

Informe

Solarimétrico

II Semestre 2020

Oficina de Servicios Climatológicos

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

Month: JULY		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	7.04	.	15.12	3.99
2	13.02	.	15.22	9.44
3	11.80	.	15.45	10.07
4	8.44	.	12.01	0.80
5	12.20	.	15.25	9.08
6	10.82	.	12.69	6.53
7	12.03	.	15.48	6.43
8	9.87	.	15.87	7.30
9	10.97	.	16.00	9.03
10	9.83	.	15.05	4.54
11	12.16	.	15.41	7.67
12	11.70	.	16.17	8.66
13	15.30	.	15.46	10.88
14	15.35	.	16.44	11.34
15	12.10	.	16.61	11.55
16	12.97	.	16.82	2.57
17	8.29	.	14.77	4.95
18	9.95	.	16.38	3.40
19	9.73	.	13.85	9.39
20	10.26	.	16.00	10.25
21	7.13	.	16.38	1.65
22	7.42	.	16.84	12.38
23	7.66	.	16.95	10.30
24	8.85	.	17.25	12.68
25	11.08	.	17.20	4.34
26	12.88	.	16.47	3.63
27	10.64	.	17.41	5.89
28	11.41	.	17.97	12.30
29	15.16	.	18.15	12.89
30	16.06	.	18.60	10.50
31	15.71	.	.	7.98
TT Monthly Totals	347.82	.	.	242.38
Daily Means	11.22	.	15.98	7.82
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: JULY		Year: 2020		Country: CHILE
Daily Totals				
Latitude	41°25' S	45°35' S	53°00' S	
Longitude	73°05' W	72°07' W	70°51' W	
Elevation	85 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	4.81	.	1.91	
2	1.84	.	0.95	
3	1.91	.	1.50	
4	3.87	.	2.78	
5	4.76	.	4.26	
6	8.92	.	2.77	
7	1.32	.	1.22	
8	7.38	.	1.56	
9	7.77	.	2.55	
10	3.17	.	1.78	
11	1.89	.	2.42	
12	2.75	.	4.47	
13	1.61	.	1.10	
14	2.42	.	2.50	
15	2.73	.	1.83	
16	5.98	.	4.50	
17	2.06	.	1.64	
18	8.86	.	4.41	
19	10.21	.	2.63	
20	4.24	.	3.87	
21	1.90	.	7.99	
22	5.35	.	5.32	
23	7.35	.	1.53	
24	7.53	.	5.43	
25	9.88	.	5.77	
26	3.15	.	4.72	
27	2.44	.	6.30	
28	.	.	5.95	
29	2.53	.	2.58	
30	9.52	.	5.75	
31	2.66	.	2.79	
TT Monthly Totals	.	.	104.79	
Daily Means	4.69	.	3.38	
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: AUGUST		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	12.25	.	17.70	7.44
2	11.86	.	18.34	13.46
3	10.53	.	18.76	12.54
4	10.61	.	16.61	12.62
5	12.65	.	18.93	11.16
6	14.33	.	17.79	12.75
7	12.77	.	18.09	13.45
8	15.31	.	17.61	11.12
9	15.75	.	18.29	10.79
10	10.78	.	16.78	11.93
11	11.00	.	10.45	14.38
12	10.54	.	13.52	13.77
13	13.42	.	20.30	13.27
14	11.24	.	19.78	9.16
15	11.20	.	20.74	14.15
16	10.22	.	19.83	14.66
17	7.43	.	17.04	15.13
18	11.77	.	16.41	9.22
19	12.44	.	21.03	11.82
20	13.79	.	21.20	15.62
21	11.61	.	21.90	15.99
22	16.83	.	19.67	16.43
23	13.03	.	16.63	12.39
24	16.47	.	20.93	15.97
25	16.70	.	21.63	11.75
26	14.02	.	22.24	18.29
27	13.43	.	22.44	17.40
28	13.21	.	22.70	7.12
29	7.44	.	23.09	17.78
30	9.05	.	21.02	18.14
31	13.80	.	7.14	17.80
TT Monthly Totals	385.48	.	578.62	417.47
Daily Means	12.43	.	18.67	13.47
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: AUGUST		Year: 2020		Country: CHILE	
Daily Totals					
Latitude	41°25' S	45°35' S	53°00' S		
Longitude	73°05' W	72°07' W	70°51' W		
Elevation	85 m	310 m	37 m		
Station					
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS		
1	2.53	.	2.72		
2	9.52	.	6.22		
3	2.66	.	6.29		
4	9.57	.	2.87		
5	5.59	.	1.15		
6	9.85	.	4.88		
7	7.83	.	7.33		
8	1.96	.	6.47		
9	1.60	.	3.37		
10	7.76	.	6.01		
11	6.24	.	5.08		
12	2.86	.	7.45		
13	3.02	.	8.23		
14	6.16	.	2.68		
15	4.72	.	3.04		
16	7.75	.	8.62		
17	4.27	.	5.11		
18	7.92	.	9.01		
19	14.11	.	7.38		
20	11.46	.	8.38		
21	8.11	.	6.38		
22	11.82	.	5.82		
23	3.48	.	7.91		
24	2.37	.	10.04		
25	7.78	.	5.50		
26	5.95	.	4.13		
27	3.89	.	9.05		
28	12.59	.	9.40		
