>	<b>PUERTO MONTT</b>	<b>COYHAIQUE</b>
<b>Date</b>				
<b>1</b>	1.9	6.2	8.5	10.5
<b>2</b>	0.5	1.0	1.1	4.5
<b>3</b>	5.5	5.0	1.5	2.7
<b>4</b>	11.6	8.8	6.5	10.0
<b>5</b>	10.3	2.2	0.6	0.0
<b>6</b>	8.5	8.7	8.6	5.8
<b>7</b>	10.1	7.1	1.0	0.8
<b>8</b>	6.3	5.5	0.3	8.6
<b>9</b>	11.7	4.6	3.5	8.1
<b>10</b>	11.5	4.4	0.2	0.0
<b>11</b>	2.2	0.0	0.0	2.1
<b>12</b>	10.5	9.3	7.2	0.3
<b>13</b>	11.5	1.0	0.0	9.7
<b>14</b>	9.6	10.4	11.2	10.5
<b>15</b>	9.8	12.0	10.6	10.2
<b>16</b>	11.4	12.3	7.1	6.0
<b>17</b>	12.1	12.5	2.6	9.9
<b>18</b>	10.1	7.7	6.6	4.2
<b>19</b>	5.7	2.5	4.4	2.0
<b>20</b>	1.2	0.9	3.0	2.7
<b>21</b>	0.0	0.0	0.0	8.6
<b>22</b>	7.3	11.7	10.8	12.3
<b>23</b>	11.9	12.2	12.7	11.5
<b>24</b>	1.4	12.5	12.5	12.1
<b>25</b>	1.5	10.4	12.4	12.3
<b>26</b>	7.1	2.8	6.9	11.5
<b>27</b>	12.3	11.1	8.6	12.3
<b>28</b>	13.5	10.8	7.9	10.0
<b>29</b>	7.4	11.8	12.4	12.6
<b>30</b>	0.0	6.9	9.6	8.0
<b>31</b>	1.7	0.5	0.8	1.4
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>226.1</b>	<b>212.8</b>	<b>179.1</b>	<b>221.2</b>
<b> Daily Means</b>	<b>7.3</b>	<b>6.9</b>	<b>5.8</b>	<b>7.1</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: OCTUBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	45°54' S	53°08' S	54°56' S	
<b>Longitude</b>	71°43' W	70°58' W	67°58' W	
<b>Elevation</b>	520 m	37 m	36 m	
<b>Station</b>	<b>BALMACEDA</b>	<b>PUNTA ARENAS</b>	<b>PUERTO WILLIAMS</b>	
<b>Date</b>				
1	8.8	10.8	.	
2	5.5	9.7	9.8	
3	2.1	10.2	4.3	
4	10.1	9.4	9.3	
5	0.0	0.0	1.1	
6	3.6	2.5	11.2	
7	7.5	8.5	.	
8	8.2	8.6	.	
9	9.6	5.7	.	
10	0.0	9.5	7.0	
11	4.7	9.1	3.5	
12	1.6	7.1	7.0	
13	12.1	11.7	2.0	
14	11.8	0.1	.	
15	11.9	10.3	.	
16	10.8	2.7	4.3	
17	12.2	8.7	8.3	
18	7.1	4.6	3.1	
19	5.9	11.8	0.0	
20	3.8	2.7	2.7	
21	9.8	12.6	.	
22	12.3	11.9	.	
23	10.2	4.7	0.1	
24	12.7	3.0	0.7	
25	12.5	4.9	0.9	
26	11.7	9.3	2.3	
27	10.7	8.1	4.4	
28	9.8	12.7	.	
29	11.4	5.4	.	
30	9.4	9.9	5.7	
31	6.0	1.1	2.8	
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>253.8</b>	<b>227.3</b>	<b>.</b>	
<b> Daily Means</b>	<b>8.2</b>	<b>7.3</b>	<b>4.3</b>	
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: NOVIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	18°21' S	20°32' S	22°28' S	23°26' S
<b>Longitude</b>	70°19'W	72°10' W	68°55' W	70°26' W
<b>Elevation</b>	58 m	52 m	270 m	135 m
<b>Station</b>	ARICA	IQUIQUE	CALAMA	ANTOFAGASTA
<b>Date</b>				
1	7.5	9.9	.	10.1
2	8.8	11.5	.	9.8
3	6.9	10.0	.	10.3
4	5.9	8.8	.	7.5
5	6.9	9.1	.	10.5
6	8.7	11.7	.	10.6
7	6.4	10.4	.	10.5
8	8.8	11.7	.	11.5
9	7.6	12.6	.	9.7
10	8.2	11.5	.	9.1
11	6.7	10.2	.	9.4
12	7.1	11.5	.	10.7
13	6.2	11.0	.	9.2
14	6.4	7.6	.	8.0
15	7.0	10.6	.	11.0
16	8.5	11.9	.	12.1
17	7.4	10.2	.	9.9
18	7.9	11.9	.	9.8
19	7.5	10.4	.	8.9
20	9.0	10.3	.	11.0
21	8.1	8.2	.	10.3
22	8.3	11.9	.	11.9
23	10.7	10.4	.	11.2
24	10.6	11.9	.	11.0
25	7.4	11.9	.	10.4
26	8.8	10.8	.	11.2
27	8.2	12.0	.	10.9
28	7.9	11.7	.	11.3
29	9.8	11.7	.	11.1
30	7.2	11.5	.	8.8
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>236.4</b>	<b>324.8</b>	<b>.</b>	<b>307.7</b>
<b> Daily Means</b>	<b>7.9</b>	<b>10.8</b>	<b>.</b>	<b>10.3</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>









