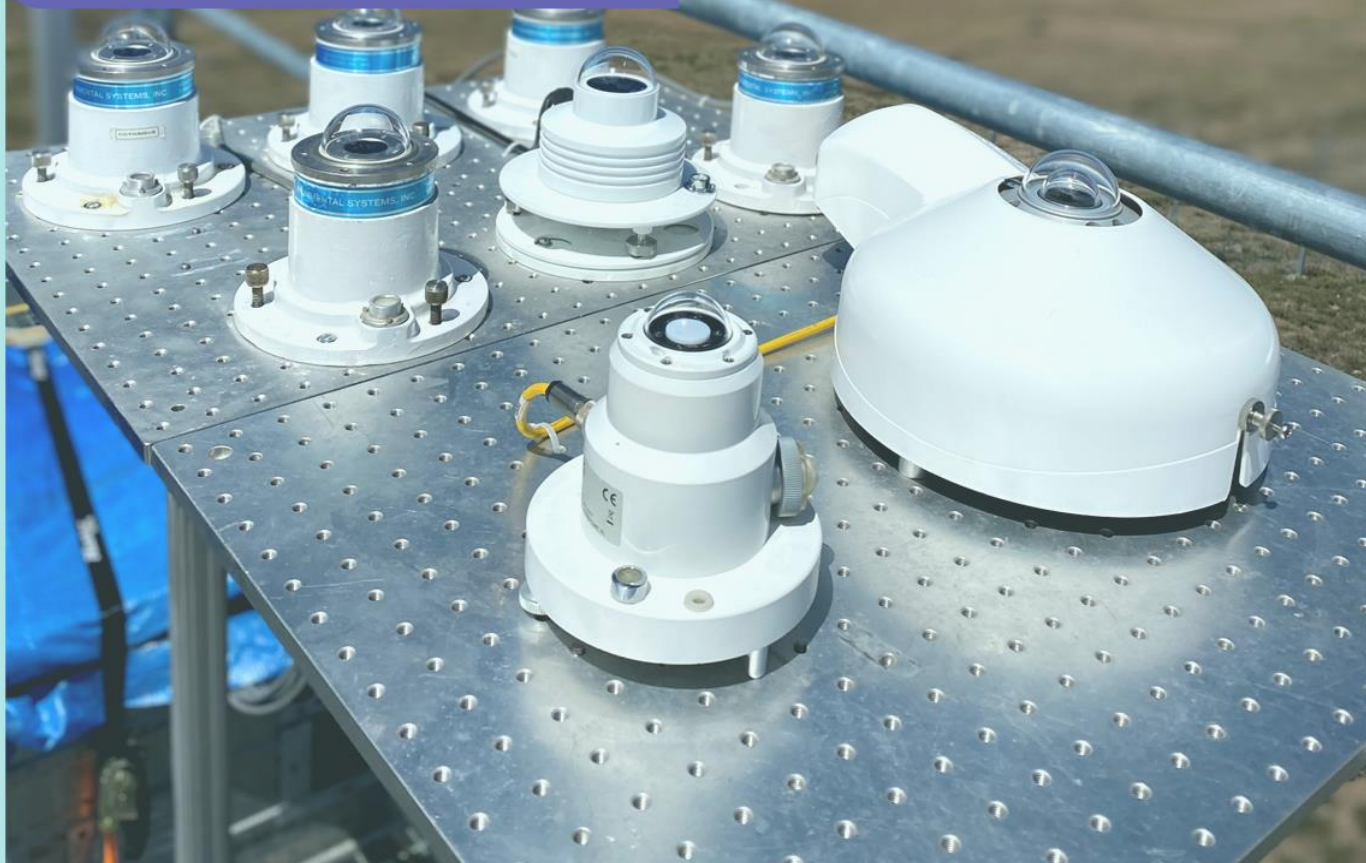


Informe

Solarimétrico

1 Semestre 2021

Oficina de Servicios Climáticos



Dirección Meteorológica de Chile
Subdepartamento de Climatología y Meteorología Aplicada