29	12.87	.	3.51		
30	8.32	.	6.68		
31	15.02	.	10.37		
TT Monthly Totals	219.56	.	191.08		
Daily Means	7.08	.	6.16		
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: SEPTEMBER		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	11.93	.	11.14	6.08
2	10.34	.	23.72	18.21
3	12.41	.	22.94	18.48
4	12.52	.	22.10	15.85
5	12.91	.	23.61	18.21
6	11.61	.	24.03	19.16
7	10.34	.	21.69	18.65
8	15.92	.	20.28	3.37
9	15.49	.	24.16	19.36
10	11.83	.	23.77	19.94
11	15.50	.	20.20	20.17
12	15.58	.	20.69	20.44
13	15.73	.	21.07	21.15
14	14.91	.	19.89	21.48
15	19.11	.	21.27	19.69
16	13.19	.	24.32	21.05
17	16.79	.	25.11	20.99
18	12.87	.	21.93	21.30
19	19.87	.	22.10	22.24
20	19.16	.	22.60	22.11
21	18.37	.	25.00	22.29
22	14.54	.	26.24	21.73
23	19.94	.	20.08	17.28
24	14.07	.	20.62	17.83
25	21.08	.	24.09	3.81
26	16.37	.	23.94	22.99
27	16.40	.	24.59	23.78
28	20.58	.	21.31	21.24
29	18.32	.	23.18	17.30
30	17.12	.	27.79	23.31
31				
TT Monthly Totals	464.80	.	673.46	559.49
Daily Means	15.80	.	22.45	18.65
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: SEPTEMBER		Year: 2020		Country: CHILE	
Daily Totals					
Latitude	41°25' S	45°35' S	53°00' S		
Longitude	73°05' W	72°07' W	70°51' W		
Elevation	85 m	310 m	37 m		
Station	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS		
Date					
1	16.46	.	7.81		
2	6.05	.	5.35		
3	10.57	.	9.51		
4	13.83	.	9.09		
5	15.32	.	9.31		
6	17.31	.	6.98		
7	8.78	.	6.53		
8	15.75	.	9.52		
9	9.92	.	8.90		
10	10.30	.	7.19		
11	13.46	.	8.80		
12	11.53	.	6.95		
13	16.11	.	8.92		
14	17.81	.	11.30		
15	7.77	.	14.94		
16	6.24	.	2.44		
17	7.86	.	13.21		
18	15.10	.	14.49		
19	21.39	.	15.76		
20	20.42	.	14.43		
21	13.94	.	5.67		
22	10.39	.	10.26		
23	18.30	.	13.99		
24	17.71	.	12.44		
25	19.00	.	14.30		
26	7.13	.	17.63		
27	6.15	.	6.32		
28	8.55	.	11.95		
29	5.36	.	10.57		
30	12.44	.	12.16		
31					
TT Monthly Totals	380.93	.	306.72		
Daily Means	12.70	.	10.22		
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: OCTOBER		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	18.70	.	.	.
2	15.12	.	.	.
3	21.63	.	.	.
4	14.30	.	.	.
5	13.56	.	.	.
6	.	.	.	.
7	.	.	.	.
8	.	.	.	.
9	.	.	.	.
10	16.70	.	.	.
11	20.86	.	.	.
12	16.34	.	.	.
13	20.71	.	.	.
14	14.22	.	.	.
15	18.37	.	.	.
16	17.60	.	.	.
17	20.52	.	.	.
18	17.74	.	.	.
19	12.34	.	.	.
20	15.44	.	.	.
21	17.15	.	.	.
22	18.55	.	.	.
23	19.72	.	.	.
24	17.57	.	.	.
25	16.81	.	.	.
26	16.89	.	.	.
27	23.44	.	.	.
28	21.24	.	.	.
29	20.87	.	.	.
30	20.05	.	.	.
31	25.01	.	.	.
TT Monthly Totals	.	.	.	.
Daily Means	18.20	.	.	.
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: OCTOBER		Year: 2020		Country: CHILE	
Daily Totals					
Latitude	41°25' S	45°35' S	53°00' S		
Longitude	73°05' W	72°07' W	70°51' W		
Elevation	85 m	310 m	37 m		
Station	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS		
Date					
1	11.94	.	19.39		
2	20.28	.	16.47		
3	18.43	.	13.74		
4	15.68	.	12.65		
5	10.50	.	15.23		
6	.	.	.		
7	.	.	.		
8	.	.	.		
9	.	.	.		
10	10.35	.	14.44		
11	26.26	.	22.33		
12	18.73	.	6.61		
13	11.05	.	12.08		
14	26.20	.	13.05		
15	26.20	.	22.33		
16	20.97	.	6.85		
17	7.56	.	5.22		
18	11.28	.	17.65		
19	10.99	.	19.21		
20	26.39	.	16.31		
21	26.62	.	6.73		
22	28.27	.	12.20		
23	11.23	.	11.87		
24	12.75	.	3.50		
25	18.16	.	17.31		
26	5.88	.	22.13		
27	12.34	.	17.38		
28	14.38	.	18.15		
29	28.53	.	24.08		
30	26.15	.	13.30		
31	25.14	.	9.48		
TT Monthly Totals	.	.	.		
