

DIRECCION METEOROLOGICA DE CHILE

**INFORME
SOLARIMETRICO
SEMESTRAL**



I SEMESTRE 2000

SUBDIRECCION CLIMATOLOGIA Y MET. APLICADA

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

Month: ENERO

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	16.51	.	23.78	23.72
2	19.97	.	21.90	6.58
3	19.97	.	24.24	15.92
4	22.22	.	23.00	27.39
5	24.02	.	22.94	21.06
6	24.31	.	22.72	22.61
7	25.09	.	23.18	20.85
8	25.33	.	22.95	18.81
9	25.85	.	23.40	28.81
10	24.70	.	21.81	29.55
11	14.67	.	23.95	14.99
12	19.15	.	23.00	29.47
13	23.12	.	23.06	27.89
14	23.61	.	22.27	20.42
15	23.29	.	21.82	19.51
16	18.72	.	23.57	28.59
17	20.42	.	23.11	28.41
18	22.27	.	23.20	24.85
19	20.40	.	21.67	28.05
20	20.99	.	22.92	28.31
21	19.88	.	22.06	19.58
22	18.02	.	22.21	15.46
23	13.05	.	22.15	20.70
24	24.21	.	22.89	27.61
25	19.09	.	21.08	17.82
26	23.05	.	21.44	24.21
27	20.65	.	21.37	24.51
28	22.64	.	19.05	22.87
29	23.25	.	22.03	28.83
30	20.45	.	22.64	20.42
31	23.18	.	22.86	22.80
TT Monthly Totals	662.07	.	698.27	710.60
Daily Means	21.36	.	22.52	22.92
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ENERO

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	25.12	25.86	30.09	30.64
2	23.92	18.16	29.95	30.31
3	22.47	19.06	28.09	28.78
4	29.34	28.47	29.98	31.15
5	25.04	28.28	30.03	30.89
6	29.97	28.17	30.04	31.75
7	29.94	28.15	29.79	31.47
8	30.20	27.78	29.85	30.99
9	27.47	27.82	29.94	30.96
10	27.85	27.98	29.48	31.50
11	24.16	25.43	29.54	30.50
12	19.26	25.53	29.36	30.71
13	25.89	26.88	28.89	30.65
14	28.54	27.56	29.23	27.58
15	22.63	.	29.26	30.61
16	24.19	.	29.76	30.65
17	28.20	26.97	29.45	29.86
18	28.73	27.19	29.99	30.15
19	23.98	26.47	30.25	24.16
20	25.81	19.95	29.71	28.56
21	26.71	26.26	28.71	30.54
22	28.06	21.25	29.55	30.74
23	28.26	.	30.16	30.60
24	27.32	25.88	29.79	30.29
25	25.51	25.99	29.58	29.86
26	24.84	26.07	28.91	29.71
27	23.51	26.15	28.56	28.22
28	27.36	26.14	28.21	29.07
29	27.33	26.49	24.89	26.98
30	27.30	26.01	28.49	28.87
31	27.55	26.12	27.90	28.68
TT Monthly Totals	816.47	.	907.40	925.42
Daily Means	26.34	25.79	29.27	29.85
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ENERO

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	27.59	29.97	23.81	29.49
2	27.70	29.99	29.98	29.16
3	21.44	29.14	29.21	27.03
4	27.94	.	30.50	28.63
5	26.70	29.10	31.12	30.25
6	28.19	30.15	30.15	27.94
7	28.77	25.61	24.42	25.18
8	27.59	30.33	28.95	28.93
9	26.58	30.74	30.50	30.13
10	27.84	30.73	30.94	30.23
11	27.90	30.14	30.53	29.44
12	27.53	26.52	17.53	24.91
13	26.70	30.28	30.46	29.34
14	27.20	29.74	30.05	26.94
15	20.08	28.37	23.17	20.87
16	27.73	29.93	29.86	29.24
17	26.37	29.58	30.25	29.36
18	27.14	29.45	30.15	29.01
19	27.52	29.85	29.96	29.28
20	27.53	29.65	29.48	26.61
21	25.55	30.34	30.17	29.34
22	27.49	30.11	29.83	29.06
23	27.66	29.83	29.57	27.77
24	27.35	29.30	29.28	28.58
25	26.92	29.20	28.52	28.43
26	26.61	28.88	28.24	27.78
27	26.12	27.67	27.97	26.61
28	25.93	21.20	12.69	14.41
29	22.37	23.97	22.66	16.71
30	25.76	28.09	26.92	22.20
31	23.94	27.92	28.81	26.56
TT Monthly Totals	821.74	.	865.67	839.41
Daily Means	26.51	28.86	27.92	27.08
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ENERO

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	31.02	.	30.99	29.28
2	20.21	.	29.88	31.62
3	17.84	.	22.20	28.48
4	11.91	.	15.36	28.10
5	29.95	.	26.23	26.14
6	27.36	.	7.68	17.90
7	27.82	.	20.72	16.58
8	29.52	.	18.69	20.40
9	31.14	.	7.03	23.02
10	30.37	.	6.95	27.66
11	27.83	.	17.80	11.60
12	15.84	.	15.28	5.05
13	26.82	.	26.86	31.11
14	25.06	.	20.77	30.74
15	21.46	.	9.33	23.86
16	27.84	.	12.81	31.38
17	27.15	.	18.26	31.02
18	25.05	.	10.16	23.34
19	29.44	.	9.88	14.50
20	16.84	.	14.01	23.05
21	30.61	.	23.46	30.56
22	30.00	.	21.11	18.58
23	26.13	.	.	21.93
24	30.28	.	.	20.07
25	29.70	.	.	9.10
26	28.49	.	26.13	25.31
27	18.73	.	9.14	7.49
28	11.90	.	2.60	11.41
29	16.34	.	8.78	13.23
30	14.90	.	25.21	26.32
31	17.69	.	16.95	21.70
TT Monthly Totals	755.24	.	.	680.55
Daily Means	24.36	.	16.94	21.95
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ENERO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	14.49			
2	11.35			
3	8.62			
4	20.25			
5	17.41			
6	13.62			
7	24.86			
8	24.48			
9	24.33			
10	27.02			
11	24.87			
12	13.34			
13	29.13			
14	25.24			
15	11.76			
16	27.35			
17	16.81			
18	19.58			
19	22.69			
20	20.76			
21	8.50			
22	10.18			
23	26.84			
24	7.37			
25	18.76			
26	19.72			
27	7.16			
28	24.25			
29	9.34			
30	21.07			
31	16.65			
TT Monthly Totals	567.79			
Daily Means	18.32			
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: FEBRERO

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	21.88	.	19.09	26.39
2	25.94	.	22.82	22.72
3	25.01	.	23.16	28.03
4	25.15	.	23.21	27.06
5	25.06	.	22.47	28.44
6	26.00	.	22.84	19.81
7	26.02	.	22.95	22.79
8	25.81	.	23.01	27.34
9	25.50	.	22.38	29.97
10	25.68	.	22.73	17.12
11	25.79	.	22.65	25.79
12	24.67	.	22.42	23.56
13	24.88	.	22.26	26.16
14	22.04	.	21.92	24.82
15	24.30	.	21.69	16.02
16	24.88	.	21.20	19.46
17	24.80	.	21.31	12.70
18	25.45	.	21.47	14.60
19	24.58	.	21.42	25.63
20	24.56	.	20.86	23.22
21	22.01	.	21.12	26.83
22	15.22	.	20.29	24.20
23	24.34	.	20.12	23.98
24	22.66	.	20.94	23.16
25	22.95	.	14.08	18.50
26	18.48	.	17.87	15.29
27	22.62	.	20.30	19.01
28	22.90	.	20.14	16.10
29	20.80	.	18.73	15.55
30				
31				
TT Monthly Totals	690.00	.	615.45	644.23
 Daily Means	23.79	.	21.22	22.21
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: FEBRERO

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	27.39	26.46	23.92	25.82
2	27.91	26.49	27.83	28.24
3	26.02	26.47	27.55	28.26
4	24.70	25.47	27.57	28.40
5	27.80	26.51	26.55	27.98
6	28.24	26.40	27.33	27.22
7	25.80	25.52	27.18	27.70
8	26.27	26.36	23.68	23.36
9	26.36	26.21	26.95	23.96
10	27.80	25.77	26.48	26.88
11	21.40	25.25	26.87	21.98
12	22.98	25.74	5.20	24.47
13	27.32	.	26.77	27.67
14	27.61	25.76	26.36	27.61
15	27.24	25.70	25.78	25.50
16	26.99	25.68	26.03	27.11
17	.	25.09	25.36	27.14
18	19.24	24.72	25.33	27.46
19	23.71	24.65	25.33	25.95
20	26.40	24.80	25.22	26.32
21	26.12	24.49	25.38	17.65
22	25.67	24.05	20.08	12.29
23	23.74	23.54	24.37	17.60
24	23.04	23.11	23.70	25.06
25	25.24	23.57	24.13	25.65
26	22.34	22.26	9.80	14.08
27	25.08	24.19	25.48	26.40
28	24.87	23.52	25.03	26.04
29	21.62	23.15	23.90	24.75
30				
31				
TT Monthly Totals	.	.	705.15	718.56
Daily Means	25.32	25.03	24.32	24.78
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: FEBRERO

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	21.20	19.54	11.78	.
2	25.46	25.74	19.68	.
3	25.59	27.41	28.85	.
4	25.71	27.31	23.33	.
5	24.79	14.83	28.00	.
6	23.81	22.01	21.54	.
7	23.81	26.12	26.89	.
8	13.03	14.41	4.80	.
9	24.49	24.99	15.71	.
10	19.65	.	5.38	.
11	15.64	.	11.38	.
12	20.88	.	27.13	.
13	25.86	.	28.05	.
14	26.32	.	27.90	.
15	25.55	.	13.50	.
16	24.57	25.00	26.83	.
17	25.80	26.35	22.84	.
18	24.17	26.61	26.97	.
19	24.74	25.22	24.23	.
20	25.04	25.50	23.72	.
21	24.99	25.48	26.20	.
22	11.81	24.87	24.23	.
23	21.51	24.53	23.85	.
24	24.13	24.88	25.01	.
25	24.34	15.37	19.24	.
26	6.54	10.22	3.13	.
27	25.44	19.28	12.94	.
28	24.47	24.98	25.18	.
29	21.58	.	19.90	.
30				
31				
TT Monthly Totals	650.91	.	598.21	.
Daily Means	22.45	.	20.63	.
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: FEBRERO