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

Month: JANUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15'S	
Longitude	70°19'W	68°54' W	70°26' W	70°46'W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	26.61	.	.	.	.
2	24.51	.	.	.	.
3	24.86	.	.	.	.
4	24.42	.	.	.	16.73
5	27.52	.	.	.	30.55
6	27.66	.	.	.	30.25
7	28.04	.	.	.	33.07
8	26.98	.	.	.	28.81
9	27.84	.	.	.	25.26
10	25.72	.	.	.	24.92
11	26.42	.	.	.	27.90
12	27.61	.	.	.	28.19
13	27.56	.	.	.	28.74
14	26.90	.	.	.	24.67
15	23.60	.	.	.	21.99
16	28.73	.	.	.	29.06
17	28.08	.	.	.	32.89
18	26.81	.	.	.	25.77
19	28.38	.	.	.	28.19
20	28.00	.	.	.	28.18
21	27.97	.	.	.	28.15
22	17.37	.	.	.	31.17
23	28.28	.	.	.	30.54
24	23.89	.	.	.	31.82
25	27.44	.	.	.	31.05
26	26.91	.	.	.	28.81
27	27.29	.	.	.	29.02
28	20.92	.	.	.	13.56
29	28.22	.	.	.	21.85
30	25.04	.	.	.	25.50
31	23.83	.	.	.	29.31
TT|Monthly Totals	813.43	.	.	.	.
|Daily Means	26.24	.	.	.	27.35
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: JANUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	31.66	32.66	.	18.87	
2	30.11	33.57	.	30.82	
3	31.93	23.70	.	26.27	
4	31.54	30.00	.	17.17	
5	29.44	31.98	.	17.76	
6	31.88	31.41	.	10.98	
7	31.56	29.51	.	20.82	
8	30.59	23.70	.	23.39	
9	22.14	8.90	.	17.91	
10	32.49	14.55	.	14.97	
11	28.39	18.33	.	13.33	
12	31.98	30.28	.	28.11	
13	32.29	.	.	13.31	
14	32.17	.	.	20.59	
15	30.89	.	.	24.36	
16	31.78	.	.	11.90	
17	32.38	.	.	12.43	
18	30.82	29.34	.	12.53	
19	30.64	24.73	.	25.33	
20	30.48	26.54	.	14.34	
21	29.96	27.96	.	18.58	
22	26.64	29.94	.	25.55	
23	29.85	23.38	.	26.14	
24	29.45	30.55	.	11.88	
25	29.88	17.52	.	23.78	
26	26.72	15.94	.	29.22	
27	30.64	16.81	.	11.62	
28	24.47	15.90	.	12.88	
29	5.87	31.68	.	11.87	
30	10.79	31.98	.	27.04	
31	20.46	30.11	.	18.15	
TT|Monthly Totals	879.88	.	.	591.91	
|Daily Means	28.38	.	.	19.09	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: FEBRUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15' S	
Longitude	70°19' W	68°54' W	70°26' W	70°46' W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	26.17	.	.	18.09	
2	24.11	.	.	29.05	
3	21.98	.	.	28.76	
4	23.70	.	.	27.63	
5	27.42	.	.	27.54	
6	27.15	.	.	28.69	
7	25.65	.	.	25.27	
8	25.25	.	.	31.35	
9	26.44	.	.	27.41	
10	26.40	.	.	29.35	
11	26.30	.	.	30.70	
12	26.37	.	.	31.18	
13	25.90	.	.	30.41	
14	24.09	.	.	28.12	
15	24.74	.	.	30.83	
16	26.14	.	.	30.49	
17	24.89	.	.	28.23	
18	26.03	.	.	30.30	
19	26.26	.	.	28.26	
20	20.24	.	.	26.64	
21	18.78	.	.	25.78	
22	23.03	.	.	16.76	
23	24.59	.	.	16.24	
24	25.20	.	.	21.18	
25	24.53	.	.	18.74	
26	24.44	.	.	28.69	
27	24.31	.	.	28.71	
28	24.12	.	.	20.43	
29					
30					
31					
TT|Monthly Totals	694.24	.	.	744.82	
|Daily Means	24.79	.	.	26.60	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: FEBRUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	20.00	26.18	.	17.01	
2	29.03	30.30	.	17.28	
3	30.34	24.45	.	20.11	
4	30.45	29.46	.	23.96	
5	27.27	29.91	.	29.25	
6	20.00	29.73	.	24.76	
7	19.59	29.05	.	26.67	
8	29.26	27.98	.	13.56	
9	28.90	28.85	.	20.97	
10	28.42	28.08	.	25.45	
11	16.69	15.91	.	17.85	
12	23.61	27.63	.	8.18	
13	19.50	20.79	.	12.55	
14	26.10	26.73	.	11.39	
15	22.49	27.42	.	11.05	
16	12.30	15.44	.	9.28	
17	25.42	14.80	.	6.66	
18	27.11	21.31	.	24.38	
19	27.39	20.52	.	8.67	
20	27.70	25.01	.	7.66	
21	27.52	9.81	.	7.78	
22	27.71	11.16	.	12.79	
23	27.20	17.26	.	15.03	
24	26.63	25.59	.	20.93	
25	26.65	20.06	.	14.16	
26	25.98	23.15	.	22.92	
27	25.84	7.99	.	22.85	
28	25.98	21.49	.	17.65	
29			.		
30			.		
31			.		
TT|Monthly Totals	705.07	636.04	.	470.80	
|Daily Means	25.18	22.72	.	16.81	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: MARCH		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15' S	
Longitude	70°19' W	68°54' W	70°26' W	70°46' W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	24.00	.	.	24.44	
2	23.90	.	.	21.82	
3	23.96	.	.	24.87	
4	23.55	.	.	19.56	
5	21.52	.	.	25.12	
6	23.93	.	.	25.23	
7	23.67	.	.	24.39	
8	18.87	.	.	16.45	
9	23.26	.	.	21.95	
10	22.98	.	.	28.01	
11	23.01	.	.	26.69	
12	22.83	.	.	8.82	
13	22.86	.	.	15.86	
14	21.92	.	.	9.27	
15	22.69	.	.	20.00	
16	21.28	.	.	26.62	
17	21.86	.	.	17.36	
18	15.42	.	.	21.85	
19	20.94	.	.	21.31	
20	22.62	.	.	25.64	
21	22.27	.	.	26.05	
22	21.91	.	.	25.73	
23	19.48	.	.	24.09	
24	21.89	.	.	22.28	
25	21.83	.	.	21.88	
26	20.62	.	.	21.64	
27	18.26	.	.	22.12	
28	21.13	.	.	19.09	
29	20.69	.	.	20.08	
30	18.27	.	.	16.59	
31	14.88	.	.	16.00	
TT|Monthly Totals	666.29	.	.	660.81	
|Daily Means	21.49	.	.	21.32	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: MARCH		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	17.33	14.57	.	15.63	
2	22.86	24.81	.	20.34	
3	23.79	24.62	.	21.89	
4	24.27	25.00	.	17.87	
5	23.88	24.64	.	10.13	
6	23.75	5.97	.	19.86	
7	24.17	18.52	.	17.27	
8	24.11	21.98	.	14.08	
9	23.97	20.19	.	11.20	
10	22.82	10.10	.	13.90	
11	18.02	7.18	.	9.94	
12	21.25	16.78	.	13.14	
13	23.00	16.81	.	19.27	
14	23.29	19.49	.	10.51	
15	12.15	9.45	.	18.36	
16	15.14	17.97	.	12.39	
17	10.85	19.67	.	5.90	
18	7.42	21.87	.	11.56	
19	15.85	11.12	.	4.93	
20	19.33	15.67	.	11.40	
21	20.77	20.58	.	11.49	
22	22.32	19.00	.	12.09	
23	21.43	6.89	.	7.07	
24	20.73	19.58	.	14.45	
25	19.52	14.30	.	10.04	
26	21.41	20.91	.	4.74	
27	21.59	19.53	.	5.77	
28	18.77	16.66	.	12.74	
29	19.95	12.37	.	3.18	
30	19.76	12.65	.	14.79	
31	19.35	4.49	.	14.31	
TT|Monthly Totals	622.85	513.35	.	390.23	
|Daily Means	20.09	16.56	.	12.59	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: APRIL		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15' S	
Longitude	70°19' W	68°54' W	70°26' W	70°46' W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	13.41	.	.	18.41	
2	20.20	.	.	19.26	
3	11.47	.	.	12.95	
4	18.31	.	.	20.58	
5	18.01	.	.	22.55	
6	20.11	.	.	22.76	
7	15.79	.	.	11.66	
8	9.90	.	.	13.75	
9	9.87	.	.	17.83	
10	11.70	.	.	19.64	
11	17.44	.	.	13.37	
12	17.62	.	.	19.14	
13	14.28	.	.	15.12	
14	14.99	.	.	13.94	
15	12.16	.	.	12.70	
16	17.78	.	.	6.39	
17	19.27	.	.	19.46	
18	17.06	.	.	17.85	
19	18.15	.	.	5.89	
20	18.68	.	.	17.17	
21	13.60	.	.	20.56	
22	12.46	.	.	13.06	
23	15.88	.	.	16.95	
24	15.14	.	.	19.73	
25	18.23	.	.	15.46	
26	18.19	.	.	11.66	
27	17.82	.	.	18.80	
28	16.33	.	.	18.85	
29	17.66	.	.	18.78	
30	15.12	.	.	18.33	
31					
TT|Monthly Totals	476.63	.	.	492.59	
|Daily Means	15.89	.	.	16.42	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: APRIL		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	15.70	4.81	.	11.19	
2	15.51	10.55	.	5.06	
3	19.45	17.63	.	11.85	
4	11.56	15.45	.	12.83	
5	13.89	6.97	.	11.74	
6	18.38	9.47	.	2.97	
7	18.53	7.23	.	8.71	
8	15.96	5.02	.	9.12	
9	18.12	9.41	.	7.22	
10	18.04	9.68	.	8.02	
11	19.05	4.15	.	8.02	
12	18.51	7.73	.	9.23	
13	18.33	14.09	.	2.85	
14	17.50	6.85	.	6.43	
15	16.93	13.72	.	8.14	
16	16.61	16.23	.	10.41	
17	14.87	6.06	.	5.37	
18	13.44	3.55	.	2.27	
19	16.21	1.59	.	6.00	
20	10.57	2.55	.	10.01	
21	16.20	11.16	.	9.52	
22	14.46	6.55	.	4.65	
23	2.32	5.52	.	3.34	
24	15.47	13.45	.	2.45	
25	15.33	8.10	.	5.52	
26	14.89	11.57	.	1.31	
27	14.20	2.94	.	3.08	
28	14.53	4.87	.	4.89	
29	14.36	8.75	.	3.24	
30	4.34	1.20	.	1.21	
31					
TT|Monthly Totals	453.26	246.85	.	196.63	
|Daily Means	15.11	8.23	.	6.55	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: MAY		Year: 2021			Country: CHILE
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15' S	
Longitude	70°19' W	68°54' W	70°26' W	70°46' W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	14.52	.	.	18.37	
2	17.25	.	.	18.42	
3	16.88	.	.	17.52	
4	15.24	.	.	17.97	
5	16.57	.	.	18.23	
6	7.55	.	.	14.75	
7	6.99	.	.	12.23	
8	10.52	.	.	16.52	
9	6.63	.	.	16.86	
10	16.10	.	.	11.90	
11	13.99	.	.	4.02	
12	13.55	.	.	4.75	
13	15.68	.	.	15.56	
14	15.78	.	.	15.19	
15	11.82	.	.	3.93	
16	10.31	.	.	7.38	
17	11.48	.	.	4.58	
18	9.87	.	.	5.14	
19	10.40	.	.	14.10	
20	12.25	.	.	13.84	
21	10.36	.	.	14.61	
22	9.17	.	.	15.08	
23	8.95	.	.	13.38	
24	11.74	.	.	11.47	
25	15.25	.	.	11.90	
26	13.70	.	.	13.65	
27	10.07	.	.	5.14	
28	12.12	.	.	11.83	
29	12.10	.	.	13.79	
30	11.20	.	.	11.30	
31	11.29	.	.	13.53	
TT|Monthly Totals	379.34	.	.	386.94	
|Daily Means	12.24	.	.	12.48	
SS|Monthly Totals					
|Daily Means					
Types of	PYRANOMETER	PYRANOMETER	PYRANOMETER	PYRANOMETER	
Instruments	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	PSP EPPLEY	