Daily Means	17.86	.	14.43		
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: NOVEMBER		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	21.51	.	.	.
2	20.19	.	.	.
3	19.78	.	.	.
4	24.72	.	.	.
5	24.67	.	.	.
6	20.98	.	.	.
7	22.82	.	.	.
8	21.33	.	.	.
9	16.84	.	.	.
10	18.17	.	.	.
11	24.94	.	.	.
12	20.98	.	.	.
13	24.79	.	.	.
14	19.62	.	.	.
15	18.17	.	.	.
16	23.26	.	.	.
17	25.22	.	.	.
18	23.91	.	.	.
19	24.06	.	.	.
20	25.25	.	.	.
21	25.23	.	.	.
22	21.59	.	.	.
23	21.42	.	.	.
24	23.15	.	.	.
25	17.72	.	.	.
26	19.65	.	.	.
27	25.07	.	.	.
28	25.04	.	.	.
29	18.12	.	.	.
30	18.10	.	.	.
31				
TT Monthly Totals	656.29	.	.	.
Daily Means	21.88	.	.	.
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: NOVEMBER		Year: 2020		Country: CHILE
Daily Totals				
Latitude	41°25' S	45°35' S	53°00' S	
Longitude	73°05' W	72°07' W	70°51' W	
Elevation	85 m	310 m	37 m	
Station				
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS	
1	27.59	.	15.91	
2	8.38	.	20.38	
3	19.65	.	14.00	
4	19.36	.	5.95	
5	12.14	.	16.67	
6	25.61	.	27.51	
7	25.53	.	13.19	
8	26.71	.	20.09	
9	23.82	.	7.78	
10	22.63	.	26.74	
11	13.38	.	12.73	
12	16.31	.	13.38	
13	11.67	.	20.78	
14	18.32	.	18.93	
15	29.05	.	31.68	
16	20.71	.	30.39	
17	25.35	.	29.52	
18	32.02	.	21.89	
19	27.60	.	19.82	
20	11.38	.	16.48	
21	8.86	.	14.67	
22	19.92	.	17.22	
23	8.70	.	27.83	
24	13.45	.	19.14	
25	31.16	.	20.37	
26	24.05	.	20.00	
27	4.89	.	20.20	
28	7.78	.	24.24	
29	18.51	.	17.78	
30	30.97	.	29.32	
31				
TT Monthly Totals	585.50	.	594.61	
Daily Means	19.52	.	19.82	
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: DECEMBER		Year: 2020		Country: CHILE
Daily Totals				
Latitude	18°21' S	22°29' S	27°21' S	33°27' S
Longitude	70°19'W	68°54' W	70°21' W	70°42' W
Elevation	58 m	2270 m	362 m	520 m
Station	ARICA	CALAMA	COPIAPO	QUINTA NORMAL
Date				
1	22.32	.	.	.
2	24.63	.	.	.
3	18.93	.	.	.
4	23.74	.	.	.
5	24.44	.	.	.
6	23.23	.	.	.
7	23.98	.	.	.
8	23.25	.	.	.
9	25.46	.	.	.
10	25.37	.	.	.
11	24.56	.	.	.
12	24.76	.	.	.
13	24.77	.	.	.
14	20.92	.	.	.
15	19.62	.	.	.
16	21.69	.	.	.
17	23.91	.	.	.
18	22.70	.	.	.
19	23.27	.	.	.
20	22.56	.	.	.
21	24.30	.	.	.
22	21.11	.	.	.
23	22.04	.	.	.
24	25.19	.	.	.
25	24.12	.	.	.
26	23.51	.	.	.
27	16.94	.	.	.
28	10.48	.	.	.
29	16.85	.	.	.
30	25.87	.	.	.
31	23.91	.	.	.
TT Monthly Totals	698.41	.	.	.
Daily Means	22.53	.	.	.
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: DECEMBER		Year: 2020		Country: CHILE	
Daily Totals					
Latitude	41°25' S	45°35' S	53°00' S		
Longitude	73°05' W	72°07' W	70°51' W		
Elevation	85 m	310 m	37 m		
Station					
Date	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS		
1	13.46	.	33.14		
2	18.97	.	27.96		
3	25.34	.	26.48		
4	31.88	.	27.09		
5	30.24	.	11.35		
6	30.14	.	16.73		
7	26.40	.	18.93		
8	22.84	.	5.17		
9	21.23	.	20.89		
10	13.21	.	27.11		
11	4.86	.	14.99		
12	10.88	.	.		
13	12.56	.	28.10		
14	10.14	.	27.14		
15	22.35	.	28.26		
16	31.08	.	19.09		
17	32.42	.	28.18		
18	24.29	.	13.64		
19	8.88	.	17.43		
20	12.25	.	18.15		
21	25.11	.	21.17		
22	16.68	.	24.11		
23	22.17	.	21.84		
24	6.16	.	.		