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	3.45	.	5.56	16.97
2	22.11	.	18.28	12.67
3	28.22	.	6.40	10.24
4	5.40	.	18.53	27.13
5	19.50	.	5.51	14.44
6	23.77	.	11.70	16.36
7	25.50	.	24.30	25.41
8	4.75	.	3.40	7.19
9	7.27	.	2.59	14.41
10	5.80	.	11.09	19.57
11	12.78	.	4.39	20.03
12	19.10	.	13.41	19.05
13	27.57	.	22.56	18.06
14	26.38	.	25.89	25.90
15	25.55	.	19.63	22.78
16	23.57	.	10.78	16.13
17	14.56	.	6.53	19.43
18	26.21	.	25.18	24.88
19	26.04	.	24.95	24.43
20	26.13	.	23.08	22.83
21	24.97	.	24.63	7.18
22	23.19	.	17.24	19.06
23	18.52	.	19.88	22.61
24	15.58	.	6.02	14.67
25	12.44	.	8.77	15.71
26	2.78	.	6.86	11.67
27	12.56	.	12.36	18.25
28	17.72	.	7.32	19.29
29	20.18	.	21.78	18.03
30				
31				
TT Monthly Totals	521.62	.	408.63	524.37
Daily Means	17.99	.	14.09	18.08
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: FEBRERO
Years: 2000
Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	15.87			
2	7.91			
3	23.94			
4	21.56			
5	19.29			
6	15.30			
7	22.40			
8	12.34			
9	19.46			
10	16.52			
11	20.12			
12	14.63			
13	17.99			
14	13.91			
15	23.87			
16	18.58			
17	16.93			
18	23.05			
19	19.76			
20	9.50			
21	5.98			
22	9.20			
23	14.66			
24	5.48			
25	7.11			
26	9.86			
27	11.53			
28	12.51			
29	6.96			
30				
31				
TT Monthly Totals	436.21			
 Daily Means	15.04			
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: MARZO

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	24.26	.	20.85	21.87
2	23.98	.	20.73	25.08
3	20.89	.	20.05	9.05
4	18.28	.	19.93	20.14
5	20.35	.	20.15	17.12
6	19.12	.	18.96	24.42
7	19.90	.	19.16	24.41
8	10.40	.	18.43	14.64
9	22.06	.	18.35	18.19
10	22.47	.	19.37	23.62
11	22.40	.	19.78	18.06
12	24.10	.	19.18	13.51
13	23.42	.	19.19	22.10
14	24.12	.	19.65	23.41
15	21.62	.	19.44	13.37
16	23.93	.	19.34	9.24
17	23.71	.	18.40	15.72
18	23.19	.	18.92	19.90
19	23.11	.	19.12	10.72
20	23.29	.	18.98	15.50
21	23.55	.	18.63	11.66
22	22.21	.	18.74	4.70
23	22.30	.	18.34	14.32
24	21.64	.	18.56	18.44
25	22.41	.	18.28	18.63
26	21.87	.	17.76	18.86
27	22.20	.	17.84	13.48
28	22.05	.	17.38	20.13
29	20.79	.	16.45	21.11
30	21.51	.	16.97	14.71
31	21.70	.	17.09	14.48
TT Monthly Totals	676.84	.	584.03	530.57
 Daily Means	21.83	.	18.84	17.12
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MARZO

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	25.24	23.65	24.17	24.07
2	20.42	23.41	22.59	23.70
3	23.34	23.18	23.02	24.31
4	19.24	22.67	22.42	24.49
5	23.16	22.62	22.75	24.57
6	19.71	22.02	22.05	23.94
7	19.17	21.81	21.70	22.06
8	21.70	21.23	21.54	4.95
9	21.92	20.88	19.83	21.00
10	21.56	20.91	19.40	22.51
11	22.67	14.90	20.25	20.33
12	22.78	.	18.26	16.75
13	22.35	21.15	22.09	22.41
14	22.18	20.89	21.67	22.46
15	21.65	20.62	21.54	21.97
16	19.98	20.36	21.62	22.00
17	18.43	21.30	21.19	22.02
18	18.11	18.67	20.26	22.18
19	17.40	18.77	20.47	20.87
20	21.47	19.22	18.48	21.62
21	20.84	21.06	20.75	22.22
22	.	20.52	20.09	21.73
23	.	17.75	19.40	14.96
24	.	17.72	20.14	21.06
25	.	16.96	18.68	17.92
26	20.45	20.05	18.99	19.86
27	18.06	19.80	19.78	21.36
28	.	19.25	19.48	19.72
29	.	19.01	18.30	19.54
30	.	19.07	17.72	18.23
31	.	18.97	17.55	19.67
TT Monthly Totals	.	.	636.19	644.49
 Daily Means	.	20.28	20.52	20.79
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MARZO
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	24.22	23.82	24.67	.
2	22.31	22.70	24.21	.
3	24.04	24.04	24.29	.
4	23.44	23.80	23.50	.
5	24.04	23.93	24.15	.
6	22.91	23.03	23.19	.
7	22.34	22.20	22.12	.
8	21.88	20.87	5.98	.
9	11.38	9.77	5.91	.
10	18.89	18.49	20.12	.
11	19.86	20.49	16.03	.
12	13.13	12.30	6.71	.
13	19.92	14.92	21.44	.
14	21.70	21.26	21.03	.
15	17.01	18.22	10.86	.
16	18.09	21.53	22.03	.
17	21.15	21.54	21.55	.
18	20.16	20.48	21.24	.
19	16.08	20.33	19.55	.
20	17.72	20.62	21.04	.
21	21.26	21.05	21.22	.
22	19.56	20.41	19.15	.
23	16.39	14.56	.	.
24	19.47	19.12	.	.
25	18.78	18.55	.	.
26	10.83	16.01	.	.
27	18.60	19.87	.	.
28	19.89	19.59	.	.
29	18.81	18.03	.	.
30	17.38	18.13	.	.
31	18.80	18.35	.	.
TT Monthly Totals	600.06	608.04	.	.
 Daily Means	19.36	19.61	.	.
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MARZO

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	23.33	.	21.90	21.29
2	18.71	.	10.52	19.23
3	21.89	.	18.58	17.23
4	23.55	.	20.25	16.11
5	22.32	.	21.35	15.14
6	22.21	.	21.72	21.22
7	21.50	.	20.54	20.75
8	20.06	.	10.48	20.36
9	3.20	.	.	16.63
10	16.57	.	6.56	13.78
11	15.71	.	13.94	13.43
12	4.99	.	4.52	8.55
13	12.88	.	3.77	11.79
14	7.38	.	3.43	6.51
15	7.74	.	7.20	9.28
16	18.20	.	11.41	18.27
17	18.48	.	19.73	15.58
18	16.41	.	16.84	8.02
19	9.63	.	15.67	17.41
20	13.70	.	7.90	17.99
21	20.08	.	9.55	9.52
22	6.42	.	4.64	7.88
23	9.53	.	3.81	13.15
24	17.27	.	2.37	11.87
25	6.28	.	6.24	6.89
26	12.54	.	10.23	14.13
27	17.40	.	12.00	11.85
28	18.25	.	16.65	8.53
29	15.46	.	4.60	12.56
30	14.19	.	11.90	8.21
31	16.44	.	15.97	9.08
TT Monthly Totals	472.32	.	.	422.23
 Daily Means	15.24	.	11.81	13.62
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MARZO
Years: 2000
Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	14.47			
2	14.66			
3	16.20			
4	4.84			
5	5.74			
6	4.67			
7	14.97			
8	3.88			
9	15.75			
10	7.48			
11	4.67			
12	12.76			
13	7.93			
14	14.31			
15	8.46			
16	14.50			
17	7.43			
18	5.23			
19	10.57			
20	7.36			
21	14.51			
22	3.18			
23	12.13			
24	7.32			
25	8.47			
26	11.59			
27	7.22			
28	10.97			
29	2.34			
30	9.63			
31	2.71			
TT Monthly Totals	285.96			
 Daily Means	9.22			
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: ABRIL

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	21.07	.	17.00	18.28
2	19.06	.	16.99	15.67
3	21.57	.	17.03	19.51
4	17.28	.	16.52	18.52
5	15.63	.	9.98	18.37
6	17.17	.	16.12	17.83
7	19.39	.	16.51	13.22
8	19.58	.	16.72	14.52
9	20.31	.	16.41	16.54
10	20.32	.	15.66	15.26
11	11.04	.	14.49	16.59
12	19.69	.	8.16	12.37
13	11.60	.	10.41	17.75
14	19.41	.	15.38	13.47
15	19.88	.	14.29	16.31
16	16.41	.	6.41	12.37
17	17.34	.	15.29	9.79
18	14.51	.	15.35	13.81
19	13.03	.	15.13	18.84
20	10.48	.	14.26	17.87
21	15.44	.	14.99	15.24
22	19.08	.	14.69	17.36
23	13.52	.	12.38	13.15
24	17.96	.	14.46	8.55
25	18.57	.	14.36	13.33
26	15.41	.	10.95	11.99
27	15.40	.	14.56	7.97
28	15.21	.	14.02	8.04
29	14.31	.	12.36	10.12
30	10.10	.	13.13	2.15
31				
TT Monthly Totals	499.78	.	424.01	424.78
 Daily Means	16.66	.	14.13	14.16
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ABRIL

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	.	18.56	17.41	18.85
2	.	16.16	13.85	17.45
3	.	18.71	17.39	17.03
4	.	18.81	17.33	18.50
5	.	11.55	15.04	18.43
6	.	8.08	16.51	5.16
7	.	17.63	13.93	13.61
8	.	.	16.44	18.10
9	.	13.33	15.40	16.57
10	.	18.23	16.37	18.00
11	.	14.58	16.69	17.82
12	.	10.72	15.64	8.69
13	.	3.93	1.28	3.08
14	.	11.77	2.36	3.72
15	.	16.97	10.25	12.67
16	.	4.38	9.23	11.75
17	.	15.46	6.02	11.38
18	.	17.41	15.34	16.07
19	.	15.13	13.50	4.06
20	.	16.93	6.70	14.95
21	.	12.29	12.34	16.12
22	.	16.72	14.59	15.78
23	.	15.06	14.89	15.57
24	.	15.78	2.87	2.85
25	.	15.67	5.12	5.01
26	.	15.74	9.61	9.83
27	.	15.55	11.51	13.42
28	.	14.95	12.87	14.80
29	.	12.16	12.49	13.78
30	.	12.94	11.24	12.59
31				
TT Monthly Totals	.	.	364.22	385.64
Daily Means	.	14.32	12.14	12.85
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ABRIL

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	17.32	17.48	.	.
2	16.06	16.83	.	.
3	17.53	15.28	.	.
4	18.04	17.07	.	.
5	14.63	17.76	.	.
6	17.06	16.98	.	.
7	10.54	4.16	.	.
8	16.81	15.93	.	.
9	13.66	10.30	.	.
10	17.14	17.14	.	.
11	17.18	16.74	.	.
12	15.81	15.78	.	.
13	2.48	2.76	.	.
14	3.07	3.24	.	.
15	13.88	12.89	.	.
16	9.93	14.79	.	.
17	9.72	14.86	.	.
18	12.60	10.73	.	.
19	3.72	3.30	.	.
20	9.84	14.84	.	.
21	9.84	14.71	.	.
22	12.11	13.73	.	.
23	14.32	14.36	.	.
24	2.09	4.23	.	.
25	3.55	8.36	.	.
26	7.50	12.25	.	.
27	12.21	13.02	.	.
28	12.22	11.63	.	.
29	12.41	7.35	.	.
30	10.32	3.87	.	.
31				
TT Monthly Totals	353.61	362.39	.	.
 Daily Means	11.79	12.08	.	.
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ABRIL