**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: NOVIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>36°46' S</b>	<b>39°41' S</b>	<b>41°26' S</b>	<b>45°35' S</b>
<b>Longitude</b>	<b>73°03' W</b>	<b>73°04' W</b>	<b>73°07' W</b>	<b>72°07'W</b>
<b>Elevation</b>	<b>12 m</b>	<b>19 m</b>	<b>81 m</b>	<b>310 m</b>
<b>Station</b>	<b>CONCEPCION</b>	<b>VALDIVIA</b>	<b>PUERTO MONTT</b>	<b>COYHAIQUE</b>
<b>Date</b>				
<b>1</b>	12.2	9.6	6.0	11.2
<b>2</b>	6.0	6.0	5.5	8.8
<b>3</b>	9.4	0.0	3.7	9.5
<b>4</b>	0.3	0.1	1.9	4.8
<b>5</b>	12.2	9.6	11.3	10.2
<b>6</b>	10.7	8.6	7.2	7.1
<b>7</b>	12.5	11.7	8.2	8.7
<b>8</b>	12.7	10.0	4.1	9.4
<b>9</b>	2.3	6.3	7.5	2.3
<b>10</b>	0.6	0.2	0.0	2.6
<b>11</b>	5.0	2.4	2.5	6.6
<b>12</b>	12.5	8.2	4.5	3.2
<b>13</b>	8.6	9.7	12.5	11.0
<b>14</b>	13.0	12.6	13.3	12.8
<b>15</b>	11.4	12.7	12.9	7.6
<b>16</b>	12.6	9.8	3.9	1.8
<b>17</b>	11.0	6.9	4.1	0.0
<b>18</b>	12.5	9.6	7.5	5.6
<b>19</b>	12.8	12.2	4.6	8.5
<b>20</b>	12.8	7.5	0.1	8.0
<b>21</b>	9.8	7.1	6.6	8.7
<b>22</b>	10.9	6.3	3.9	6.4
<b>23</b>	12.8	11.1	11.8	8.2
<b>24</b>	12.8	12.6	11.6	10.3
<b>25</b>	11.9	0.2	0.0	1.8
<b>26</b>	4.7	3.9	0.0	7.5
<b>27</b>	10.9	5.3	3.1	13.3
<b>28</b>	12.9	12.7	8.9	13.4
<b>29</b>	12.3	13.0	12.7	12.2
<b>30</b>	13.3	11.2	4.4	7.8
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>303.4</b>	<b>237.1</b>	<b>184.3</b>	<b>229.3</b>
<b> Daily Means</b>	<b>10.1</b>	<b>7.9</b>	<b>6.1</b>	<b>7.6</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

**Month: NOVIEMBRE**

**Years: 2000**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>45°54' S</b>	<b>53°08' S</b>	<b>54°56' S</b>	
<b>Longitude</b>	<b>71°43' W</b>	<b>70°58' W</b>	<b>67°58' W</b>	
<b>Elevation</b>	<b>520 m</b>	<b>37 m</b>	<b>36 m</b>	
<b>Station</b>	<b>BALMACEDA</b>	<b>PUNTA ARENAS</b>	<b>PUERTO WILLIAMS</b>	
<b>Date</b>				
<b>1</b>	12.5	8.7	.	
<b>2</b>	9.6	5.4	4.2	
<b>3</b>	10.1	0.0	2.4	
<b>4</b>	6.8	3.6	.	
<b>5</b>	12.3	11.1	.	
<b>6</b>	10.4	6.8	4.9	
<b>7</b>	4.5	11.4	3.4	
<b>8</b>	8.9	4.1	7.0	
<b>9</b>	6.4	6.8	9.4	
<b>10</b>	9.0	1.0	6.7	
<b>11</b>	2.1	6.7	.	
<b>12</b>	4.3	13.6	.	
<b>13</b>	11.6	13.3	3.7	
<b>14</b>	13.0	3.7	3.4	
<b>15</b>	9.8	3.9	4.5	
<b>16</b>	7.0	13.0	6.6	
<b>17</b>	0.0	10.4	2.6	
<b>18</b>	9.4	7.3	.	
<b>19</b>	3.9	5.2	.	
<b>20</b>	10.4	9.9	6.6	
<b>21</b>	7.6	7.2	5.6	
<b>22</b>	10.5	5.8	4.4	
<b>23</b>	12.3	6.5	3.1	
<b>24</b>	11.9	10.8	3.0	
<b>25</b>	9.7	0.7	.	
<b>26</b>	13.0	12.6	.	
<b>27</b>	12.7	6.9	0.0	
<b>28</b>	13.2	0.8	3.6	
<b>29</b>	9.2	0.6	1.9	
<b>30</b>	10.1	5.8	0.0	
<b>31</b>				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>272.2</b>	<b>203.6</b>	<b>.</b>	
<b> Daily Means</b>	<b>9.1</b>	<b>6.8</b>	<b>4.1</b>	
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	