25	17.52	.	23.63		
26	25.37	.	22.14		
27	11.37	.	28.33		
28	11.79	.	26.08		
29	14.26	.	.		
30	14.11	.	13.06		
31	20.47	.	21.45		
TT Monthly Totals	588.43	.	.		
Daily Means	18.98	.	21.84		
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: JULY		Year: 2020		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	3.7	5.3	.	7.7
2	5.9	4.0	.	9.1
3	5.5	4.1	.	5.8
4	3.0	7.6	.	7.7
5	6.1	7.3	.	8.5
6	3.9	2.6	.	4.0
7	5.7	8.6	.	8.8
8	4.2	6.8	.	9.3
9	4.3	3.1	.	7.8
10	5.1	2.9	.	8.3
11	5.2	6.8	.	7.6
12	6.1	5.4	.	5.8
13	.	10.0	.	9.1
14	6.1	10.1	.	7.8
15	5.0	9.4	.	8.9
16	5.1	7.6	.	7.2
17	3.3	3.3	.	1.3
18	4.0	3.9	.	5.2
19	4.6	4.5	.	5.4
20	1.0	7.2	.	3.9
21	0.0	6.5	.	4.1
22	3.1	0.0	.	4.3
23	3.6	1.4	.	7.7
24	4.2	10.0	.	9.6
25	5.2	10.2	.	9.8
26	5.3	4.3	.	8.5
27	3.4	4.0	.	7.9
28	4.8	8.3	.	7.8
29	5.4	8.3	.	8.5
30	7.7	10.1	.	5.2
31	6.8	7.7	.	9.2
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	191.3	.	221.8
Daily Means	4.6	6.2	.	7.2
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: JULY		Year: 2020		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	9.4	0.0	.	2.6
2	.	.	.	7.1
3	6.4	0.0	.	8.2
4	.	0.4	.	0.1
5	9.1	.	.	7.5
6	0.2	3.1	.	3.3
7	9.3	1.4	.	3.6
8	9.4	1.7	.	5.4
9	9.3	2.6	.	7.9
10	8.5	3.1	.	1.4
11	3.6	2.2	.	6.3
12	5.9	1.0	.	6.2
13	6.2	2.6	.	9.0
14	5.7	2.4	.	9.3
15	6.2	23.0	.	9.3
16	7.5	0.4	.	0.0
17	2.1	1.8	.	1.8
18	5.1	2.2	.	0.5
19	5.4	1.9	.	5.4
20	8.6	3.4	.	8.9
21	9.3	2.8	.	0.0
22	7.0	2.8	.	3.9
23	9.6	0.0	.	8.6
24	9.4	0.0	.	9.4
25	9.4	0.2	.	2.8
26	8.5	0.0	.	0.4
27	7.0	2.7	.	2.8
28	9.6	2.8	.	9.6
29	6.2	3.1	.	10.7
30	8.2	0.1	.	7.1
31	9.8	0.4	.	4.1
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	.	.	163.2
Daily Means	7.3	2.3	.	5.3
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: JULY		Year: 2020		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	.	6.3	4.0	.
2	.	6.8	5.8	.
3	.	2.7	4.6	.
4	.	1.3	0.0	.
5	.	2.1	2.0	.
6	.	0.3	0.6	.
7	.	4.3	3.6	.
8	.	4.6	4.2	.
9	.	4.8	5.0	.
10	.	2.7	5.2	.
11	.	0.2	0.0	.
12	.	2.6	7.3	.
13	.	1.8	6.5	.
14	.	2.9	6.5	.
15	.	1.2	4.5	.
16	.	0.0	0.0	.
17	.	3.9	0.0	.
18	.	3.8	0.0	.
19	.	6.3	4.9	.
20	.	4.5	5.9	.
21	.	4.5	2.2	.
22	.	2.5	7.5	.
23	.	5.9	6.1	.
24	.	1.6	6.9	.
25	.	3.0	4.6	.
26	.	5.4	1.5	.
27	.	6.7	6.3	.
28	.	7.2	7.9	.
29	.	6.4	7.4	.
30	.	1.9	2.6	.
31	.	1.1	0.6	.
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	109.3	124.2	.
Daily Means	.	3.5	4.0	.
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: JULY		Year: 2020		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	1.7	.
2	.	6.6	0.0	.
3	.	0.0	0.0	.
4	.	5.2	1.8	0.0
5	.	6.2	2.9	0.0
6	.	6.3	4.9	3.3
7	.	0.2	.	0.0
8	.	6.2	0.0	1.1
9	.	0.0	0.0	0.0
10	.	6.9	3.4	5.6
11	.	0.5	0.0	0.0
12	.	0.0	0.0	0.0
13	.	8.4	6.6	1.5
14	.	9.0	3.7	0.0
15	.	5.4	4.0	0.0
16	.	0.0	0.0	0.0
17	.	1.1	1.7	1.5
18	.	0.6	0.0	0.0
19	.	3.7	5.2	1.2
20	.	6.0	0.0	0.0
21	.	0.2	1.0	0.0
22	.	4.4	1.3	1.5
23	.	7.8	8.1	7.3
24	.	2.7	0.0	1.7
25	.	0.0	.	0.0
26	.	2.2	3.2	5.1
27	.	8.6	3.8	3.5
28	.	8.6	5.8	5.4
29	.	8.0	2.2	0.0
30	.	0.2	0.7	1.1
31	.	1.5	1.0	0.5
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	116.5	.	.