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	15.19	.	16.20	13.15
2	13.01	.	15.27	13.38
3	9.87	.	3.34	6.52
4	3.92	.	3.58	10.71
5	15.27	.	7.42	10.93
6	5.70	.	11.08	13.29
7	3.75	.	4.20	11.55
8	2.13	.	14.69	12.23
9	11.89	.	8.35	11.97
10	15.48	.	5.32	4.30
11	15.09	.	11.32	11.47
12	10.64	.	.	9.85
13	4.91	.	.	12.59
14	1.85	8.99	.	11.73
15	5.70	9.11	.	11.49
16	13.29	13.07	.	12.45
17	13.20	13.15	6.23	10.29
18	3.08	3.30	2.71	8.97
19	5.72	3.07	1.81	2.52
20	11.70	7.29	4.19	7.17
21	9.45	6.60	3.05	5.31
22	4.52	4.33	2.13	3.97
23	11.41	1.71	4.51	4.05
24	3.84	2.05	0.80	2.69
25	10.23	9.39	3.22	4.59
26	10.38	4.75	2.18	6.19
27	9.49	6.41	5.01	6.61
28	7.60	4.76	2.95	7.97
29	3.56	3.50	3.40	6.27
30	3.10	1.96	1.17	4.10
31				
TT Monthly Totals	254.96	.	.	258.31
Daily Means	8.50	.	.	8.61
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: ABRIL
Years: 2000
Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	8.05			
2	9.59			
3	4.13			
4	11.10			
5	6.31			
6	2.03			
7	2.61			
8	6.48			
9	3.75			
10	8.53			
11	7.76			
12	8.74			
13	5.85			
14	8.53			
15	7.85			
16	5.20			
17	5.77			
18	4.13			
19	7.18			
20	2.03			
21	7.01			
22	5.68			
23	2.08			
24	3.84			
25	5.06			
26	5.75			
27	6.12			
28	5.69			
29	5.50			
30	4.88			
31				
TT Monthly Totals	177.23			
 Daily Means	5.91			
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: MAYO

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	.	.	13.40	9.69
2	14.09	.	13.05	13.52
3	17.55	.	13.02	10.52
4	18.47	.	12.98	10.82
5	15.85	.	11.22	11.95
6	18.30	.	11.43	14.25
7	16.51	.	6.43	6.01
8	15.45	.	5.46	14.49
9	17.59	.	10.76	4.45
10	17.15	.	8.86	11.79
11	8.94	.	8.74	14.13
12	9.04	.	4.57	14.75
13	16.67	.	7.86	11.79
14	11.93	.	10.11	14.36
15	14.20	.	12.67	14.75
16	17.36	.	12.53	14.38
17	15.80	.	10.31	12.25
18	10.97	.	10.08	9.93
19	7.31	.	12.17	13.08
20	14.24	.	12.15	9.27
21	16.20	.	11.10	11.35
22	17.18	.	11.91	13.25
23	16.74	.	10.35	14.25
24	16.84	.	11.58	9.98
25	14.09	.	12.22	11.03
26	7.43	.	11.03	12.47
27	8.95	.	6.77	10.28
28	16.38	.	10.98	2.29
29	8.83	.	11.24	12.72
30	14.91	.	11.12	9.78
31	15.67	.	11.44	6.73
TT Monthly Totals	.	.	327.55	350.32
 Daily Means	14.36	.	10.57	11.30
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MAYO

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	.	12.36	2.49	10.76
2	.	14.90	9.37	11.86
3	.	12.76	8.77	9.13
4	.	15.00	12.79	13.56
5	.	15.12	13.07	13.78
6	.	14.53	12.91	13.03
7	.	14.40	12.20	13.62
8	.	14.71	12.27	9.89
9	.	7.56	11.21	2.64
10	.	12.76	6.57	4.58
11	.	13.77	7.95	11.09
12	.	7.23	7.74	11.73
13	.	10.55	4.13	6.26
14	.	6.81	4.93	8.61
15	.	6.25	10.16	9.98
16	.	14.34	11.75	12.11
17	.	13.76	11.96	11.85
18	.	11.11	4.04	7.06
19	.	13.59	5.57	4.49
20	.	8.17	5.38	5.68
21	.	13.30	5.94	8.83
22	.	7.37	11.18	10.58
23	.	11.81	4.84	5.59
24	.	12.94	2.36	1.99
25	.	13.33	10.68	8.87
26	.	12.53	5.54	8.74
27	.	12.25	8.43	8.28
28	.	9.98	7.35	6.49
29	.	12.84	10.61	10.08
30	.	12.56	5.69	5.89
31	.	8.19	9.38	11.19
TT Monthly Totals	.	366.79	257.25	278.25
Daily Means	.	11.83	8.30	8.98
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MAYO

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	4.98	6.42	.	.
2	7.55	11.15	.	.
3	10.60	10.23	.	.
4	12.11	12.74	.	.
5	12.49	12.30	.	.
6	10.73	12.13	.	.
7	9.14	7.61	.	.
8	8.10	10.52	.	.
9	7.82	10.76	.	.
10	4.38	2.54	.	.
11	7.86	9.50	.	.
12	7.75	9.48	.	.
13	5.10	4.95	.	.
14	2.54	4.51	.	.
15	8.11	5.34	.	.
16	11.32	9.43	.	.
17	9.22	8.93	.	.
18	3.39	4.52	.	.
19	3.41	4.56	.	.
20	5.05	5.45	.	.
21	5.21	6.57	.	.
22	8.41	9.60	.	.
23	4.66	3.43	.	.
24	2.46	4.50	.	.
25	4.02	3.72	.	.
26	3.34	3.68	.	.
27	7.37	8.09	.	.
28	3.69	2.53	.	.
29	8.91	7.96	.	.
30	3.30	3.68	.	.
31	8.89	10.29	.	.
TT Monthly Totals	211.89	227.11	.	.
Daily Means	6.84	7.33	.	.
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MAYO**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	9.50	8.50	5.99	8.50
2	3.23	3.81	5.76	4.24
3	11.33	11.21	10.34	3.84
4	11.35	8.72	9.95	6.72
5	9.59	4.08	3.26	2.54
6	4.47	3.31	5.59	5.30
7	10.26	8.00	4.08	5.42
8	3.48	3.57	1.98	5.99
9	9.42	10.15	9.48	3.34
10	1.75	10.03	9.14	5.14
11	5.51	2.47	1.06	3.02
12	6.20	3.18	1.53	3.90
13	3.40	3.78	5.00	1.89
14	4.22	9.18	8.62	6.15
15	4.82	6.09	2.11	3.94
16	7.01	2.79	6.15	7.62
17	7.43	7.75	7.19	3.87
18	2.37	5.27	6.61	3.85
19	2.78	6.45	4.41	4.31
20	4.60	1.44	1.64	1.38
21	3.97	5.17	2.14	3.14
22	7.37	6.19	7.37	6.44
23	5.42	7.08	5.68	4.31
24	5.26	2.29	1.33	2.42
25	6.53	5.29	1.85	2.94
26	2.45	2.76	3.00	4.30
27	3.35	2.74	2.05	3.41
28	2.37	3.58	2.56	2.64
29	4.16	4.34	3.96	3.90
30	3.54	3.38	3.40	1.14
31	5.30	6.32	6.24	3.85
TT Monthly Totals	172.48	168.93	149.48	129.44
 Daily Means	5.56	5.45	4.82	4.18
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: MAYO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	4.96			
2	3.49			
3	1.18			
4	1.37			
5	2.33			
6	4.59			
7	2.57			
8	4.98			
9	1.92			
10	1.60			
11	2.34			
12	1.83			
13	4.64			
14	4.56			
15	2.73			
16	2.88			
17	4.07			
18	2.89			
19	3.90			
20	2.43			
21	4.01			
22	3.57			
23	3.29			
24	2.55			
25	1.39			
26	0.68			
27	0.54			
28	0.62			
29	2.09			
30	2.09			
31	2.93			
TT Monthly Totals	85.05			
 Daily Means	2.74			
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: JUNIO**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	8.24	.	6.68	8.99
2	16.01	.	12.28	9.56
3	16.60	.	12.50	10.40
4	10.17	.	11.13	8.25
5	5.46	.	9.27	9.50
6	7.49	.	7.38	10.05
7	15.08	.	11.72	12.15
8	7.28	.	11.54	10.15
9	13.18	.	10.74	11.43
10	8.38	.	11.61	13.22
11	8.51	.	10.56	7.78
12	11.86	.	11.22	7.02
13	7.43	.	7.17	5.59
14	6.77	.	10.50	10.87
15	8.22	.	9.34	8.49
16	5.12	.	10.32	5.07
17	6.59	.	9.62	12.25
18	4.55	.	11.85	9.55
19	8.85	.	10.73	11.24
20	10.29	.	12.17	11.38
21	9.26	.	11.10	11.17
22	14.42	.	8.95	5.83
23	10.80	.	.	10.11
24	14.58	.	.	12.34
25	9.88	.	.	8.33
26	12.29	.	11.07	6.43
27	8.20	.	11.45	8.76
28	13.17	.	10.22	13.08
29	13.42	.	9.95	12.86
30	9.62	.	10.79	8.28
31				
TT Monthly Totals	301.70	.	.	290.16
 Daily Means	10.06	.	10.44	9.67
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: JUNIO

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	COPIAPO	VALLENAR	PUDAHUEL	HIDANGO
Date				
1	.	6.36	9.69	.
2	.	11.51	8.85	.
3	.	12.39	10.21	.
4	.	12.34	9.99	.
5	.	12.02	6.30	8.30
6	.	6.77	2.20	9.72
7	.	11.41	8.47	10.72
8	.	12.30	6.06	5.59
9	.	6.47	1.89	4.01
10	.	12.23	9.44	6.34
11	.	12.21	2.45	5.61
12	.	9.98	0.67	.
13	.	11.15	2.29	.
14	.	11.61	0.80	.
15	.	8.50	8.42	.
16	.	12.11	10.19	.
17	.	7.93	9.34	8.86
18	.	6.51	9.71	10.51
19	.	4.51	4.01	3.09
20	.	11.23	3.17	4.10
21	.	11.91	7.03	5.07
22	.	12.06	7.55	2.25
23	.	.	3.03	.
24	.	12.14	4.84	4.99
25	.	11.56	6.78	5.66
26	.	12.58	3.55	6.00
27	.	5.28	1.02	1.96
28	.	8.70	1.56	3.61
29	.	8.68	1.67	2.69
30	.	12.26	2.06	2.48
31				
TT Monthly Totals	.	.	163.25	.
Daily Means	.	10.16	5.44	.
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: JUNIO