**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: DICIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	36°46' S	39°41' S	41°26' S	45°35' S
Longitude	73°03' W	73°04' W	73°07' W	72°07' W
Elevation	12 m	19 m	81 m	310 m
Station	CONCEPCION	VALDIVIA	PUERTO MONTT	COYHAIQUE
Date				
1	12.7	11.6	11.6	11.2
2	13.0	9.1	3.3	6.4
3	12.8	11.7	11.2	10.2
4	14.0	4.3	1.3	11.2
5	13.1	9.9	5.4	3.9
6	13.1	8.1	9.9	8.6
7	13.1	12.4	11.5	7.3
8	13.0	12.4	9.6	9.5
9	13.1	11.3	2.2	0.6
10	12.7	4.0	8.3	5.4
11	13.3	2.7	1.8	6.7
12	12.9	1.0	1.4	3.2
13	7.0	0.7	0.4	5.0
14	0.3	8.0	6.1	11.3
15	11.8	10.0	7.3	3.8
16	12.5	4.9	0.0	4.1
17	10.6	3.8	1.0	10.9
18	11.9	12.2	13.3	13.6
19	12.5	12.8	10.8	13.2
20	7.4	12.1	11.8	10.9
21	7.6	6.7	4.8	12.0
22	13.0	11.3	7.8	12.2
23	13.4	3.1	0.5	3.3
24	5.0	0.0	8.9	0.0
25	8.9	8.3	7.9	6.0
26	10.6	7.3	11.0	10.0
27	13.2	5.8	4.2	7.7
28	13.3	11.1	2.3	2.1
29	13.0	8.8	7.7	0.6
30	13.2	10.2	10.2	12.8
31	2.5	8.1	7.5	11.2
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>344.5</b>	<b>243.7</b>	<b>201.0</b>	<b>234.9</b>
<b> Daily Means</b>	<b>11.1</b>	<b>7.9</b>	<b>6.5</b>	<b>7.6</b>
<b>Types of Instruments</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>	<b>HELIOGRAFO CAMPELL STOKES</b>

**WMO**  
**Total radiation (sun and sky) T,MJ/m2**  
**Duration of sunshine ss, hours**

Month: DICIEMBRE

Years: 2000

Country: CHILE

Daily Totals				
Latitude	45°54' S	53°08' S	54°56' S	
Longitude	71°43' W	70°58' W	67°58' W	
Elevation	520 m	37 m	36 m	
Station	<b>BALMACEDA</b>	<b>PUNTA ARENAS</b>	<b>PUERTO WILLIAMS</b>	
Date				
1	13.0	12.7	2.1	
2	5.3	6.3	0.0	
3	12.2	0.0	0.0	
4	11.8	8.1	13.1	
5	13.0	9.3	6.1	
6	11.4	5.4	4.6	
7	13.1	7.6	6.3	
8	12.1	2.5	0.0	
9	2.4	5.4	0.0	
10	9.3	2.7	0.0	
11	8.5	4.0	3.8	
12	8.4	2.3	2.4	
13	6.4	13.6	0.2	
14	12.6	5.3	2.3	
15	4.3	4.6	4.5	
16	11.2	0.3	0.0	
17	13.6	9.3	0.0	
18	13.5	11.9	4.3	
19	11.1	3.8	3.8	
20	7.9	13.7	12.2	
21	13.7	11.3	5.0	
22	13.5	9.8	4.2	
23	6.7	1.1	0.0	
24	4.2	9.1	0.0	
25	6.8	7.1	0.0	
26	10.0	5.8	0.7	
27	9.6	4.9	1.4	
28	7.0	10.7	1.8	
29	2.3	7.4	0.6	
30	13.6	8.5	0.0	
31	11.0	11.9	.	
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>299.5</b>	<b>216.4</b>	<b>.</b>	
<b> Daily Means</b>	<b>9.7</b>	<b>7.0</b>	<b>2.6</b>	
<b>Types of</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	<b>HELIOGRAFO</b>	
<b>Instruments</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	<b>CAMPELL</b>	
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	