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

Month: MAY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	8.73	3.67	.	5.92	
2	7.93	9.13	.	3.59	
3	11.89	10.25	.	3.95	
4	8.19	12.84	.	3.92	
5	13.11	11.93	.	6.10	
6	13.70	12.02	.	1.78	
7	11.34	7.45	.	4.08	
8	7.16	3.72	.	3.59	
9	12.60	7.67	.	6.46	
10	13.14	11.69	.	5.33	
11	12.93	8.52	.	1.01	
12	12.98	3.86	.	3.09	
13	3.73	8.24	.	4.42	
14	10.48	5.63	.	4.69	
15	4.63	6.24	.	2.17	
16	7.40	7.69	.	1.46	
17	11.82	4.74	.	1.66	
18	2.10	5.21	.	0.88	
19	8.06	4.98	.	2.46	
20	4.20	4.27	.	1.20	
21	6.22	4.46	.	2.64	
22	12.27	5.12	.	2.51	
23	12.44	2.11	.	1.16	
24	11.89	1.62	.	2.03	
25	11.69	1.80	.	3.04	
26	11.46	1.62	.	3.66	
27	11.23	6.33	.	4.62	
28	10.83	4.94	.	3.66	
29	5.95	3.36	.	4.23	
30	10.66	2.22	.	2.47	
31	10.66	1.52	.	1.42	
TT|Monthly Totals	301.42	184.84	.	99.20	
|Daily Means	9.72	5.96	.	3.20	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: JUNE		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	18°21' S	22°29' S	23°26' S	27°15'S	
Longitude	70°19'W	68°54' W	70°26' W	70°46'W	
Elevation	58 m	2270 m	135 m	204 m	
Station	ARICA	CALAMA	ANTOFAGASTA	CALDERA	
Date					
1	9.85	.	.	7.26	
2	8.68	.	.	12.30	
3	8.47	.	.	12.34	
4	7.80	.	.	4.02	
5	11.58	.	.	9.21	
6	12.42	.	.	9.77	
7	11.09	.	.	12.83	
8	11.24	.	.	8.59	
9	14.14	.	.	12.85	
10	11.81	.	.	13.49	
11	14.75	.	.	15.06	
12	11.50	.	.	7.93	
13	13.71	.	.	9.04	
14	15.63	.	.	12.53	
15	9.77	.	.	4.18	
16	16.29	.	.	15.31	
17	12.65	.	.	15.23	
18	7.04	.	.	7.69	
19	11.19	.	.	15.69	
20	5.94	.	.	11.43	
21	5.80	.	.	15.67	
22	8.79	.	.	4.51	
23	12.00	.	.	4.69	
24	10.18	.	.	15.58	
25	6.53	.	.	12.61	
26	12.71	.	.	14.32	
27	12.83	.	.	.	
28	13.10	.	.	16.39	
29	14.53	.	.	15.53	
30	13.14	.	.	10.49	
31					
TT|Monthly Totals	335.17	.	.	.	
|Daily Means	11.17	.	.	11.26	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: JUNE		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	41°25' S	45°35' S	53°00' S	
Longitude	70°42' W	73°05' W	72°07' W	70°51' W	
Elevation	520 m	85 m	310 m	37 m	
Station					
Date	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	3.90	4.09	.	2.02	
2	9.89	2.10	.	4.37	
3	10.38	2.75	.	0.67	
4	5.65	3.10	.	1.95	
5	8.38	7.86	.	3.70	
6	7.87	5.16	.	1.37	
7	9.53	5.13	.	1.39	
8	10.67	3.07	.	2.31	
9	8.40	4.72	.	2.33	
10	9.24	4.47	.	1.02	
11	10.57	1.90	.	1.33	
12	10.65	1.25	.	3.02	
13	10.23	4.75	.	3.26	
14	9.70	8.55	.	3.73	
15	5.23	8.97	.	1.96	
16	9.64	8.29	.	3.77	
17	9.46	8.98	.	4.32	
18	8.76	9.00	.	0.98	
19	8.08	3.23	.	1.56	
20	4.66	5.56	.	0.94	
21	9.55	3.59	.	2.33	
22	8.53	1.00	.	1.01	
23	1.84	5.67	.	2.82	
24	5.03	3.78	.	0.90	
25	1.40	5.02	.	2.94	
26	7.51	6.33	.	2.82	
27	11.05	8.55	.	0.99	
28	11.23	9.26	.	2.95	
29	9.88	5.65	.	1.40	
30	5.44	.	.	3.76	
31					
TT|Monthly Totals	242.35	.	.	67.94	
|Daily Means	8.08	5.23	.	2.26	
SS|Monthly Totals					
|Daily Means					
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY	

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

Month: JANUARY		Year: 2021		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	5.8	11.3	.	5.9	
2	8.5	10.2	.	10.4	
3	7.6	12.3	.	11.8	
4	8.2	12.5	.	11.1	
5	11.2	12.3	.	11.2	
6	11.6	12.3	.	11.1	
7	9.5	12.5	.	9.7	
8	9.7	12.5	.	11.2	
9	11.7	10.5	.	11.0	
10	8.0	11.8	.	10.1	
11	6.0	12.3	.	11.0	
12	9.2	12.3	.	9.7	
13	7.7	12.2	.	11.2	
14	8.9	10.9	.	7.1	
15	7.1	9.6	.	11.5	
16	8.4	8.7	.	12.0	
17	11.2	11.6	.	12.0	
18	10.5	12.5	.	12.0	
19	11.7	12.5	.	11.9	
20	11.9	12.4	.	12.0	
21	11.6	12.3	.	11.3	
22	4.0	12.3	.	11.4	
23	10.9	11.8	.	10.4	
24	6.0	11.6	.	11.9	
25	9.2	11.7	.	12.2	
26	11.5	12.3	.	11.9	
27	8.7	12.4	.	11.3	
28	7.4	12.0	.	5.5	
29	11.9	12.3	.	10.7	
30	8.3	10.6	.	12.1	
31	6.1	12.3	.	11.2	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	280.0	364.8	.	333.8	
|Daily Means	9.0	11.8	.	10.8	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: JANUARY Year: 2021 Country: CHILE

Daily Totals				
Latitude	27°15'S	27°10' S	29°57' S	33°23' S
Longitude	70°46'W	109°26' W	71°22' W	70°47' W
Elevation	204 m	47 m	25 m	474 m
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL
Date				
1	6.8	.	.	13.3
2	6.7	.	.	11.9
3	5.5	.	.	13.1
4	5.4	.	.	13.4
5	9.6	.	.	13.4
6	9.8	.	.	13.4
7	9.8	.	.	13.4
8	8.7	.	.	13.5
9	7.2	.	.	12.4
10	7.7	.	.	13.5
11	10.7	.	.	13.5
12	9.2	.	.	13.5
13	8.9	.	.	13.5
14	7.0	.	.	13.5
15	6.1	.	.	13.4
16	10.1	.	.	13.3
17	11.7	.	.	13.3
18	8.5	.	.	13.3
19	8.8	.	.	13.3
20	10.0	.	.	13.2
21	9.3	.	.	13.2
22	11.0	.	.	13.2
23	11.2	.	.	13.1
24	.	.	.	12.9
25	12.9	.	.	12.8
26	8.5	.	.	12.7
27	10.8	.	.	13.0
28	.	.	.	7.8
29	6.1	.	.	0.0
30	8.2	.	.	2.9
31	8.2	.	.	8.0
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	.	.	.	374.7
|Daily Means	8.8	.	.	12.1
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES

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

Month: JANUARY Year: 2021 Country: CHILE

Daily Totals				
Latitude	33°27' S	33°37' S	33°39' S	34°58' S
Longitude	70°42' W	78°50' W	71°36' W	71°12' W
Elevation	520 m	30 m	74 m	225 m
Station	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO
Date				
1	.	7.4	7.0	.
2	.	7.7	4.2	.
3	.	2.8	9.4	.
4	.	9.9	9.7	.
5	.	9.3	7.6	.
6	.	9.7	5.4	.
7	.	5.6	7.6	.
8	.	5.7	3.0	.
9	.	7.1	10.9	.
10	.	3.9	11.9	.
11	.	5.4	12.5	.
12	.	4.6	12.6	.
13	.	8.8	7.3	.
14	.	11.5	11.0	.
15	.	9.0	12.8	.
16	.	8.3	12.7	.
17	.	9.4	13.5	.
18	.	10.8	1.4	.
19	.	8.7	3.1	.
20	.	7.7	1.5	.
21	.	8.5	3.3	.
22	.	6.8	0.8	.
23	.	11.4	6.5	.
24	.	4.7	0.0	.
25	.	5.6	5.3	.
26	.	2.0	9.7	.
27	.	8.3	10.5	.
28	.	9.0	12.1	.
29	.	0.0	1.1	.
30	.	2.7	.	.
31	.	3.1	.	.
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	.	215.4	.	.
|Daily Means	.	6.9	7.4	.
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES

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

Month: JANUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	13.0	13.3	10.2	
2	.	10.6	12.9	12.4	
3	.	12.7	9.5	10.5	
4	.	12.5	13.5	11.6	
5	.	12.5	13.0	12.5	
6	.	12.8	11.8	11.9	
7	.	13.1	10.7	12.1	
8	.	12.6	13.4	12.1	
9	.	12.8	8.7	5.0	
10	.	1.1	0.0	2.4	
11	.	12.5	13.7	11.8	
12	.	12.5	.	12.0	
13	.	12.8	13.0	11.4	
14	.	10.7	4.8	.	
15	.	11.3	9.2	8.5	
16	.	12.6	11.9	11.7	
17	.	12.6	13.2	10.6	
18	.	12.3	13.3	12.4	
19	.	11.1	12.7	12.3	
20	.	5.7	12.3	12.3	
21	.	11.8	11.3	12.3	
22	.	12.2	12.1	12.4	
23	.	10.6	12.5	11.4	
24	.	10.3	12.1	12.3	
25	.	12.6	12.2	11.2	
26	.	12.7	10.8	9.3	
27	.	12.0	2.9	2.3	
28	.	0.8	0.0	1.0	
29	.	0.0	3.3	10.4	
30	.	0.8	7.9	10.9	
31	.	10.5	4.2	8.6	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	322.1	.	.	
|Daily Means	.	10.4	10.0	10.2	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: JANUARY Year: 2021 Country: CHILE

Daily Totals				
Latitude	41°26' S	45°35' S	53°08' S	
Longitude	73°07' W	72°07' W	70°58' W	
Elevation	81 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	14.8	12.2	5.2	
2	13.8	4.3	0.0	
3	8.4	10.6	11.1	
4	11.0	12.1	4.0	
5	11.8	11.4	0.0	
6	10.7	2.9	0.7	
7	8.8	9.8	5.9	
8	7.2	5.5	0.0	
9	2.4	2.1	2.7	
10	2.7	2.8	2.2	
11	10.2	5.5	1.5	
12	11.6	8.3	10.6	
13	10.4	11.3	3.3	
14	2.2	7.1	8.9	
15	3.4	1.1	6.0	
16	7.3	10.7	2.5	
17	9.0	10.6	4.8	
18	11.3	2.5	4.9	
19	10.2	11.0	12.5	
20	11.3	6.2	5.1	
21	9.6	7.7	6.9	
22	9.8	7.2	12.4	
23	7.1	11.9	8.3	
24	10.9	10.9	4.9	
25	5.7	9.5	11.6	
26	5.2	6.0	12.9	
27	5.6	4.1	1.3	
28	3.1	5.8	2.1	
29	12.3	10.8	2.5	
30	12.9	11.7	10.0	
31	12.8	12.1	5.3	
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	273.5	245.7	170.1	
|Daily Means	8.8	7.9	5.5	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: FEBRUARY		Year: 2021		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	8.1	11.4	.	7.0	
2	7.5	10.6	.	11.6	
3	6.2	12.1	.	11.6	
4	7.1	11.9	.	11.5	
5	7.9	11.8	.	8.7	
6	10.6	12.1	.	9.6	
7	7.7	12.1	.	11.7	
8	9.6	12.1	.	11.5	
9	11.6	12.2	.	11.4	
10	11.5	12.1	.	9.7	
11	9.4	12.2	.	12.0	
12	11.4	12.2	.	11.5	
13	11.1	10.0	.	11.7	
14	11.2	12.0	.	11.5	
15	10.7	12.1	.	11.8	
16	11.4	12.0	.	11.8	
17	11.3	12.0	.	11.7	
18	10.9	11.9	.	11.6	
19	11.2	11.8	.	11.5	
20	5.4	11.9	.	11.6	
21	3.6	11.6	.	11.6	
22	7.1	11.9	.	11.3	
23	10.0	11.8	.	11.6	
24	11.2	11.9	.	11.2	
25	11.1	15.8	.	11.3	
26	10.9	11.8	.	11.4	
27	13.0	11.7	.	11.0	
28	11.2	11.7	.	11.2	
29					
30					
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	269.9	334.7	.	311.6	
|Daily Means	9.6	12.0	.	11.1	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: FEBRUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	27°15'S	27°10' S	29°57' S	33°23' S	
Longitude	70°46'W	109°26' W	71°22' W	70°47' W	
Elevation	204 m	47 m	25 m	474 m	
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL	
Date					
1	8.0	.	.	9.1	
2	8.8	.	.	10.2	
3	9.7	.	.	12.7	
4	9.1	.	.	12.7	
5	8.5	.	.	9.5	
6	9.7	.	.	6.8	
7	8.8	.	.	7.0	
8	12.8	.	.	12.5	
9	9.4	.	.	12.5	
10	9.5	.	.	12.5	
11	12.7	.	.	7.6	
12	11.4	.	.	8.1	
13	11.1	.	.	7.1	
14	9.0	.	.	8.9	
15	12.6	.	.	9.1	
16	12.6	.	.	5.1	
17	10.8	.	.	10.0	
18	12.4	.	.	12.4	
19	11.4	.	.	12.4	
20	8.9	.	.	12.4	
21	7.6	.	.	12.3	
22	4.4	.	.	12.2	
23	3.4	.	.	12.2	
24	6.9	.	.	12.2	
25	8.4	.	.	12.2	
26	12.2	.	.	12.1	
27	11.9	.	.	12.1	
28	6.9	.	.	12.0	
29					
30					
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	268.9	.	.	295.9	
|Daily Means	9.6	.	.	10.6	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: FEBRUARY Year: 2021 Country: CHILE