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	6.39	6.54	.	.
2	4.26	1.04	.	.
3	9.59	3.74	.	.
4	5.09	1.61	.	.
5	3.79	9.59	.	.
6	5.06	9.03	.	.
7	4.10	8.89	.	.
8	3.76	5.16	.	.
9	2.05	1.70	.	.
10	4.44	2.94	.	.
11	2.64	3.22	.	.
12	0.47	3.92	.	.
13	0.71	1.82	.	.
14	2.01	4.48	.	.
15	1.51	4.78	.	.
16	9.65	6.52	.	.
17	9.39	6.54	.	.
18	9.23	5.21	.	.
19	2.30	2.23	.	.
20	2.06	1.64	.	.
21	2.46	3.02	.	.
22	1.05	5.16	.	.
23	1.48	0.98	.	.
24	1.26	4.82	.	.
25	3.93	4.65	.	.
26	3.86	2.91	.	.
27	2.04	4.83	.	.
28	1.34	.	.	.
29	1.07	1.61	.	.
30	1.55	3.99	.	.
31				
TT Monthly Totals	108.54	.	.	.
 Daily Means	3.62	4.23	.	.
SS Monthly Totals				
 Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: JUNIO

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	3.80	3.39	2.41	2.53
2	0.67	0.26	0.32	2.49
3	1.93	0.40	0.40	1.60
4	4.52	0.79	0.37	1.01
5	6.74	6.46	1.24	3.58
6	6.37	7.30	4.59	4.28
7	2.16	1.28	0.45	1.82
8	1.99	2.76	2.13	4.20
9	1.24	2.05	1.06	2.65
10	3.95	3.97	2.45	3.86
11	2.65	1.18	2.28	2.32
12	2.11	1.87	2.09	1.65
13	3.67	1.36	1.32	3.31
14	5.48	3.82	3.52	5.45
15	6.50	7.42	6.84	7.40
16	7.39	7.84	6.86	6.76
17	7.61	8.28	7.25	6.30
18	7.71	7.88	6.81	6.68
19	4.43	5.37	6.41	5.90
20	1.79	1.14	.	2.51
21	6.41	5.22	.	3.39
22	6.28	6.04	1.64	1.30
23	1.12	3.85	4.67	2.93
24	2.02	3.00	0.86	1.61
25	2.84	3.32	1.18	2.70
26	1.75	3.04	4.71	0.92
27	5.31	3.13	3.42	0.72
28	3.71	3.68	3.33	3.65
29	1.55	1.87	1.65	3.54
30	5.27	4.64	1.96	2.97
31				
TT Monthly Totals	118.98	112.58	.	100.03
Daily Means	3.97	3.75	2.94	3.33
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO	PIRANOMETRO
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY

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

Month: JUNIO
Years: 2000
Country: CHILE

Daily Totals				
Latitude	53°00' S			
Longitude	70°51' W			
Elevation	37 m			
Station	PUNTA ARENAS			
Date				
1	0.69			
2	1.85			
3	1.40			
4	1.11			
5	2.73			
6	0.78			
7	1.53			
8	2.09			
9	2.07			
10	2.88			
11	1.52			
12	3.24			
13	3.55			
14	2.45			
15	2.11			
16	2.40			
17	3.13			
18	2.46			
19	1.08			
20	0.59			
21	1.98			
22	1.04			
23	2.18			
24	2.47			
25	1.91			
26	1.58			
27	1.73			
28	0.58			
29	0.77			
30	0.90			
31				
TT Monthly Totals	54.81			
Daily Means	1.83			
SS Monthly Totals				
Daily Means				
Types of	PIRANOMETRO			
Instruments	PSP EPPLEY			

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

Month: ENERO**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	5.2	4.5	12.7	10.8
2	6.0	0.2	12.8	9.3
3	4.8	8.1	12.6	10.4
4	8.2	10.8	12.2	10.0
5	7.6	9.4	11.8	11.9
6	7.9	11.5	11.8	11.7
7	9.0	11.4	12.3	11.4
8	10.0	11.7	12.4	11.1
9	9.9	11.6	12.0	11.8
10	9.2	10.0	12.3	8.6
11	0.3	7.4	12.3	10.2
12	5.2	9.6	11.0	10.5
13	7.7	9.4	9.5	11.5
14	8.4	10.5	9.2	10.2
15	7.6	7.2	5.0	10.0
16	2.0	9.5	5.1	11.6
17	5.9	7.5	9.7	11.4
18	6.7	9.9	10.2	11.1
19	10.1	9.4	10.2	10.2
20	6.3	10.1	9.5	11.2
21	4.5	8.0	5.9	10.5
22	3.7	6.6	2.6	10.5
23	0.9	3.6	7.0	10.5
24	7.9	4.5	5.5	11.5
25	3.7	8.8	6.0	8.9
26	8.8	8.3	9.1	9.9
27	4.0	4.6	2.1	9.9
28	6.1	9.0	6.4	6.8
29	7.4	10.5	11.2	10.3
30	5.7	10.8	9.8	11.6
31	6.9	9.4	11.4	12.2
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	197.6	263.8	291.6	327.5
 Daily Means	6.4	8.5	9.4	10.6
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ENERO**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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	8.8	7.9	8.9	4.9
2	0.0	6.2	6.3	4.7
3	3.5	5.5	6.1	4.4
4	11.4	10.1	12.6	10.3
5	9.2	8.1	12.5	5.4
6	10.4	12.2	12.6	6.4
7	10.0	12.4	12.5	12.3
8	8.0	12.3	12.5	12.3
9	11.4	9.6	10.6	11.9
10	11.5	9.4	12.6	11.1
11	6.6	7.1	9.1	6.9
12	12.4	6.0	9.0	7.6
13	9.9	9.0	10.2	10.5
14	5.1	12.0	12.3	13.3
15	7.2	5.4	.	12.7
16	12.1	7.8	.	11.4
17	11.2	10.4	13.1	12.8
18	8.6	11.8	12.7	12.3
19	11.5	7.8	12.6	7.6
20	11.9	9.3	7.7	6.3
21	8.8	9.5	12.7	11.3
22	3.8	11.9	.	11.1
23	9.2	11.6	.	12.4
24	11.1	10.3	11.9	12.1
25	8.0	9.1	12.4	6.8
26	8.1	9.1	11.9	7.3
27	11.9	8.1	12.1	6.3
28	12.7	11.7	12.3	8.4
29	12.3	11.8	.	10.8
30	9.5	11.8	.	9.4
31	11.7	12.4	11.4	11.3
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	287.8	297.6	.	292.3
 Daily Means	9.3	9.6	.	9.4
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ENERO**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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	.	12.7	11.1	0.0
2	.	12.8	11.0	1.2
3	.	10.3	11.1	10.0
4	.	12.7	11.1	8.8
5	.	13.0	11.0	4.6
6	.	12.9	11.1	10.8
7	.	12.8	11.1	0.8
8	.	12.9	10.9	7.8
9	.	12.9	10.9	7.4
10	.	12.9	10.7	8.5
11	.	12.8	10.6	10.3
12	.	14.4	10.8	9.9
13	.	12.5	10.7	5.6
14	.	12.6	10.7	9.4
15	.	12.4	10.7	6.9
16	.	12.5	10.6	7.8
17	.	12.1	10.7	3.2
18	.	12.6	10.7	9.5
19	.	12.5	10.6	10.9
20	.	12.5	10.7	6.4
21	.	12.3	10.6	8.0
22	.	12.3	10.5	2.7
23	.	12.3	10.4	5.3
24	.	12.4	10.4	6.1
25	.	12.3	10.4	11.1
26	.	12.1	10.4	6.2
27	.	12.2	10.3	10.0
28	.	13.1	10.2	8.0
29	.	9.6	8.6	6.3
30	.	12.2	10.3	5.3
31	.	12.1	10.2	2.0
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	385.7	329.1	210.8
 Daily Means	.	12.4	10.6	6.8
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ENERO**Years: 2000****Country: CHILE**

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	8.4	9.0	13.3	10.4
2	8.4	9.4	13.4	13.1
3	4.0	9.9	8.0	12.3
4	9.7	12.8	12.8	12.6
5	9.4	12.7	11.6	13.2
6	11.9	11.2	13.6	13.2
7	13.0	12.8	12.8	8.0
8	12.6	12.8	13.6	13.0
9	12.5	10.4	13.3	13.2
10	12.4	11.4	13.6	13.2
11	9.9	12.7	13.6	13.1
12	11.7	11.3	13.5	12.8
13	7.6	12.7	13.4	12.6
14	8.9	10.6	13.5	12.1
15	12.6	12.5	3.9	10.3
16	13.2	10.0	13.6	12.3
17	9.6	10.7	12.9	12.6
18	12.2	12.6	13.7	12.9
19	12.3	12.8	13.5	12.0
20	11.3	12.6	13.5	12.9
21	12.3	12.4	10.5	12.8
22	12.2	12.5	13.3	12.8
23	12.1	11.0	13.4	12.8
24	12.0	12.5	13.5	12.7
25	10.7	12.8	13.2	12.7
26	6.2	11.3	13.3	12.7
27	1.8	11.7	13.2	12.7
28	1.4	11.2	13.0	9.5
29	4.5	12.6	9.9	9.9
30	11.9	11.1	13.1	10.7
31	.	11.9	11.5	11.6
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	361.9	389.0	376.7
 Daily Means	9.9	11.7	12.5	12.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ENERO**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	8.5	12.8	9.7	13.0
2	12.2	8.5	8.2	13.6
3	11.3	11.3	5.5	11.4
4	12.9	3.7	5.9	8.5
5	13.3	11.9	6.7	8.9
6	12.6	3.2	0.5	6.0
7	8.8	3.4	10.2	5.2
8	11.6	11.7	6.7	6.4
9	12.4	12.3	4.9	9.6
10	13.1	12.7	9.1	10.8
11	13.2	6.1	3.4	0.4
12	6.1	6.1	4.9	12.9
13	13.1	10.3	5.3	13.6
14	13.0	5.4	9.8	12.8
15	8.6	9.9	4.9	8.1
16	12.8	10.4	0.2	13.0
17	13.1	8.3	5.9	13.4
18	13.2	11.4	4.6	9.5
19	12.9	12.0	5.9	7.5
20	13.0	4.1	5.0	10.2
21	12.8	8.8	6.7	12.7
22	12.9	11.9	5.0	10.1
23	12.8	9.2	9.0	9.9
24	12.9	13.3	12.1	5.2
25	12.6	12.8	13.3	3.2
26	12.4	13.0	11.4	11.6
27	12.9	10.5	2.8	1.7
28	1.8	0.6	1.7	3.3
29	9.0	8.9	4.9	3.4
30	10.1	0.7	3.6	9.9
31	12.6	4.4	5.1	7.9
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	358.5	269.6	192.9	273.7
 Daily Means	11.6	8.7	6.2	8.8
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ENERO
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	12.8	1.9	.	
2	13.5	2.5	.	
3	13.2	0.0	0.0	
4	12.4	9.1	0.0	
5	.	4.9	1.7	
6	.	4.6	4.9	
7	.	10.8	6.2	
8	.	9.8	.	
9	.	9.6	.	
10	.	10.7	2.8	
11	.	10.2	6.0	
12	.	4.1	4.7	
13	.	11.9	5.1	
14	.	9.3	3.3	
15	.	3.2	.	
16	.	11.8	.	
17	.	5.5	11.0	
18	.	8.8	6.1	
19	.	10.1	11.2	
20	.	8.4	0.7	
21	.	0.2	2.6	
22	.	1.9	.	
23	.	11.8	.	
24	.	0.0	0.7	
25	.	6.8	5.1	
26	.	7.6	3.1	
27	.	0.3	4.7	
28	.	12.8	.	
29	.	0.5	.	
30	.	10.2	.	
31	.	7.3	8.9	
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	206.6	.	
 Daily Means	.	6.7	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	