Daily Means	.	3.8	2.2	1.4
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: JULY

Year: 2020

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	0.0	0.0	1.2	
2	0.0	0.9	0.0	
3	0.0	3.3	0.0	
4	0.3	1.0	0.5	
5	1.6	0.0	4.2	
6	8.6	0.0	0.0	
7	0.0	0.0	2.2	
8	0.0	2.7	0.8	
9	0.0	0.0	2.2	
10	3.0	1.6	0.0	
11	3.3	2.1	0.3	
12	5.9	2.5	6.1	
13	7.2	3.4	0.0	
14	0.0	1.9	0.0	
15	0.0	0.1	0.2	
16	1.1	0.0	3.8	
17	0.3	0.0	0.0	
18	0.0	0.0	0.0	
19	0.7	0.0	0.0	
20	4.7	0.0	2.3	
21	0.0	0.0	5.0	
22	7.8	0.0	0.0	
23	8.3	0.0	0.0	
24	0.3	0.0	6.3	
25	0.0	0.8	.	
26	3.5	3.2	14.0	
27	4.2	4.6	7.1	
28	4.1	4.8	7.6	
29	4.1	3.2	.	
30	4.1	0.0	6.0	
31	0.1	0.0	1.1	
TT Monthly Totals				
Daily Means				
SS Monthly Totals	73.2	36.1	.	
Daily Means	2.4	1.2	2.4	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	

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

Month: AUGUST		Year: 2020		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	5.3	0.2	.	9.4
2	4.9	7.8	.	6.5
3	3.2	4.3	.	6.7
4	5.0	4.5	.	7.8
5	4.0	7.8	.	5.8
6	6.1	5.7	.	8.6
7	5.0	7.1	.	8.4
8	7.1	10.5	.	9.4
9	5.0	8.8	.	7.7
10	2.4	3.8	.	7.2
11	5.6	7.8	.	8.4
12	4.3	6.9	.	6.4
13	5.6	7.2	.	5.6
14	4.2	7.8	.	7.9
15	5.0	9.4	.	8.6
16	4.7	8.9	.	8.2
17	0.5	3.6	.	9.3
18	4.3	8.7	.	8.0
19	4.3	8.0	.	10.1
20	4.7	10.7	.	10.2
21	4.7	8.1	.	8.5
22	7.0	6.2	.	7.1
23	2.2	2.4	.	4.6
24	2.9	2.9	.	5.2
25	5.6	8.0	.	10.4
26	4.7	7.7	.	10.0
27	4.8	8.5	.	7.4
28	1.7	7.5	.	0.9
29	0.0	6.6	.	5.7
30	0.1	4.4	.	0.8
31	1.8	2.7	.	0.7
TT Monthly Totals				
Daily Means				
SS Monthly Totals	126.7	204.5	.	221.5
Daily Means	4.1	6.6	.	7.1
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: AUGUST		Year: 2020		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	8.4	2.0	.	3.8
2	9.4	0.4	.	9.7
3	5.1	1.8	.	9.6
4	0.0	3.2	.	9.1
5	8.8	2.9	.	8.0
6	7.0	0.4	.	8.3
7	4.6	0.1	.	9.9
8	3.5	2.9	.	9.6
9	5.4	2.6	.	6.9
10	0.0	4.4	.	7.4
11	2.0	4.4	.	10.1
12	1.5	3.0	.	10.1
13	2.8	5.4	.	10.1
14	9.1	5.3	.	6.5
15	6.1	1.1	.	10.1
16	7.3	0.0	.	10.2
17	2.4	3.4	.	10.2
18	4.8	3.6	.	6.0
19	9.1	1.8	.	8.8
20	8.4	3.9	.	10.3
21	9.6	2.6	.	10.3
22	5.2	4.0	.	10.3
23	5.3	3.2	.	6.6
24	9.2	1.9	.	9.0
25	10.0	3.0	.	5.5
26	10.2	3.7	.	10.3
27	7.1	3.9	.	10.5
28	10.5	4.6	.	2.2
29	10.3	5.1	.	10.6
30	7.5	5.3	.	8.6
31	0.0	5.5	.	10.7
TT Monthly Totals				
Daily Means				
SS Monthly Totals	190.6	95.4	.	269.3
Daily Means	6.1	3.1	.	8.7
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: AUGUST		Year: 2020		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	.	4.4	3.9	.
2	.	5.1	6.6	.
3	.	0.9	1.0	.
4	.	5.2	0.8	.
5	.	5.9	0.5	.
6	.	2.6	7.3	.
7	.	7.8	0.0	.
8	.	1.9	6.0	.
9	.	4.8	5.6	.
10	.	2.1	5.4	.
11	.	2.1	8.7	.
12	.	0.2	8.1	.
13	.	2.9	8.2	.
14	.	7.1	6.7	.
15	.	1.7	9.2	.
16	.	5.4	9.2	.
17	.	2.6	8.6	.