Daily Totals				
Latitude	33°27' S	33°37' S	33°39' S	34°58' S
Longitude	70°42' W	78°50' W	71°36' W	71°12' W
Elevation	520 m	30 m	74 m	225 m
Station	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO
Date				
1	.	5.1	0.0	.
2	.	7.1	1.5	.
3	.	8.6	6.8	.
4	.	5.5	0.0	.
5	.	5.9	0.0	.
6	.	4.2	0.0	.
7	.	3.4	5.8	.
8	.	9.2	8.2	.
9	.	5.9	0.0	.
10	.	10.8	0.5	.
11	.	9.0	0.0	.
12	.	7.0	0.0	.
13	.	2.9	0.0	.
14	.	5.0	1.3	.
15	.	5.6	2.6	.
16	.	6.5	3.5	.
17	.	7.7	7.6	.
18	.	8.3	12.5	.
19	.	2.7	11.8	.
20	.	0.8	11.4	.
21	.	3.0	11.1	.
22	.	8.1	12.0	.
23	.	3.0	11.6	.
24	.	7.3	3.8	.
25	.	10.7	0.0	.
26	.	0.4	0.0	.
27	.	9.5	0.0	.
28	.	7.5	10.7	.
29				
30				
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	.	170.7	122.7	.
|Daily Means	.	6.1	4.4	.
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES

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

Month: FEBRUARY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	9.8	7.4	11.2	
2	.	11.9	12.0	11.2	
3	.	10.0	12.4	12.1	
4	.	4.3	13.0	11.7	
5	.	0.0	12.5	11.9	
6	.	4.3	4.7	9.8	
7	.	0.0	4.4	11.5	
8	.	3.4	10.6	11.0	
9	.	8.2	11.0	11.9	
10	.	0.4	12.8	12.0	
11	.	0.8	2.8	6.6	
12	.	5.8	10.7	11.7	
13	.	11.9	7.0	11.7	
14	.	11.3	11.6	12.3	
15	.	12.0	11.9	13.5	
16	.	7.0	9.6	11.8	
17	.	10.3	10.4	9.7	
18	.	0.6	2.9	7.2	
19	.	12.2	11.9	11.0	
20	.	12.1	11.7	9.2	
21	.	11.9	9.4	4.5	
22	.	11.8	9.4	10.6	
23	.	12.1	11.6	9.3	
24	.	.	12.5	11.0	
25	.	.	11.5	11.0	
26	.	.	6.3	7.3	
27	.	.	9.3	9.9	
28	.	.	9.0	11.1	
29					
30					
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	270.3	293.7	
|Daily Means	.	.	9.7	10.5	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: FEBRUARY Year: 2021 Country: CHILE

Daily Totals				
Latitude	41°26' S	45°35' S	53°08' S	
Longitude	73°07' W	72°07' W	70°58' W	
Elevation	81 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	8.0	11.1	2.0	
2	11.8	11.7	3.9	
3	8.8	10.9	5.2	
4	12.8	11.8	10.1	
5	13.6	12.1	12.8	
6	13.3	10.0	9.8	
7	13.3	11.8	12.1	
8	12.3	11.9	2.6	
9	13.0	13.0	11.5	
10	14.2	11.7	12.2	
11	4.2	11.4	6.3	
12	11.5	11.6	0.9	
13	8.6	9.9	4.4	
14	9.8	10.9	2.6	
15	12.7	9.9	0.9	
16	5.1	10.0	1.3	
17	1.7	1.0	0.0	
18	6.3	7.8	12.1	
19	9.5	7.0	0.6	
20	11.0	7.6	0.0	
21	2.3	6.8	1.5	
22	1.6	10.3	4.5	
23	7.6	11.5	4.3	
24	10.3	11.2	10.0	
25	7.6	11.0	3.3	
26	9.0	10.8	12.7	
27	1.4	7.5	11.5	
28	8.9	3.2	7.6	
29				
30				
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	250.2	275.4	166.7	
|Daily Means	8.9	9.8	6.0	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MARCH		Year: 2021		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	10.8	11.7	.	11.3	
2	10.1	11.9	.	11.0	
3	9.5	11.8	.	10.5	
4	10.8	11.4	.	11.0	
5	6.4	11.7	.	11.0	
6	10.7	11.6	.	11.0	
7	10.9	11.6	.	11.1	
8	6.2	8.6	.	8.8	
9	10.9	14.6	.	11.1	
10	9.5	11.6	.	9.5	
11	10.6	11.6	.	10.7	
12	10.8	11.6	.	11.0	
13	10.9	11.1	.	10.9	
14	10.4	11.3	.	7.4	
15	9.9	11.5	.	11.1	
16	10.0	11.4	.	10.7	
17	9.5	11.3	.	10.7	
18	2.1	10.7	.	10.4	
19	9.9	8.4	.	9.4	
20	10.6	11.4	.	10.6	
21	10.4	11.3	.	10.6	
22	7.1	11.3	.	10.9	
23	8.9	11.1	.	10.7	
24	8.3	11.4	.	10.7	
25	0.0	11.3	.	10.8	
26	8.6	11.2	.	8.9	
27	8.5	10.3	.	9.0	
28	.	9.8	.	10.4	
29	.	10.6	.	10.7	
30	.	10.6	.	9.9	
31	2.6	0.0	.	9.0	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	335.7	.	320.8	
|Daily Means	8.7	10.8	.	10.3	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MARCH		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	27°15'S	27°10' S	29°57' S	33°23' S	
Longitude	70°46'W	109°26' W	71°22' W	70°47' W	
Elevation	204 m	47 m	25 m	474 m	
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL	
Date					
1	9.5	.	.	6.4	
2	8.1	.	.	12.0	
3	11.2	.	.	11.9	
4	6.3	.	.	11.9	
5	8.5	.	.	11.8	
6	10.2	.	.	11.6	
7	9.0	.	.	11.8	
8	4.9	.	.	11.8	
9	8.3	.	.	11.7	
10	12.0	.	.	11.5	
11	11.8	.	.	8.2	
12	0.0	.	.	10.7	
13	3.7	.	.	12.6	
14	1.6	.	.	11.5	
15	8.8	.	.	0.9	
16	11.6	.	.	4.8	
17	.	.	.	8.2	
18	8.6	.	.	4.0	
19	9.0	.	.	5.9	
20	11.8	.	.	8.4	
21	11.8	.	.	10.2	
22	11.3	.	.	11.5	
23	9.9	.	.	11.4	
24	7.9	.	.	11.3	
25	8.5	.	.	8.7	
26	8.2	.	.	11.3	
27	8.1	.	.	11.3	
28	7.7	.	.	11.2	
29	7.5	.	.	9.2	
30	6.5	.	.	11.0	
31	5.2	.	.	11.1	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	.	305.8	
|Daily Means	8.3	.	.	9.9	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MARCH		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	33°37' S	33°39' S	34°58' S	
Longitude	70°42' W	78°50' W	71°36' W	71°12' W	
Elevation	520 m	30 m	74 m	225 m	
Station					
Date	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	
1	.	6.8	2.2	.	
2	.	6.8	0.2	.	
3	.	6.8	0.0	.	
4	.	6.8	0.0	.	
5	.	7.0	3.4	.	
6	.	5.1	1.9	.	
7	.	3.1	0.0	.	
8	.	9.7	5.8	.	
9	.	4.2	1.9	.	
10	.	6.4	3.6	.	
11	.	5.3	0.0	.	
12	.	1.6	8.9	.	
13	.	2.2	4.6	.	
14	.	0.0	0.0	.	
15	.	0.1	0.9	.	
16	.	5.1	7.3	.	
17	.	7.0	5.2	.	
18	.	4.6	7.9	.	
19	.	2.2	6.2	.	
20	.	4.4	11.1	.	
21	.	7.1	9.1	.	
22	.	9.2	10.6	.	
23	.	3.3	5.5	.	
24	.	5.8	5.9	.	
25	.	6.2	9.9	.	
26	.	6.0	11.4	.	
27	.	2.8	11.2	.	
28	.	4.3	1.4	.	
29	.	0.7	2.9	.	
30	.	3.4	0.0	.	
31	.	7.6	0.0	.	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	151.6	139.0	.	
|Daily Means	.	4.9	4.5	.	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: MARCH		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	.	10.8	10.9	
2	.	.	8.7	9.9	
3	.	.	9.5	11.2	
4	.	.	9.2	11.0	
5	.	.	10.9	11.0	
6	.	.	10.1	6.4	
7	.	.	4.1	4.8	
8	.	.	10.3	10.6	
9	.	.	5.0	7.5	
10	.	.	0.8	3.4	
11	.	.	10.3	6.2	
12	.	.	11.3	10.7	
13	.	.	8.1	7.3	
14	.	.	8.1	10.7	
15	.	.	0.0	0.7	
16	.	.	4.5	7.7	
17	.	.	9.7	10.0	
18	.	.	10.6	10.8	
19	.	.	4.5	6.4	
20	.	.	6.5	6.9	
21	.	.	9.6	10.1	
22	.	.	6.2	12.0	
23	.	.	3.2	6.2	
24	.	.	9.7	10.5	
25	.	.	5.7	7.3	
26	.	.	9.2	12.6	
27	.	.	10.0	10.0	
28	.	.	9.6	10.0	
29	.	.	9.2	8.4	
30	.	.	1.3	7.0	
31	.	.	1.8	2.3	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	228.5	260.5	
|Daily Means	.	.	7.4	8.4	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: MARCH		Year: 2021		Country: CHILE
Daily Totals				
Latitude	41°26' S	45°35' S	53°08' S	
Longitude	73°07' W	72°07' W	70°58' W	
Elevation	81 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	3.3	7.7	7.6	
2	10.6	1.3	7.6	
3	12.2	7.7	12.0	
4	11.1	3.2	7.6	
5	11.7	10.9	1.6	
6	1.2	9.8	9.4	
7	6.1	5.9	7.2	
8	9.2	3.6	7.0	
9	10.8	4.4	4.6	
10	2.8	1.5	7.5	
11	0.5	3.2	3.7	
12	6.3	10.2	0.0	
13	6.3	9.5	10.1	
14	7.7	9.0	0.8	
15	2.3	8.6	9.8	
16	7.5	9.4	5.7	
17	10.5	8.8	0.3	
18	11.7	9.0	3.8	
19	2.3	1.7	2.3	
20	6.9	9.7	6.6	
21	10.8	8.9	3.1	
22	9.5	8.9	7.4	
23	1.7	5.7	2.0	
24	10.5	9.4	7.8	
25	6.5	10.0	4.8	
26	10.5	4.8	0.1	
27	9.0	4.6	1.3	
28	8.3	4.4	9.4	
29	5.3	9.6	0.0	
30	4.4	8.5	9.5	
31	0.0	0.0	9.0	
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	217.5	209.9	169.6	
|Daily Means	7.0	6.8	5.5	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: APRIL		Year: 2021		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	2.1	7.2	.	8.9	
2	3.9	11.1	.	10.5	
3	.	1.2	.	10.3	
4	4.2	5.0	.	10.7	
5	9.3	10.7	.	10.4	
6	10.1	8.9	.	9.0	
7	3.9	5.7	.	4.4	
8	3.3	4.5	.	8.7	
9	3.2	8.7	.	5.6	
10	4.2	10.2	.	8.0	
11	8.2	10.4	.	9.7	
12	0.0	10.4	.	8.8	
13	5.8	10.8	.	10.1	
14	.	10.8	.	8.1	
15	.	7.7	.	6.1	
16	.	5.8	.	6.5	
17	.	10.8	.	10.5	
18	.	10.7	.	8.8	
19	.	10.8	.	9.8	
20	.	10.7	.	10.6	
21	.	10.5	.	10.3	
22	.	8.8	.	10.4	
23	.	8.1	.	9.6	
24	.	6.6	.	10.1	
25	.	10.7	.	10.8	
26	.	10.5	.	10.5	
27	.	10.0	.	10.4	
28	.	10.4	.	10.6	
29	.	10.7	.	10.2	
30	.	10.5	.	10.0	
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	268.9	.	278.4	
|Daily Means	.	9.0	.	9.3	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: APRIL Year: 2021 Country: CHILE