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

Month: FEBRERO**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	6.6	9.9	11.0	10.2
2	9.9	6.1	7.4	11.6
3	9.0	11.4	12.3	11.6
4	10.6	11.6	11.3	11.9
5	11.1	11.6	11.3	10.9
6	11.2	11.4	11.3	11.3
7	11.5	11.5	11.2	11.6
8	11.3	11.4	11.5	11.4
9	10.8	11.6	11.2	11.7
10	10.8	11.4	11.2	11.6
11	11.2	11.4	11.4	11.7
12	11.0	11.6	11.4	11.6
13	10.2	11.4	11.5	11.5
14	8.1	11.2	12.0	11.0
15	10.1	11.2	11.9	10.9
16	10.9	10.6	11.7	9.9
17	11.1	11.3	11.8	10.3
18	10.9	11.3	11.9	10.5
19	10.1	11.3	12.2	11.3
20	10.4	11.3	12.2	9.9
21	7.5	11.2	11.9	11.1
22	2.0	7.9	10.8	10.9
23	9.5	9.8	5.6	10.7
24	7.1	10.3	3.5	10.9
25	8.3	10.4	10.4	10.0
26	3.5	10.5	9.6	10.7
27	7.5	10.4	10.1	10.2
28	7.5	10.9	10.1	10.1
29	7.8	10.9	11.5	7.9
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	267.5	312.8	311.2	314.9
 Daily Means	9.2	10.8	10.7	10.9
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: FEBRERO
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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	10.4	12.5	12.4	12.6
2	11.0	12.4	12.4	11.2
3	12.1	9.4	12.4	10.2
4	12.1	8.7	10.1	3.7
5	12.6	12.1	.	12.7
6	8.9	12.4	.	11.6
7	10.0	9.7	10.0	8.9
8	11.1	9.7	12.3	6.9
9	12.2	9.9	12.4	10.8
10	2.9	11.9	12.3	7.8
11	11.5	7.9	10.4	8.5
12	8.9	8.4	.	10.9
13	11.5	11.9	.	10.0
14	9.6	12.0	12.4	12.5
15	7.3	11.4	11.3	6.8
16	6.1	12.0	12.2	13.3
17	5.7	7.4	12.0	8.0
18	6.0	11.2	11.2	8.5
19	11.4	8.9	.	6.1
20	7.6	11.2	.	12.0
21	11.2	11.2	11.9	9.6
22	11.6	11.5	11.9	8.6
23	10.2	11.1	11.9	9.3
24	9.5	10.3	11.5	9.6
25	5.7	11.1	11.7	5.9
26	4.4	8.5	.	7.4
27	6.4	11.6	.	11.6
28	4.4	11.3	11.7	11.7
29	4.2	8.5	11.6	7.7
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	256.5	306.1	.	274.4
 Daily Means	8.8	10.6	.	9.5
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: FEBRERO

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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	.	9.1	8.8	0.0
2	.	11.6	10.1	4.8
3	.	12.0	10.2	2.7
4	.	12.1	10.2	4.7
5	.	10.3	9.4	1.6
6	.	11.7	10.0	4.8
7	.	12.1	10.0	7.4
8	.	10.7	9.6	6.9
9	.	11.9	9.9	7.1
10	.	11.9	9.9	6.7
11	.	12.0	10.0	4.9
12	.	0.2	0.0	2.4
13	.	11.6	10.0	1.5
14	.	11.6	9.8	0.1
15	.	11.8	9.8	6.2
16	.	11.3	9.8	11.0
17	.	11.5	9.6	6.5
18	.	11.6	9.7	8.0
19	.	11.6	9.7	8.5
20	.	11.5	9.7	9.9
21	.	11.2	8.7	9.6
22	.	7.6	7.2	6.0
23	.	10.9	9.7	1.8
24	.	10.3	9.7	1.2
25	.	11.3	9.6	6.7
26	.	2.9	0.0	6.7
27	.	2.5	5.0	3.8
28	.	11.2	8.4	2.7
29	.	10.8	8.5	5.4
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	296.8	253.0	149.6
 Daily Means	.	10.2	8.7	5.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: FEBRERO**Years: 2000****Country: CHILE**

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	9.5	12.0	10.1	6.9
2	11.7	12.6	12.8	11.6
3	12.1	11.2	13.2	12.5
4	11.2	11.9	13.1	11.9
5	11.5	11.1	12.2	3.2
6	11.3	12.0	10.3	10.6
7	9.3	10.9	12.5	11.3
8	10.6	10.3	2.7	0.0
9	10.6	9.0	12.2	9.4
10	11.1	12.0	10.3	0.7
11	12.0	9.2	4.7	0.0
12	8.5	12.2	8.9	10.6
13	12.2	.	11.0	12.3
14	12.0	11.7	12.5	11.6
15	8.3	9.9	12.5	11.6
16	11.9	11.7	10.0	9.1
17	11.6	11.8	12.6	11.6
18	12.0	11.5	9.7	12.0
19	9.3	12.0	12.6	11.4
20	7.9	.	11.7	9.3
21	0.0	10.9	11.8	11.8
22	0.1	12.7	4.9	10.5
23	2.3	5.4	8.4	9.8
24	6.8	11.0	11.3	11.4
25	11.4	10.9	11.9	6.4
26	2.0	.	0.2	1.7
27	11.8	11.6	10.4	3.5
28	11.7	11.0	10.1	11.0
29	10.8	10.2	12.0	9.4
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	271.5	.	296.6	253.1
 Daily Means	9.4	11.0	10.2	8.7
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: FEBRERO**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	1.5	.	1.1	5.3
2	6.9	8.7	6.7	2.6
3	12.6	10.0	0.5	1.8
4	8.0	.	6.9	11.1
5	11.3	8.0	5.4	4.6
6	8.7	8.6	2.8	5.9
7	11.3	9.3	10.3	11.9
8	0.0	.	0.1	0.0
9	3.4	3.0	0.0	5.8
10	0.0	2.4	7.2	8.8
11	1.5	.	7.6	6.5
12	12.0	5.2	10.5	7.6
13	12.6	10.5	11.8	12.2
14	12.1	12.6	11.7	11.6
15	6.2	10.5	11.2	10.6
16	11.5	10.6	7.5	9.2
17	9.9	6.7	3.8	10.0
18	12.0	12.0	12.0	12.1
19	8.6	11.8	12.1	12.1
20	8.2	12.6	11.5	10.9
21	11.0	12.6	9.0	1.0
22	10.0	7.5	3.5	8.4
23	9.6	5.3	3.7	11.4
24	11.8	3.7	3.1	7.1
25	7.3	1.9	4.5	8.9
26	0.0	1.8	6.3	4.0
27	6.8	5.7	5.1	8.1
28	11.7	4.9	3.6	8.7
29	8.2	11.1	6.9	8.0
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	234.7	.	186.4	226.2
 Daily Means	8.1	7.9	6.4	7.8
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: FEBRERO

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	.	2.8	2.0	
2	.	0.6	1.0	
3	.	11.6	6.3	
4	.	10.5	9.3	
5	.	6.9	.	
6	.	5.6	.	
7	.	11.2	5.2	
8	.	2.7	4.0	
9	.	10.7	1.2	
10	.	5.4	0.9	
11	.	9.3	1.3	
12	.	6.9	.	
13	.	7.5	.	
14	.	3.3	0.9	
15	.	12.9	11.6	
16	.	8.8	2.9	
17	.	8.8	7.9	
18	.	12.8	8.9	
19	.	11.4	.	
20	.	1.8	.	
21	.	0.0	2.0	
22	.	2.3	0.2	
23	.	6.9	8.3	
24	.	0.4	1.1	
25	.	3.4	0.2	
26	.	4.5	0.7	
27	.	3.8	.	
28	.	3.3	8.1	
29	.	0.4	1.9	
30				
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	176.5	.	
 Daily Means	.	6.1	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	

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

Month: MARZO

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	10.2	10.6	11.6	10.7
2	9.6	10.7	11.7	10.2
3	7.0	10.8	11.7	10.0
4	4.5	6.9	11.5	10.9
5	7.8	10.4	10.7	10.4
6	6.0	7.6	6.5	10.1
7	6.7	9.7	10.1	10.3
8	0.1	6.3	3.1	10.9
9	6.3	6.9	6.9	9.5
10	9.4	10.8	10.8	10.8
11	9.8	11.0	10.9	11.4
12	10.9	11.0	8.9	10.4
13	9.9	10.9	10.1	11.1
14	11.1	10.9	10.9	11.0
15	11.2	10.9	10.9	10.6
16	11.0	10.6	11.3	10.0
17	10.5	10.6	11.4	9.5
18	10.3	10.7	10.4	10.9
19	10.4	10.5	11.2	11.2
20	10.5	10.5	11.1	11.0
21	10.6	10.6	11.1	10.0
22	10.6	10.5	9.8	10.9
23	9.1	10.2	8.8	10.6
24	8.5	10.4	10.7	10.1
25	10.4	10.1	10.7	10.8
26	10.2	10.4	10.8	9.5
27	10.5	10.4	10.5	10.0
28	10.3	10.4	10.5	10.4
29	9.3	10.5	10.4	9.7
30	10.3	10.4	10.4	9.9
31	10.6	10.4	10.5	10.2
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	283.6	312.6	315.9	323.0
 Daily Means	9.1	10.1	10.2	10.4
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MARZO**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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	8.7	10.9	11.6	9.2
2	11.2	7.4	11.5	7.3
3	1.3	10.3	11.5	11.1
4	5.8	7.1	.	4.5
5	2.6	9.3	.	6.6
6	11.6	7.8	11.5	4.3
7	11.2	7.9	11.2	9.3
8	4.7	10.1	10.9	6.2
9	4.6	10.8	10.6	10.4
10	10.7	10.5	10.3	11.0
11	5.9	10.9	.	11.3
12	5.5	10.8	.	11.4
13	9.4	10.9	10.4	11.2
14	11.2	10.9	10.6	10.8
15	4.8	10.1	10.2	9.1
16	4.5	8.6	8.6	8.2
17	6.9	7.5	9.6	8.2
18	9.8	7.7	7.2	1.6
19	4.8	7.1	8.1	4.1
20	8.0	10.3	10.5	10.0
21	6.3	10.9	11.0	10.5
22	0.0	7.1	9.7	4.3
23	7.3	7.6	7.4	5.6
24	9.4	8.7	7.4	9.0
25	9.2	7.1	7.0	4.0
26	10.4	10.3	.	10.4
27	7.2	7.8	11.2	10.3
28	9.4	5.8	10.4	6.4
29	10.6	6.0	9.5	1.3
30	6.7	9.6	10.5	9.9
31	4.3	7.1	10.3	2.5
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	224.0	274.9	.	240.0
 Daily Means	7.2	8.9	10.0	7.7
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MARZO