18	.	2.7	0.0	.
19	.	4.9	8.7	.
20	.	5.0	9.2	.
21	.	5.0	8.5	.
22	.	8.6	0.0	.
23	.	0.7	3.7	.
24	.	1.4	3.3	.
25	.	0.0	0.3	.
26	.	6.1	8.6	.
27	.	5.7	7.8	.
28	.	4.9	4.5	.
29	.	6.4	10.1	.
30	.	6.9	9.9	.
31	.	1.1	7.2	.
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	122.1	177.6	.
Daily Means	.	3.9	5.7	.
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: AUGUST		Year: 2020		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	.	0.9	1.1	0.0
2	.	4.0	5.5	.
3	.	2.9	1.9	.
4	.	0.3	0.3	0.3
5	.	7.8	4.6	4.6
6	.	8.2	7.6	1.9
7	.	7.9	4.5	0.8
8	.	4.7	1.0	0.0
9	.	0.6	1.6	1.9
10	.	8.1	6.3	7.8
11	.	9.3	4.2	3.0
12	.	9.4	0.0	0.2
13	.	0.4	0.0	0.0
14	.	9.3	4.2	4.6
15	.	10.5	6.9	6.7
16	.	8.0	0.8	4.3
17	.	9.9	0.0	0.0
18	.	8.0	5.5	5.5
19	.	9.5	9.3	7.7
20	.	10.3	10.1	10.4
21	.	10.0	9.9	6.5
22	.	9.4	6.7	7.0
23	.	0.1	0.0	0.0
24	.	1.0	2.9	0.0
25	.	5.8	2.0	2.6
26	.	5.0	0.2	0.5
27	.	4.9	0.8	0.7
28	.	0.0	0.0	2.8
29	.	9.7	7.5	4.7
30	.	10.2	11.1	6.2
31	.	10.0	10.5	10.0
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	196.1	.	.
Daily Means	.	6.3	.	3.5
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: AUGUST		Year: 2020		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	1.3	0.0	
2	5.1	2.6	.	
3	5.1	1.6	6.5	
4	6.0	5.8	0.0	
5	3.5	2.0	0.0	
6	7.7	3.0	1.7	
7	4.7	2.3	6.6	
8	0.0	5.0	5.8	
9	0.0	2.2	5.8	
10	6.2	4.4	.	
11	0.8	2.8	2.8	
12	0.0	0.0	6.4	
13	0.1	0.0	9.2	
14	3.5	0.5	.	
15	1.3	0.9	.	
16	4.3	5.0	7.0	
17	0.3	1.6	1.7	
18	0.7	7.0	.	
19	9.6	5.6	6.4	
20	6.3	7.0	4.9	
21	3.6	7.4	5.0	
22	5.9	0.9	.	
23	6.0	0.0	.	
24	0.0	0.0	7.7	
25	2.2	0.3	3.5	
26	1.1	4.6	.	
27	0.0	0.4	.	
28	6.2	4.6	.	
29	6.3	5.2	0.0	
30	3.0	7.5	.	
31	9.8	5.4	9.0	
TT Monthly Totals				
Daily Means				
SS Monthly Totals	110.4	96.9	.	
Daily Means	3.6	3.1	4.5	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	

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

Month: SEPTEMBER		Year: 2020		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	1.0	5.9	.	8.2
2	0.0	11.0	.	10.2
3	5.0	9.8	.	8.4
4	5.5	9.1	.	8.3
5	3.9	8.3	.	6.7
6	5.0	5.4	.	8.0
7	2.4	5.4	.	8.0
8	5.6	10.8	.	9.3
9	6.2	10.0	.	8.3
10	5.4	8.0	.	4.4
11	5.6	6.4	.	5.5
12	6.4	7.1	.	8.0
13	6.0	10.0	.	5.2
14	3.6	3.5	.	5.4
15	5.4	10.3	.	6.4
16	1.1	6.4	.	5.4
17	4.0	9.8	.	7.3
18	1.6	7.5	.	8.4
19	9.1	10.4	.	9.1
20	6.9	9.8	.	8.5
21	7.4	11.1	.	7.1
22	5.2	9.8	.	6.5
23	8.8	8.8	.	6.0
24	4.5	10.4	.	9.3
25	3.4	8.6	.	3.0
26	5.5	9.3	.	0.1
27	5.9	10.8	.	5.8
28	10.0	10.0	.	7.0
29	6.5	9.1	.	6.4
30	4.5	1.3	.	2.6
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	151.4	254.1	.	202.8
Daily Means	5.0	8.5	.	6.8
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: SEPTEMBER		Year: 2020		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	3.4	4.6	.	3.7
2	10.5	3.7	.	10.7
3	8.0	4.1	.	10.3
4	6.0	3.7	.	8.6
5	8.8	0.2	.	9.2
6	7.4	2.8	.	10.2
7	7.6	6.3	.	10.0
8	6.9	6.1	.	0.0
9	10.5	3.9	.	11.1
10	1.2	1.2	.	11.1
11	1.9	2.9	.	11.0
12	0.0	1.8	.	11.1
13	4.8	0.6	.	11.2
14	0.0	3.2	.	11.3
15	5.5	5.2	.	8.9
16	6.1	3.4	.	10.7
17	9.5	3.9	.	11.3
18	6.6	5.4	.	11.4
19	6.4	2.7	.	11.4
20	7.8	0.7	.	11.4
21	8.2	3.3	.	9.6
22	7.2	3.7	.	11.4
23	0.0	4.8	.	11.2
24	3.9	1.2	.	10.5
25	7.9	4.2	.	0.0
26	2.7	3.3	.	9.9
27	8.2	2.3	.	11.5
28	1.6	5.2	.	11.3
29	7.5	6.2	.	6.6
30	8.0	5.5	.	11.1
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	174.1	106.1	.	287.7
Daily Means	5.8	3.5	.	9.6
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: SEPTEMBER		Year: 2020		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	.	2.4	3.4	.