Daily Totals				
Latitude	27°15'S	27°10' S	29°57' S	33°23' S
Longitude	70°46'W	109°26' W	71°22' W	70°47' W
Elevation	204 m	47 m	25 m	474 m
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL
Date				
1	7.4	.	.	7.0
2	9.7	.	.	9.7
3	4.8	.	.	11.0
4	8.6	.	.	6.6
5	11.4	.	.	7.0
6	11.3	.	.	10.9
7	4.0	.	.	10.7
8	5.3	.	.	9.9
9	7.6	.	.	10.8
10	7.8	.	.	10.2
11	4.5	.	.	10.8
12	7.8	.	.	10.6
13	5.2	.	.	10.6
14	5.2	.	.	10.5
15	4.9	.	.	10.6
16	0.3	.	.	10.0
17	7.2	.	.	7.8
18	5.8	.	.	6.8
19	0.0	.	.	10.4
20	8.9	.	.	5.9
21	10.9	.	.	10.4
22	4.1	.	.	9.1
23	8.0	.	.	0.0
24	10.9	.	.	10.2
25	6.5	.	.	10.2
26	5.6	.	.	10.2
27	10.8	.	.	8.7
28	10.7	.	.	12.1
29	10.8	.	.	9.9
30	10.7	.	.	2.6
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	216.7	.	.	271.2
|Daily Means	7.2	.	.	9.0
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES

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

Month: APRIL		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	33°37' S	33°39' S	34°58' S	
Longitude	70°42' W	78°50' W	71°36' W	71°12' W	
Elevation	520 m	30 m	74 m	225 m	
Station					
Date	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	
1	.	2.2	0.0	.	
2	.	6.3	0.0	.	
3	.	5.1	7.0	.	
4	.	5.3	0.0	.	
5	.	0.5	7.9	.	
6	.	5.6	9.9	.	
7	.	8.6	9.9	.	
8	.	7.4	9.8	.	
9	.	3.7	9.8	.	
10	.	8.3	9.6	.	
11	.	7.3	11.4	.	
12	.	8.6	11.5	.	
13	.	2.1	3.9	.	
14	.	6.8	0.0	.	
15	.	1.9	3.4	.	
16	.	0.0	0.0	.	
17	.	3.1	0.0	.	
18	.	0.0	4.1	.	
19	.	0.0	0.0	.	
20	.	0.0	2.2	.	
21	.	3.1	2.0	.	
22	.	7.5	0.0	.	
23	.	2.7	0.0	.	
24	.	7.5	8.2	.	
25	.	7.4	8.2	.	
26	.	5.0	0.2	.	
27	.	2.6	3.5	.	
28	.	7.4	1.7	.	
29	.	5.7	0.0	.	
30	.	0.9	6.2	.	
31	.			.	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	132.6	130.4	.	
|Daily Means	.	4.4	4.3	.	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: APRIL		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	.	1.9	2.5	
2	.	.	5.8	1.2	
3	.	.	10.9	9.2	
4	.	.	7.3	5.7	
5	.	.	0.0	0.0	
6	.	.	0.1	0.7	
7	.	.	7.3	5.5	
8	.	.	.	1.7	
9	.	.	2.9	.	
10	.	.	1.7	.	
11	.	.	7.8	.	
12	.	.	9.5	.	
13	.	.	8.5	.	
14	.	.	5.3	.	
15	.	.	5.7	.	
16	.	.	7.9	.	
17	.	.	6.9	.	
18	.	.	3.2	.	
19	.	.	1.7	.	
20	.	.	4.2	.	
21	.	.	0.2	.	
22	.	.	6.0	.	
23	.	.	3.3	.	
24	.	.	9.4	.	
25	.	.	6.1	.	
26	.	.	7.7	.	
27	.	.	3.8	.	
28	.	.	6.0	.	
29	.	.	2.5	.	
30	.	.	0.1	.	
31	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	
|Daily Means	.	.	5.0	.	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: APRIL Year: 2021 Country: CHILE