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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	.	10.8	9.7	2.0
2	.	9.5	8.9	5.8
3	.	10.3	9.3	5.1
4	.	10.6	9.4	8.1
5	.	10.8	9.4	8.6
6	.	10.6	8.3	5.5
7	.	10.5	9.3	1.8
8	.	10.5	9.3	5.1
9	.	8.3	8.8	8.9
10	.	9.3	8.8	5.8
11	.	10.5	8.2	8.2
12	.	7.1	6.1	8.5
13	.	10.5	9.2	1.5
14	.	10.1	9.1	1.1
15	.	10.5	9.1	4.3
16	.	10.3	9.0	2.3
17	.	10.5	9.0	3.8
18	.	10.7	10.0	0.3
19	.	9.7	9.0	3.5
20	.	9.2	8.4	3.4
21	.	10.1	9.1	4.1
22	.	10.5	8.0	5.1
23	.	10.3	9.0	4.8
24	.	10.2	9.0	6.0
25	.	10.2	8.8	4.5
26	.	9.1	7.8	4.0
27	.	10.5	8.8	2.6
28	.	10.3	8.7	6.6
29	.	10.2	8.7	4.1
30	.	9.2	8.7	3.6
31	.	9.5	8.7	4.5
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	310.4	273.6	143.5
 Daily Means	.	10.0	8.8	4.6
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MARZO**Years: 2000****Country: CHILE**

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	8.8	9.7	11.8	11.2
2	10.7	11.0	11.6	10.9
3	11.0	11.6	11.9	11.4
4	10.7	12.0	11.8	11.2
5	11.3	11.5	11.8	11.5
6	4.0	10.5	11.6	10.8
7	4.0	8.0	11.5	10.7
8	0.0	0.0	10.6	10.2
9	7.4	8.3	4.9	2.3
10	10.2	10.3	7.8	9.8
11	5.8	8.8	8.2	9.7
12	6.0	4.5	4.1	0.6
13	10.3	10.9	8.4	5.4
14	11.0	11.0	10.8	10.8
15	5.7	10.6	6.6	2.6
16	10.4	11.0	7.0	11.0
17	9.5	10.8	10.8	11.0
18	4.4	10.7	10.7	8.2
19	8.4	3.0	6.6	7.8
20	10.9	10.5	7.9	10.3
21	11.2	10.5	10.3	10.8
22	9.1	9.6	9.2	9.7
23	10.7	9.5	7.0	5.5
24	10.8	9.5	8.3	10.5
25	5.3	10.3	10.5	10.3
26	9.1	2.8	3.8	9.7
27	10.3	10.5	8.6	10.6
28	11.0	9.6	10.2	10.9
29	6.0	8.6	10.6	10.1
30	3.9	9.7	7.9	7.7
31	10.7	10.1	10.4	10.2
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	258.6	285.4	283.2	283.4
 Daily Means	8.3	9.2	9.1	9.1
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MARZO

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	10.8	8.1	10.3	9.0
2	10.7	10.6	4.3	9.5
3	11.7	8.7	7.3	7.1
4	10.2	9.7	6.7	8.5
5	12.7	11.2	11.3	5.0
6	10.8	10.8	8.9	10.9
7	10.7	11.6	9.3	11.3
8	0.0	11.4	5.6	11.2
9	0.0	3.6	6.9	9.7
10	10.5	6.1	5.6	8.2
11	6.1	3.9	0.0	6.6
12	0.1	2.2	3.0	2.2
13	9.7	5.3	2.2	5.5
14	9.7	0.7	0.0	1.0
15	3.1	5.1	5.9	2.6
16	10.8	6.9	5.3	10.3
17	11.4	11.1	9.0	7.6
18	10.8	7.2	5.6	2.3
19	9.0	3.6	2.5	7.9
20	10.9	2.6	1.1	10.1
21	11.0	7.4	10.0	3.8
22	8.9	0.0	1.6	2.0
23	5.8	6.9	3.0	4.9
24	10.0	8.2	0.4	4.7
25	8.3	3.7	4.1	1.6
26	8.7	7.8	5.9	7.7
27	10.7	8.0	6.8	5.3
28	10.6	10.5	9.3	3.0
29	10.2	6.8	0.4	6.8
30	10.2	6.5	6.2	2.6
31	10.1	10.1	8.0	7.3
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	274.2	216.3	166.5	196.2
 Daily Means	8.8	7.0	5.4	6.3
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MARZO

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	.	7.7	6.7	
2	.	5.2	3.1	
3	.	9.6	0.0	
4	.	0.3	.	
5	.	0.8	.	
6	.	0.1	1.4	
7	.	9.0	8.3	
8	.	0.0	0.1	
9	.	9.4	4.5	
10	.	1.4	3.9	
11	.	0.1	.	
12	.	6.3	.	
13	.	0.2	7.1	
14	.	6.9	0.4	
15	.	4.3	0.4	
16	.	7.8	0.0	
17	.	4.1	0.0	
18	3.8	0.4	.	
19	9.3	5.2	.	
20	5.8	2.5	0.4	
21	9.5	9.0	4.0	
22	4.6	0.0	6.4	
23	8.0	6.7	1.0	
24	9.1	2.8	3.4	
25	3.7	3.9	.	
26	8.4	7.7	.	
27	7.9	3.7	0.1	
28	6.9	7.1	3.8	
29	10.1	0.0	0.2	
30	3.5	5.2	8.2	
31	8.2	0.0	0.9	
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	.	127.4	.	
 Daily Means	.	4.1	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	

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

Month: ABRIL

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	9.4	10.2	10.3	10.6
2	9.8	10.4	10.2	10.5
3	10.5	10.3	10.4	10.1
4	4.8	7.0	10.4	9.4
5	4.9	6.3	10.3	4.2
6	5.4	8.5	10.5	8.9
7	7.0	9.0	10.4	8.6
8	8.2	10.2	9.5	10.3
9	9.8	10.1	10.4	10.5
10	10.2	10.0	10.4	9.5
11	3.3	0.0	10.3	7.7
12	9.6	3.1	10.3	2.6
13	2.5	10.1	7.4	6.3
14	9.7	9.1	10.0	10.5
15	10.3	10.2	10.0	8.0
16	6.9	7.5	10.2	0.0
17	7.6	6.1	10.3	9.9
18	4.9	8.5	10.4	10.6
19	2.8	10.2	10.4	9.6
20	2.9	8.6	10.3	9.0
21	5.8	10.1	9.4	9.8
22	10.0	10.1	10.1	9.9
23	5.1	3.9	10.3	6.4
24	9.6	10.2	10.3	10.0
25	11.0	10.1	10.3	10.0
26	6.3	10.0	10.2	10.0
27	6.0	10.0	10.2	10.0
28	5.4	9.9	10.2	9.4
29	5.4	8.0	10.2	7.2
30	4.5	5.6	10.2	8.9
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	209.6	253.3	303.8	258.4
 Daily Means	7.0	8.4	10.1	8.6
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ABRIL**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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	9.3	6.5	.	3.9
2	6.5	8.9	.	0.5
3	10.1	8.3	10.5	9.9
4	8.0	8.6	10.5	9.7
5	7.8	0.0	4.6	0.0
6	8.9	3.3	3.4	0.0
7	4.6	7.5	9.9	8.2
8	4.3	6.8	10.0	5.3
9	8.0	5.7	10.0	9.9
10	7.4	6.3	10.2	8.1
11	6.6	5.9	8.6	2.8
12	2.1	5.1	4.7	4.3
13	9.6	0.4	0.0	1.0
14	4.7	7.7	4.0	1.8
15	7.3	9.0	10.0	6.4
16	5.7	1.0	0.3	0.6
17	0.8	8.6	7.0	8.0
18	6.7	9.1	10.0	3.8
19	10.0	6.1	6.9	1.0
20	9.8	5.7	9.1	0.0
21	10.0	4.9	5.7	0.2
22	10.6	7.1	9.6	1.5
23	5.1	6.2	7.0	0.2
24	1.6	7.8	8.8	5.8
25	5.4	6.8	9.4	9.6
26	4.4	7.4	9.8	5.1
27	1.4	7.5	9.7	5.7
28	2.6	9.0	10.0	6.0
29	4.9	8.4	5.6	1.8
30	0.0	4.8	6.3	3.7
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	184.2	190.4	.	124.8
 Daily Means	6.1	6.3	7.6	4.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ABRIL**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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	9.7	10.1	8.7	2.6
2	6.2	7.5	6.3	1.2
3	9.6	9.7	8.7	3.1
4	9.7	9.7	8.7	3.0
5	9.0	8.6	7.5	0.3
6	9.2	9.9	8.3	0.0
7	8.3	6.7	7.5	0.0
8	9.6	8.5	8.7	3.6
9	8.5	7.9	6.9	4.8
10	9.6	9.7	8.9	4.0
11	9.6	10.1	8.9	2.1
12	8.5	9.3	8.4	1.7
13	0.0	0.0	0.0	2.0
14	1.4	0.0	0.0	0.9
15	0.0	2.7	2.0	0.4
16	2.2	4.2	2.1	0.6
17	4.9	1.3	1.8	1.0
18	9.6	8.5	8.4	0.1
19	9.7	6.2	8.3	7.2
20	9.5	3.1	4.1	5.2
21	10.0	6.3	8.1	8.1
22	9.7	8.7	8.5	6.7
23	10.0	9.4	8.7	6.5
24	3.5	0.0	0.0	4.4
25	0.4	0.0	0.0	4.4
26	5.1	4.2	3.6	0.0
27	3.0	5.3	5.2	6.8
28	9.5	8.0	7.1	7.4
29	9.6	8.2	7.0	5.2
30	7.7	6.7	6.3	3.8
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	213.3	190.5	178.7	97.1
 Daily Means	7.1	6.4	6.0	3.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ABRIL