2	.	6.1	10.1	.
3	.	0.5	9.7	.
4	.	5.7	5.2	.
5	.	8.7	7.0	.
6	.	5.8	9.1	.
7	.	2.5	2.6	.
8	.	3.3	0.0	.
9	.	4.6	10.0	.
10	.	6.3	9.1	.
11	.	5.5	11.1	.
12	.	4.7	10.5	.
13	.	1.3	10.3	.
14	.	6.7	10.4	.
15	.	8.0	0.0	.
16	.	6.3	9.3	.
17	.	8.8	11.2	.
18	.	1.3	10.1	.
19	.	9.2	10.6	.
20	.	9.6	0.0	.
21	.	9.6	1.4	.
22	.	3.2	5.5	.
23	.	5.4	7.9	.
24	.	1.7	0.0	.
25	.	4.1	0.0	.
26	.	2.8	10.1	.
27	.	3.5	10.2	.
28	.	1.1	8.9	.
29	.	5.9	5.1	.
30	.	7.8	6.0	.
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	152.4	204.8	.
Daily Means	.	5.1	6.8	.
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: SEPTEMBER		Year: 2020		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	.	1.2	8.0	7.7
2	.	7.6	0.2	1.0
3	.	4.5	4.9	5.4
4	.	4.9	1.6	0.6
5	.	8.4	2.0	4.5
6	.	10.1	7.5	6.7
7	.	2.9	4.7	3.6
8	.	0.0	0.0	1.1
9	.	5.0	3.2	3.5
10	.	6.9	3.5	4.4
11	.	11.0	4.6	4.7
12	.	9.3	3.8	6.1
13	.	10.3	7.0	7.2
14	.	10.6	10.0	11.0
15	.	2.9	0.5	1.5
16	.	8.5	1.5	3.4
17	.	7.5	0.6	1.5
18	.	10.6	6.7	6.9
19	.	11.3	11.4	10.4
20	.	10.9	11.3	8.5
21	.	6.5	5.5	7.3
22	.	10.7	10.2	5.5
23	.	10.7	7.1	6.9
24	.	11.1	8.1	5.8
25	.	0.0	3.0	3.2
26	.	0.1	3.5	4.4
27	.	11.8	3.2	1.3
28	.	8.2	2.2	2.3
29	.	0.9	0.8	1.5
30	.	10.1	8.9	8.2
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	214.5	145.5	146.1
Daily Means	.	7.2	4.9	4.9
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: SEPTEMBER		Year: 2020		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	10.0	7.1	3.0	
2	1.0	3.8	1.4	
3	5.3	6.6	6.4	
4	9.2	7.8	3.2	
5	10.6	4.8	11.5	
6	10.4	3.3	.	
7	3.2	5.6	0.7	
8	6.3	4.0	4.3	
9	3.9	4.3	.	
10	3.8	1.8	1.0	
11	3.5	1.2	5.0	
12	6.1	6.4	.	
13	5.3	8.1	5.4	
14	10.8	1.7	7.2	
15	3.2	9.3	.	
16	0.4	1.6	.	
17	0.6	4.4	9.4	
18	6.7	6.8	9.6	
19	11.1	6.7	.	
20	10.4	8.2	.	
21	8.2	5.9	0.0	
22	3.7	8.7	6.3	
23	10.3	9.6	7.2	
24	7.3	9.6	5.8	
25	8.4	9.4	6.3	
26	5.1	9.3	0.0	
27	0.3	4.3	0.5	
28	2.3	4.4	6.5	
29	0.0	5.9	3.6	
30	6.9	5.4	5.7	
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	174.3	176.0	.	