Daily Totals				
Latitude	41°26' S	45°35' S	53°08' S	
Longitude	73°07' W	72°07' W	70°58' W	
Elevation	81 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	0.5	0.9	5.4	
2	5.3	2.9	0.8	
3	9.8	5.2	7.6	
4	8.1	2.1	7.1	
5	0.9	2.2	8.7	
6	4.1	4.0	0.0	
7	2.9	3.4	3.8	
8	1.8	0.0	4.1	
9	5.8	5.6	4.1	
10	4.7	1.2	5.9	
11	0.3	0.8	3.4	
12	3.7	6.5	5.5	
13	9.6	2.9	0.2	
14	3.4	5.8	3.9	
15	6.1	1.2	5.4	
16	7.9	6.7	7.5	
17	0.2	1.8	1.4	
18	0.0	0.9	0.1	
19	0.0	1.6	4.8	
20	0.0	0.0	8.7	
21	5.3	4.2	8.4	
22	3.1	3.0	0.9	
23	1.8	4.0	0.2	
24	9.7	1.0	0.8	
25	0.0	5.3	2.0	
26	7.7	0.6	0.0	
27	0.5	1.4	0.0	
28	0.3	0.3	2.7	
29	6.7	2.3	0.0	
30	0.0	0.0	0.0	
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	110.2	77.8	103.4	
|Daily Means	3.7	2.6	3.4	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MAY		Year: 2021		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	.	10.6	.	10.1	
2	.	10.6	.	9.8	
3	.	9.8	.	8.2	
4	.	10.4	.	10.3	
5	.	10.2	.	9.8	
6	.	5.1	.	9.5	
7	.	2.5	.	5.3	
8	.	9.6	.	10.2	
9	.	9.6	.	9.9	
10	.	9.3	.	4.5	
11	.	5.9	.	7.2	
12	.	8.8	.	1.3	
13	.	11.2	.	9.8	
14	.	7.7	.	0.6	
15	.	7.7	.	0.6	
16	.	6.9	.	7.0	
17	.	6.1	.	5.1	
18	.	9.9	.	7.4	
19	.	10.3	.	9.0	
20	.	10.3	.	7.1	
21	.	7.8	.	8.1	
22	.	1.6	.	9.1	
23	.	1.7	.	7.3	
24	.	5.2	.	6.1	
25	.	9.0	.	5.9	
26	.	6.2	.	4.3	
27	.	3.5	.	4.5	
28	.	9.0	.	8.0	
29	.	8.5	.	7.6	
30	.	4.9	.	4.6	
31	.	6.5	.	6.3	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	236.4	.	214.5	
|Daily Means	.	7.6	.	6.9	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MAY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	27°15'S	27°10' S	29°57' S	33°23' S	
Longitude	70°46'W	109°26' W	71°22' W	70°47' W	
Elevation	204 m	47 m	25 m	474 m	
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL	
Date					
1	10.7	.	.	4.6	
2	10.7	.	.	4.5	
3	10.6	.	.	8.2	
4	10.8	.	.	5.4	
5	10.5	.	.	9.8	
6	7.0	.	.	9.5	
7	4.7	.	.	7.3	
8	9.5	.	.	2.4	
9	10.4	.	.	9.0	
10	5.3	.	.	9.5	
11	0.0	.	.	9.6	
12	1.3	.	.	9.6	
13	10.7	.	.	0.2	
14	8.7	.	.	8.0	
15	0.0	.	.	0.4	
16	2.5	.	.	5.6	
17	2.7	.	.	9.3	
18	0.0	.	.	0.0	
19	9.2	.	.	2.3	
20	9.3	.	.	2.3	
21	9.2	.	.	8.7	
22	10.2	.	.	9.3	
23	9.3	.	.	8.9	
24	6.5	.	.	9.3	
25	6.1	.	.	9.3	
26	.	.	.	9.3	
27	0.9	.	.	8.9	
28	6.1	.	.	10.1	
29	8.9	.	.	1.3	
30	6.6	.	.	8.5	
31	9.6	.	.	8.6	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	.	209.7	
|Daily Means	6.9	.	.	6.8	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MAY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	33°27' S	33°37' S	33°39' S	34°58' S	
Longitude	70°42' W	78°50' W	71°36' W	71°12' W	
Elevation	520 m	30 m	74 m	225 m	
Station					
Date	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	
1	.	0.0	1.1	.	
2	.	0.7	1.9	.	
3	.	5.6	3.0	.	
4	.	6.5	1.1	.	
5	.	4.9	8.2	.	
6	.	3.4	7.8	.	
7	.	3.2	0.6	.	
8	.	3.7	2.6	.	
9	.	4.7	7.3	.	
10	.	5.2	7.0	.	
11	.	7.7	7.6	.	
12	.	5.7	6.5	.	
13	.	1.1	2.4	.	
14	.	0.5	5.1	.	
15	.	6.9	3.2	.	
16	.	5.2	3.9	.	
17	.	5.7	0.4	.	
18	.	0.4	0.0	.	
19	.	7.0	0.9	.	
20	.	5.5	0.0	.	
21	.	4.1	7.0	.	
22	.	3.3	7.1	.	
23	.	4.2	6.3	.	
24	.	0.0	7.3	.	
25	.	3.0	5.7	.	
26	.	0.7	6.9	.	
27	.	0.1	4.8	.	
28	.	0.1	2.4	.	
29	.	3.3	4.5	.	
30	.	2.6	5.5	.	
31	2.7	1.6	6.0	.	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	106.6	134.1	.	
|Daily Means	.	3.4	4.3	.	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MAY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	.	0.0	.	
2	.	.	0.0	.	
3	.	.	5.3	.	
4	.	.	9.1	.	
5	.	.	8.0	.	
6	.	.	8.6	.	
7	.	.	1.6	.	
8	.	.	1.6	.	
9	.	.	9.0	.	
10	.	.	9.3	.	
11	.	.	7.9	3.4	
12	.	.	4.6	3.5	
13	.	.	5.3	3.2	
14	.	.	2.5	0.5	
15	.	.	0.6	2.2	
16	.	.	4.1	0.0	
17	.	.	0.1	0.0	
18	.	.	0.6	2.7	
19	.	.	1.2	2.1	
20	.	.	3.7	1.7	
21	.	.	1.5	0.0	
22	.	.	3.6	0.1	
23	.	.	0.0	2.0	
24	.	.	0.0	0.0	
25	.	.	0.2	0.0	
26	.	.	0.1	0.0	
27	.	.	3.9	4.9	
28	.	.	1.2	4.0	
29	.	.	0.8	0.5	
30	.	.	0.0	0.0	
31	.	.	0.0	0.0	
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	94.4	.	
|Daily Means	.	.	3.0	.	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: MAY		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	41°26' S	45°35' S	53°08' S		
Longitude	73°07' W	72°07' W	70°58' W		
Elevation	81 m	310 m	37 m		
Station					
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS		
1	0.7	4.4	5.7		
2	5.7	2.5	2.0		
3	7.8	5.6	3.7		
4	10.0	4.2	3.7		
5	8.5	0.9	4.9		
6	8.2	1.7	0.0		
7	4.6	3.2	1.2		
8	0.7	3.1	0.9		
9	6.3	4.9	5.8		
10	9.4	4.2	0.0		
11	4.6	0.1	0.0		
12	0.4	4.7	2.8		
13	3.7	4.3	5.9		
14	2.2	0.4	4.7		
15	4.9	0.3	0.0		
16	4.2	1.3	0.0		
17	1.7	2.9	0.0		
18	1.9	0.0	0.0		
19	1.6	0.0	0.6		
20	2.2	0.2	0.0		
21	1.5	0.0	2.4		
22	1.8	2.0	2.4		
23	0.0	0.0	0.0		
24	0.0	2.2	2.9		
25	0.0	0.5	6.9		
26	0.0	0.3	6.5		
27	4.7	0.8	6.1		
28	2.3	1.5	3.1		
29	0.8	0.0	5.3		
30	0.0	0.0	2.0		
31	0.0	1.0	0.0		
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	100.4	57.2	79.5		
|Daily Means	3.2	1.8	2.6		
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES		