Years: 2000

Country: CHILE

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	5.9	10.0	9.8	9.2
2	7.2	8.6	8.1	9.4
3	9.1	10.0	9.1	6.6
4	6.2	10.1	9.7	8.5
5	10.5	9.5	7.2	9.9
6	0.0	0.0	10.2	6.5
7	5.4	6.2	4.6	0.0
8	10.4	10.1	9.1	0.4
9	8.0	9.0	7.1	0.1
10	10.6	10.1	10.0	9.5
11	10.1	9.5	9.5	9.8
12	3.4	1.9	9.5	8.3
13	0.0	0.0	0.0	0.0
14	0.0	0.3	0.0	0.0
15	2.5	6.2	7.4	7.9
16	0.2	5.3	3.3	6.4
17	6.2	5.6	4.4	5.4
18	1.2	9.1	6.2	4.3
19	0.0	0.0	0.0	0.0
20	5.8	8.0	5.3	9.0
21	9.4	9.6	4.6	9.0
22	10.1	10.0	6.4	8.4
23	7.8	10.1	8.2	9.0
24	0.0	0.0	0.0	0.0
25	1.0	0.0	0.0	4.3
26	3.7	2.6	1.0	4.4
27	6.7	3.5	6.4	8.7
28	9.1	3.2	7.1	5.7
29	8.3	9.5	6.5	1.2
30	5.6	9.8	6.8	0.1
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	164.4	187.8	177.5	162.0
 Daily Means	5.5	6.3	5.9	5.4
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ABRIL

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	10.4	9.6	8.7	6.4
2	1.4	8.0	9.0	6.4
3	7.5	1.9	0.0	0.7
4	6.2	2.7	1.2	5.1
5	10.2	8.5	7.6	5.4
6	5.9	0.0	0.1	9.0
7	0.2	0.0	0.1	6.0
8	0.0	0.0	5.2	7.9
9	5.2	8.5	7.2	8.7
10	9.9	8.3	5.6	0.6
11	10.2	9.5	9.7	7.0
12	9.7	2.7	0.9	6.1
13	0.0	1.7	0.0	9.0
14	0.0	0.0	4.6	8.9
15	9.1	1.0	3.7	6.9
16	3.8	5.6	6.8	7.9
17	0.0	7.6	8.1	7.1
18	0.0	0.0	0.0	6.8
19	8.4	0.2	0.2	0.0
20	9.3	8.1	4.7	3.9
21	9.6	2.3	1.3	3.0
22	8.4	0.0	0.5	2.2
23	9.1	2.6	0.0	4.3
24	0.2	0.5	0.0	0.0
25	6.8	7.9	6.7	1.5
26	5.7	3.5	0.7	4.5
27	9.2	2.6	3.4	4.4
28	7.2	1.5	1.0	5.0
29	0.0	0.5	0.0	4.5
30	4.9	0.0	0.0	1.0
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	168.5	105.3	97.0	150.2
 Daily Means	5.6	3.5	3.2	5.0
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: ABRIL

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	6.3	3.1	.	
2	8.1	5.2	.	
3	0.2	0.7	2.6	
4	2.9	9.2	8.9	
5	7.5	2.6	0.6	
6	8.7	0.0	0.0	
7	7.2	0.0	0.0	
8	9.9	3.7	.	
9	7.7	0.8	.	
10	1.8	6.0	3.7	
11	7.8	5.7	4.0	
12	9.5	7.4	6.1	
13	9.7	3.9	4.2	
14	8.3	6.7	0.7	
15	7.6	7.7	.	
16	9.7	2.6	.	
17	8.3	1.7	0.0	
18	4.6	1.8	1.7	
19	0.4	6.9	8.5	
20	7.3	0.4	0.0	
21	3.3	6.1	.	
22	5.0	4.3	.	
23	8.2	0.0	.	
24	0.0	2.1	1.3	
25	4.0	4.4	7.2	
26	5.5	5.6	7.3	
27	6.1	6.1	3.7	
28	7.2	5.8	2.6	
29	7.3	6.0	.	
30	1.4	4.5	.	
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	181.5	121.0	.	
 Daily Means	6.1	4.0	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	

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

Month: MAYO

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	6.6	9.7	10.1	8.3
2	5.3	9.6	10.1	7.7
3	7.3	9.7	10.1	8.3
4	8.4	9.0	10.1	9.3
5	6.6	1.7	6.9	7.7
6	9.7	9.2	8.3	6.0
7	8.3	7.1	4.6	1.0
8	8.3	6.7	0.2	0.4
9	9.7	9.7	6.9	6.6
10	9.3	7.3	6.2	5.3
11	3.4	8.1	10.0	2.6
12	3.4	2.7	10.1	0.0
13	8.3	5.6	6.2	3.7
14	4.2	8.6	8.0	6.2
15	6.3	9.8	9.2	10.0
16	9.5	9.2	10.1	10.0
17	6.6	9.6	10.1	5.8
18	4.2	8.8	9.4	6.4
19	0.5	2.0	9.3	9.7
20	5.8	9.7	9.9	9.7
21	7.3	9.6	9.9	7.3
22	10.8	9.6	9.8	8.7
23	8.8	9.6	9.9	7.3
24	9.8	9.7	9.9	8.8
25	5.9	9.8	9.8	9.9
26	4.6	9.7	9.8	7.8
27	4.1	0.0	9.8	3.7
28	9.9	9.6	9.8	8.0
29	2.4	2.8	9.6	8.8
30	7.0	6.7	9.6	8.8
31	9.5	9.7	9.8	9.7
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	211.8	240.6	273.5	213.5
 Daily Means	6.8	7.8	8.8	6.9
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MAYO

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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	3.7	6.4	5.8	6.0
2	6.7	8.7	9.3	9.5
3	3.6	9.0	6.1	6.5
4	5.3	8.5	9.9	10.1
5	4.5	8.8	10.1	10.2
6	8.5	8.3	9.9	8.6
7	2.6	6.0	8.5	5.7
8	8.3	6.8	10.0	5.7
9	0.0	6.9	4.2	0.1
10	4.5	7.7	9.4	5.8
11	7.4	9.0	10.0	8.9
12	9.0	0.0	1.7	0.0
13	6.2	3.8	5.9	4.1
14	9.1	3.7	1.2	1.4
15	9.3	7.1	1.7	1.2
16	8.2	8.8	9.8	9.0
17	6.1	7.2	9.6	7.0
18	2.9	6.5	5.6	6.6
19	8.5	8.5	9.4	8.5
20	4.0	6.6	.	5.4
21	4.7	5.8	.	7.8
22	7.1	7.4	3.4	0.0
23	9.1	8.5	7.9	1.8
24	5.0	7.3	8.8	7.1
25	5.8	7.7	9.5	9.4
26	8.7	8.7	8.6	8.1
27	5.9	7.6	9.0	8.3
28	0.0	6.4	5.8	7.6
29	9.1	8.7	9.5	9.5
30	2.6	5.7	8.5	3.4
31	0.3	6.9	3.7	0.0
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	176.7	219.0	.	183.3
 Daily Means	5.7	7.1	7.3	5.9
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MAYO

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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	0.0	0.0	0.0	4.3
2	7.0	2.8	1.5	2.5
3	5.7	4.6	5.1	5.8
4	7.5	8.6	8.1	3.7
5	9.2	8.5	8.2	1.1
6	9.6	9.3	8.1	2.5
7	9.6	9.1	8.5	5.9
8	9.5	9.0	8.3	0.4
9	8.0	8.6	8.2	0.5
10	7.5	4.2	4.1	1.8
11	4.8	3.7	2.9	5.9
12	1.4	3.9	2.7	2.2
13	0.0	0.3	0.0	3.7
14	0.6	0.9	0.8	1.1
15	5.6	5.7	5.6	2.6
16	9.4	9.0	8.1	1.5
17	9.3	9.3	7.8	2.5
18	5.6	0.8	0.4	4.9
19	3.8	1.0	0.7	4.1
20	1.2	0.0	0.0	3.0
21	1.0	2.4	1.2	5.6
22	8.0	8.2	7.2	4.2
23	8.5	2.6	2.7	0.0
24	0.0	0.1	0.0	5.2
25	6.2	8.2	7.0	4.6
26	1.5	1.8	1.2	0.7
27	3.9	4.5	4.5	1.3
28	6.0	3.8	2.2	4.1
29	9.2	7.9	7.0	5.4
30	2.6	0.0	0.2	0.0
31	5.3	7.9	6.9	5.7
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	167.5	146.7	129.2	96.8
 Daily Means	5.4	4.7	4.2	3.1
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MAYO

Years: 2000

Country: CHILE

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	6.1	3.0	1.4	2.1
2	8.4	6.5	2.9	6.6
3	7.0	2.9	6.5	6.3
4	9.8	10.0	8.7	9.2
5	9.8	9.8	8.9	8.7
6	9.9	9.1	6.4	9.0
7	5.0	10.0	5.6	3.2
8	1.1	4.6	3.9	2.0
9	0.0	0.0	4.5	3.3
10	0.0	0.0	0.0	0.1
11	7.4	4.7	4.0	4.8
12	6.7	6.7	3.1	6.8
13	1.2	2.0	0.4	3.4
14	2.1	2.6	0.3	0.1
15	8.3	4.2	3.5	3.3
16	9.3	8.5	9.2	7.1
17	6.4	9.0	6.5	4.6
18	4.2	2.5	0.0	0.0
19	1.3	1.5	0.7	0.0
20	3.7	4.1	0.0	0.0
21	4.9	5.0	1.1	1.6
22	6.6	6.8	5.3	6.5
23	3.6	0.6	1.8	0.0
24	0.0	0.0	0.3	0.9
25	7.5	5.8	0.7	1.8
26	5.0	5.2	0.2	0.0
27	4.8	4.5	4.2	3.0
28	2.7	3.8	0.1	0.1
29	7.6	6.3	6.7	2.7
30	3.7	0.6	0.0	0.0
31	8.4	8.5	6.1	4.3
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	162.5	148.8	103.0	101.5
 Daily Means	5.2	4.8	3.3	3.3
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MAYO**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	6.4	5.8	5.5	6.1
2	5.1	0.3	0.1	0.9
3	9.2	8.5	8.8	0.3
4	9.7	7.0	7.7	3.9
5	9.1	3.4	0.6	0.0
6	8.9	0.7	0.0	1.6
7	6.6	5.6	4.0	1.8
8	6.5	1.7	0.0	4.7
9	6.7	7.0	8.0	0.0
10	0.0	0.7	7.9	2.1
11	6.0	0.4	0.0	0.6
12	1.5	0.0	0.6	1.1
13	1.5	0.0	0.7	0.1
14	0.7	1.7	8.5	6.9
15	5.6	0.0	4.1	1.0
16	8.5	1.4	0.0	7.3
17	3.5	2.2	5.7	1.6
18	0.0	0.0	4.5	2.9
19	1.2	6.1	4.0	5.4
20	0.4	0.6	0.5	0.2
21	5.2	1.6	0.5	0.2
22	6.9	3.6	3.9	7.1
23	0.1	0.1	4.9	1.1
24	1.0	0.3	0.5	0.1
25	4.2	3.6	2.5	0.5
26	2.3	0.0	0.0	1.6
27	0.0	0.0	0.2	1.9
28	0.0	0.0	1.0	0.3
29	5.4	1.7	0.9	3.4
30	0.0	0.0	0.1	0.0
31	7.7	0.0	5.5	.
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	129.9	64.0	91.2	.
 Daily Means	4.2	2.1	2.9	2.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: MAYO