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

Month: JUNE		Year: 2021		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	.	1.4	.	5.6	
2	.	7.0	.	6.7	
3	.	2.5	.	4.8	
4	.	0.6	.	6.6	
5	.	7.7	.	.	
6	.	9.8	.	.	
7	.	7.9	.	.	
8	.	5.2	.	.	
9	.	2.0	.	.	
10	.	7.1	.	.	
11	.	5.5	.	.	
12	.	7.1	.	6.8	
13	.	7.0	.	7.8	
14	.	10.1	.	8.1	
15	.	8.5	.	0.0	
16	.	10.1	.	8.8	
17	.	7.3	.	8.7	
18	.	6.0	.	6.3	
19	.	7.3	.	8.6	
20	.	0.8	.	1.3	
21	.	3.2	.	4.1	
22	.	0.0	.	0.0	
23	.	6.1	.	7.2	
24	.	6.1	.	9.2	
25	.	3.4	.	7.2	
26	.	7.2	.	7.9	
27	.	8.4	.	7.4	
28	.	8.6	.	7.7	
29	.	5.5	.	8.4	
30	.	7.8	.	7.1	
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	177.2	.	.	
|Daily Means	.	5.9	.	.	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: JUNE		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	27°15'S	27°10' S	29°57' S	33°23' S	
Longitude	70°46'W	109°26' W	71°22' W	70°47' W	
Elevation	204 m	47 m	25 m	474 m	
Station	CALDERA	ISLA DE PASCUA	LA SERENA	PUDAHUEL	
Date					
1	3.1	.	.	0.0	
2	.	.	.	8.8	
3	6.9	.	.	9.0	
4	0.0	.	.	1.3	
5	5.5	.	.	5.4	
6	4.7	.	.	4.5	
7	7.5	.	.	7.4	
8	3.1	.	.	9.0	
9	6.8	.	.	5.3	
10	6.6	.	.	6.4	
11	9.3	.	.	9.1	
12	1.6	.	.	9.1	
13	4.3	.	.	9.1	
14	6.1	.	.	8.9	
15	0.9	.	.	2.2	
16	9.7	.	.	7.1	
17	8.3	.	.	8.9	
18	2.3	.	.	8.6	
19	10.0	.	.	4.3	
20	5.5	.	.	1.8	
21	9.9	.	.	7.6	
22	0.2	.	.	7.8	
23	2.3	.	.	0.0	
24	10.0	.	.	0.7	
25	6.3	.	.	0.0	
26	8.1	.	.	7.6	
27	9.8	.	.	4.8	
28	10.1	.	.	9.1	
29	8.2	.	.	7.4	
30	4.4	.	.	2.4	
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	.	173.6	
|Daily Means	5.9	.	.	5.8	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: JUNE Year: 2021 Country: CHILE

Daily Totals				
Latitude	33°27' S	33°37' S	33°39' S	34°58' S
Longitude	70°42' W	78°50' W	71°36' W	71°12' W
Elevation	520 m	30 m	74 m	225 m
Station				
Date	QUINTA NORMAL	ROBINSON CRUSOE	SANTO DOMINGO	CURICO
1	0.1	2.3	2.9	.
2	7.2	3.6	5.3	.
3	7.2	1.1	5.2	.
4	0.6	1.0	0.0	.
5	3.2	1.4	2.5	.
6	3.8	1.9	2.8	.
7	5.4	0.0	5.6	.
8	7.5	0.0	6.2	.
9	4.2	6.0	0.0	.
10	5.7	6.7	6.0	.
11	7.3	4.4	6.7	.
12	7.5	0.1	2.2	.
13	7.5	0.0	0.0	.
14	6.9	2.6	0.0	.
15	2.7	0.6	1.8	.
16	5.3	0.1	4.8	.
17	7.4	0.4	0.0	.
18	6.3	1.8	0.0	.
19	5.0	1.2	4.1	.
20	0.5	1.2	5.8	.
21	5.4	0.0	4.1	.
22	4.9	0.0	2.0	.
23	0.0	5.8	0.0	.
24	0.1	0.0	0.2	.
25	0.0	2.3	0.7	.
26	4.1	2.1	6.5	.
27	7.0	1.9	6.0	.
28	7.1	5.6	5.9	.
29	5.1	1.0	2.0	.
30	0.0	7.0	0.4	.
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	135.0	62.1	89.7	.
|Daily Means	4.5	2.1	3.0	.
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES

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

Month: JUNE		Year: 2021		Country: CHILE	
Daily Totals					
Latitude	36°36' S	36°46' S	38°45' S	39°41' S	
Longitude	72°26' W	73°03' W	72°38' W	73°04' W	
Elevation	124 m	12 m	114 m	19 m	
Station	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA	
Date					
1	.	.	0.1	3.7	
2	.	.	0.3	0.1	
3	.	.	0.0	0.0	
4	.	.	2.3	5.0	
5	.	.	0.0	0.0	
6	.	.	0.0	0.0	
7	.	.	4.7	2.4	
8	.	.	0.0	0.0	
9	.	.	0.7	0.5	
10	.	.	4.0	1.7	
11	.	.	0.0	0.0	
12	.	.	0.0	.	
13	.	.	0.0	1.7	
14	.	.	8.3	7.6	
15	.	.	8.0	8.5	
16	.	.	3.2	1.3	
17	.	.	7.0	4.4	
18	.	.	5.5	3.8	
19	.	.	4.8	3.7	
20	.	.	1.2	0.3	
21	.	.	0.0	1.5	
22	.	.	0.0	0.0	
23	.	.	1.7	3.2	
24	.	.	0.0	2.1	
25	.	.	2.7	3.0	
26	.	.	2.5	0.0	
27	.	.	5.9	4.5	
28	.	.	7.0	2.9	
29	.	.	2.5	0.0	
30	.	.	0.0	0.0	
31					
TT|Monthly Totals					
|Daily Means					
SS|Monthly Totals	.	.	72.4	.	
|Daily Means	.	.	2.4	2.1	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: JUNE Year: 2021 Country: CHILE

Daily Totals				
Latitude	41°26' S	45°35' S	53°08' S	
Longitude	73°07' W	72°07' W	70°58' W	
Elevation	81 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	1.1	2.8	0.6	
2	0.0	0.0	4.5	
3	0.0	0.5	0.0	
4	1.8	1.6	0.0	
5	5.0	2.4	4.0	
6	3.4	0.0	0.0	
7	3.4	0.1	0.6	
8	0.6	0.0	3.3	
9	2.2	0.0	1.7	
10	2.8	0.0	0.0	
11	0.0	0.0	0.0	
12	0.0	0.9	2.5	
13	4.0	1.1	6.3	
14	8.5	2.6	6.3	
15	8.6	0.4	2.5	
16	8.3	0.3	6.4	
17	7.6	0.0	5.3	
18	8.6	0.0	0.0	
19	0.1	1.1	1.1	
20	5.1	0.8	0.0	
21	2.1	0.1	1.4	
22	0.0	0.0	0.0	
23	3.2	2.0	1.8	
24	1.6	0.0	0.0	
25	6.7	0.8	4.0	
26	7.5	2.1	0.0	
27	8.6	0.0	0.0	
28	8.6	0.6	4.6	
29	2.4	0.1	0.0	
30	0.2	0.0	6.4	
31				
TT|Monthly Totals				
|Daily Means				
SS|Monthly Totals	112.0	20.3	63.3	
|Daily Means	3.7	0.7	2.1	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	