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	7.2	3.2	.	
2	3.7	1.7	1.4	
3	3.0	0.0	0.1	
4	3.7	0.4	0.6	
5	0.0	0.0	0.0	
6	3.5	4.7	.	
7	1.8	0.6	.	
8	8.0	6.8	1.0	
9	2.1	0.0	3.0	
10	8.0	0.9	0.0	
11	2.1	1.2	1.1	
12	1.4	0.0	0.0	
13	0.0	5.1	.	
14	2.3	5.1	.	
15	1.6	2.7	0.2	
16	7.3	1.4	0.8	
17	1.1	6.3	7.4	
18	3.3	2.6	3.1	
19	8.0	5.9	4.5	
20	1.0	2.1	.	
21	1.1	4.7	.	
22	8.1	5.1	0.0	
23	0.0	4.7	6.6	
24	0.7	1.5	2.8	
25	2.3	0.0	0.9	
26	3.8	0.0	3.5	
27	2.8	0.0	.	
28	0.2	0.0	.	
29	0.6	1.1	5.7	
30	0.0	1.4	6.4	
31	3.0	3.7	6.6	
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	91.7	72.9	.	
 Daily Means	3.0	2.4	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	

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

Month: JUNIO**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	1.5	0.6	6.0	4.4
2	9.8	9.4	6.0	9.6
3	10.1	9.7	9.8	9.5
4	1.8	6.7	9.8	8.0
5	0.2	1.7	9.8	5.6
6	1.9	4.9	7.5	3.7
7	9.3	9.5	9.7	9.6
8	2.4	0.0	9.8	8.6
9	5.3	6.2	8.9	7.0
10	0.1	6.7	9.8	8.1
11	0.0	9.2	9.8	7.0
12	5.0	5.2	9.7	7.7
13	0.0	0.0	9.7	2.8
14	1.4	6.8	9.7	5.9
15	0.8	7.5	9.7	5.7
16	0.0	6.5	9.7	6.0
17	0.9	2.8	8.9	6.1
18	0.0	2.7	9.6	8.7
19	2.0	3.0	9.7	9.1
20	4.3	7.1	9.7	9.7
21	2.7	0.3	9.8	7.1
22	5.3	2.7	9.8	5.0
23	3.3	4.9	9.3	6.1
24	7.2	10.0	9.8	9.8
25	3.7	9.5	9.8	8.7
26	5.2	9.5	9.7	6.9
27	3.2	7.0	9.9	7.8
28	4.8	9.5	9.8	6.2
29	6.6	9.3	9.8	5.6
30	4.4	0.0	9.7	6.8
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	103.2	168.9	280.7	212.8
 Daily Means	3.4	5.6	9.4	7.1
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: JUNIO**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	ISLA DE PASCUA	COPIAPO	VALLENAR	LA SERENA
Date				
1	3.7	3.6	5.0	6.0
2	4.6	8.2	7.8	9.0
3	5.2	8.9	9.2	7.9
4	2.1	7.2	9.3	5.8
5	5.6	7.5	8.8	9.4
6	4.3	8.2	3.3	0.0
7	7.2	7.2	7.8	7.2
8	6.2	5.3	9.3	5.3
9	5.8	6.4	3.2	1.4
10	8.8	8.7	9.2	9.0
11	0.8	7.7	9.1	5.8
12	0.2	7.2	6.1	0.5
13	0.2	8.4	7.0	4.7
14	6.5	7.7	8.6	0.0
15	3.6	2.3	4.5	9.4
16	0.4	8.8	9.2	7.3
17	7.8	6.5	4.5	4.2
18	4.1	0.5	2.0	4.1
19	6.5	0.0	0.0	0.1
20	8.2	8.8	7.4	3.9
21	6.9	8.7	9.1	9.6
22	0.3	7.0	8.5	5.4
23	4.2	7.9	2.3	4.6
24	9.2	6.2	8.1	8.0
25	3.3	8.8	9.0	8.8
26	0.6	8.8	9.1	9.0
27	3.4	7.0	0.4	0.0
28	9.5	3.1	3.8	0.0
29	9.0	7.5	3.3	1.5
30	5.1	8.8	9.2	9.3
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	143.3	202.9	194.1	157.2
 Daily Means	4.8	6.8	6.5	5.2
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: JUNIO

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	CALLE LARGA	PUDAHUEL	QUINTA NORMAL	ROBINSON CRUSOE
Date				
1	8.5	8.8	6.9	2.3
2	5.6	6.0	5.2	0.0
3	9.1	8.4	7.0	0.0
4	9.1	8.4	6.9	4.0
5	0.7	1.8	0.3	4.4
6	6.6	.	0.0	5.8
7	5.7	6.2	6.3	0.5
8	4.7	1.8	1.1	1.2
9	0.0	0.0	0.0	1.6
10	7.8	7.7	6.4	0.4
11	0.0	.	0.0	0.0
12	0.0	.	0.0	4.1
13	0.0	0.2	0.0	3.7
14	0.0	0.0	0.0	0.9
15	5.1	5.6	5.9	3.6
16	7.8	8.5	6.9	4.2
17	8.4	6.6	6.7	0.3
18	8.0	8.0	6.8	0.0
19	0.0	0.0	0.0	5.0
20	0.0	0.3	0.0	2.3
21	7.8	4.7	4.7	0.0
22	6.4	3.3	3.5	5.0
23	0.0	0.0	0.0	1.1
24	0.0	1.1	0.4	4.9
25	2.5	4.0	3.9	4.3
26	0.8	0.0	0.1	0.0
27	0.0	.	0.8	3.5
28	0.0	0.0	0.0	0.2
29	0.0	0.0	0.0	0.0
30	0.0	.	0.0	1.1
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	104.6	.	79.8	64.4
 Daily Means	3.5	3.7	2.7	2.1
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: JUNIO**Years: 2000****Country: CHILE**

Daily Totals				
Latitude	33°39' S	34°06' S	34°58' S	36°36' S
Longitude	71°36' W	71°45' W	71°12' W	72°26' W
Elevation	74 m	296 m	225 m	124 m
Station	SANTO DOMINGO	HIDANGO	CURICO	CHILLAN
Date				
1	8.0	8.0	3.8	0.5
2	5.8	0.0	0.0	0.0
3	6.5	8.5	8.4	0.0
4	7.6	4.0	1.3	0.0
5	3.8	5.0	0.7	8.0
6	6.0	6.1	2.0	7.4
7	7.2	8.5	1.6	3.8
8	2.1	0.0	0.1	2.4
9	0.3	0.0	0.0	0.0
10	6.2	7.0	0.5	1.1
11	2.9	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	1.0
14	0.0	0.0	0.3	1.1
15	2.5	0.0	0.0	0.0
16	7.3	2.8	8.3	8.5
17	7.3	8.4	7.6	4.5
18	7.8	7.0	7.0	6.3
19	0.0	0.0	0.0	0.2
20	0.1	0.0	0.2	0.0
21	4.9	0.0	0.0	0.5
22	0.0	0.0	0.0	1.5
23	0.0	0.0	0.0	0.0
24	1.6	0.5	0.0	1.4
25	4.8	1.3	1.4	1.4
26	1.9	0.7	0.0	0.0
27	2.3	0.0	0.0	2.4
28	0.0	.	0.0	1.5
29	0.0	.	0.0	0.0
30	0.0	.	0.0	1.2
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	96.9	.	43.2	54.7
 Daily Means	3.2	2.5	1.4	1.8
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: JUNIO

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	2.3	0.9	0.6	0.3
2	0.0	0.0	0.0	0.8
3	0.0	0.0	0.0	0.0
4	0.0	1.8	0.0	0.0
5	8.4	4.2	5.4	3.0
6	8.7	0.0	6.9	3.0
7	2.4	0.0	0.0	0.6
8	0.0	0.0	0.3	3.1
9	0.0	0.0	0.0	0.9
10	0.8	0.2	2.1	3.4
11	0.0	0.0	0.0	0.4
12	0.1	0.0	0.0	0.0
13	2.7	1.0	0.0	0.9
14	4.6	0.0	0.6	5.5
15	1.0	6.5	8.3	4.4
16	7.6	2.8	6.5	2.4
17	8.5	4.6	6.3	5.7
18	8.3	4.9	6.7	3.3
19	0.0	0.0	3.7	4.3
20	0.0	0.0	0.0	0.9
21	0.7	0.2	3.1	1.4
22	5.5	1.6	4.9	0.0
23	0.0	0.0	1.4	0.0
24	6.4	0.7	1.4	0.0
25	2.1	2.9	1.4	1.8
26	0.0	0.0	1.0	0.2
27	3.7	1.0	1.3	0.0
28	3.5	0.8	1.0	1.6
29	0.0	0.0	0.0	0.8
30	2.6	3.6	4.0	0.5
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	79.9	37.7	66.9	49.2
 Daily Means	2.7	1.3	2.2	1.6
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO
Instruments	CAMPELL	CAMPELL	CAMPELL	CAMPELL
	STOKES	STOKES	STOKES	STOKES

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

Month: JUNIO
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	1.0	0.0	0.0	
2	1.1	0.9	0.0	
3	0.0	0.6	.	
4	0.0	0.0	.	
5	3.7	3.5	1.6	
6	4.6	0.0	0.0	
7	1.7	0.5	0.4	
8	3.6	1.4	5.9	
9	5.5	2.3	1.4	
10	3.8	4.7	.	
11	3.6	1.3	.	
12	0.0	5.3	5.6	
13	0.0	0.0	4.9	
14	6.4	3.5	3.8	
15	4.0	3.5	3.2	
16	3.7	3.5	3.8	
17	4.5	4.1	.	
18	7.8	0.7	.	
19	6.4	0.0	.	
20	1.2	0.0	0.8	
21	0.0	0.4	0.0	
22	0.0	0.0	2.4	
23	1.4	2.5	0.0	
24	0.0	3.1	.	
25	0.0	1.0	.	
26	0.0	0.1	.	
27	0.0	0.6	3.9	
28	1.9	0.0	2.3	
29	1.8	0.0	0.0	
30	0.3	0.0	0.0	
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	68.0	43.5	.	
 Daily Means	2.3	1.5	.	
Types of	HELIOGRAFO	HELIOGRAFO	HELIOGRAFO	
Instruments	CAMPELL	CAMPELL	CAMPELL	
	STOKES	STOKES	STOKES	