Daily Means	5.8	5.9	4.8	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	

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

Month: OCTOBER		Year: 2020		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	7.7	6.8	.	2.5
2	3.5	5.9	.	0.1
3	7.3	9.5	.	1.0
4	3.2	9.6	.	2.1
5	0.2	3.9	.	3.2
6	7.7	3.0	.	6.0
7	8.7	12.0	.	4.2
8	9.7	11.7	.	7.2
9	7.2	7.5	.	9.1
10	6.2	0.3	.	4.7
11	7.6	8.7	.	8.6
12	5.4	8.5	.	10.9
13	5.3	9.0	.	8.4
14	1.3	6.7	.	9.8
15	6.1	8.7	.	8.7
16	4.6	10.7	.	9.1
17	6.6	8.2	.	5.4
18	4.6	7.9	.	0.0
19	5.4	2.2	.	1.0
20	3.8	2.5	.	5.7
21	2.0	7.4	.	2.7
22	4.1	0.2	.	1.4
23	7.8	5.0	.	4.2
24	6.5	0.0	.	2.0
25	5.6	6.7	.	6.0
26	6.2	4.2	.	8.0
27	8.8	10.9	.	6.8
28	8.1	9.3	.	9.7
29	7.0	9.8	.	8.7
30	6.6	10.6	.	10.0
31	9.5	10.8	.	9.5
TT Monthly Totals				
Daily Means				
SS Monthly Totals	184.3	218.2	.	176.7
Daily Means	5.9	7.0	.	5.7
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: OCTOBER		Year: 2020		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	7.0	5.2	.	9.8
2	5.7	3.4	.	11.7
3	8.1	4.2	.	11.8
4	9.4	6.3	.	11.8
5	6.5	5.6	.	11.5
6	.	6.6	.	9.9
7	6.2	6.2	.	11.8
8	7.8	3.3	.	12.0
9	8.5	5.5	.	12.0
10	7.6	4.3	.	12.0
11	5.2	1.4	.	12.0
12	7.2	2.8	.	11.1
13	0.0	5.0	.	11.0
14	8.2	7.2	.	10.0
15	4.3	5.5	.	12.0
16	7.4	5.4	.	10.4
17	4.4	5.2	.	12.2
18	1.9	4.9	.	12.3
19	7.0	3.7	.	12.1
20	7.4	0.5	.	12.3
21	4.2	6.6	.	12.3
22	5.1	2.0	.	12.4
23	1.0	6.8	.	12.3
24	0.0	3.5	.	12.0
25	8.3	6.3	.	10.9
26	6.5	7.5	.	12.5
27	2.5	5.7	.	1.1
28	7.7	0.9	.	11.6
29	5.1	4.0	.	12.5
30	8.7	0.7	.	12.6
31	5.7	2.5	.	12.6
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	138.7	.	352.5
Daily Means	5.8	4.5	.	11.4
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: OCTOBER		Year: 2020		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	.	6.4	10.1	.
2	.	1.6	10.0	.
3	.	7.0	10.2	.
4	.	4.3	10.7	.
5	.	0.1	10.8	.
6	.	3.7	10.7	.
7	.	2.5	10.6	.
8	.	6.1	10.2	.
9	.	8.7	11.9	.
10	.	10.3	10.3	.
11	.	10.4	11.8	.
12	.	9.6	9.8	.
13	.	7.0	0.0	.
14	.	6.8	4.3	.
15	.	10.5	1.7	.
16	.	10.6	0.0	.
17	.	6.6	0.0	.
18	.	7.4	6.5	.
19	.	4.2	9.6	.
20	.	8.2	11.5	.
21	.	8.8	0.0	.
22	.	10.8	0.8	.
23	.	7.0	0.5	.
24	.	7.6	10.1	.
25	.	8.0	7.0	.
26	.	4.8	11.4	.
27	.	9.5	1.6	.
28	.	2.7	12.1	.
29	.	8.3	12.0	.
30	.	10.5	6.1	.
31	.	10.1	0.0	.
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	220.1	222.3	.
Daily Means	.	7.1	7.2	.
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: OCTOBER		Year: 2020		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	.	11.5	7.4	4.8
2	.	11.4	6.2	6.4
3	.	11.4	6.9	7.1
4	.	10.8	7.6	10.8
5	.	11.7	9.4	5.1
6	.	11.5	5.7	6.4
7	.	10.4	7.6	5.0
8	.	10.4	0.4	0.7
9	.	11.4	8.0	6.2
10	.	11.7	8.3	9.1
11	.	11.5	11.6	11.5
12	.	10.9	10.4	10.7
13	.	11.1	8.0	8.9
14	.	11.0	11.8	10.5
15	.	10.1	10.3	10.5
16	.	0.0	9.3	11.2
17	.	1.4	2.1	1.8
18	.	11.7	9.7	4.1
19	.	10.3	9.0	9.8
20	.	11.5	10.8	12.5
21	.	11.6	11.9	11.3
22	.	11.6	9.3	12.5
23	.	10.2	7.1	4.9
24	.	1.1	2.2	2.5
25	.	11.5	8.7	9.5
26	.	6.7	0.0	0.0
27	.	8.3	3.6	4.0
28	.	10.2	6.2	6.6
29	.	12.1	12.6	12.2
30	.	12.2	12.7	8.7
31	.	1.4	11.1	11.9
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	298.6	245.9	237.2
Daily Means	.	9.6	7.9	7.7
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: OCTOBER		Year: 2020		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	2.5	3.3	5.4	
2	8.4	10.3	0.0	
3	7.0	10.4	4.9	
4	5.4	8.5	3.2	
5	2.1	4.7	8.1	
6	1.5	3.9	11.1	
7	1.4	2.3	0.0	
8	0.0	5.2	6.6	
9	4.3	2.9	7.0	
10	4.9	8.2	4.5	
11	11.9	3.4	10.9	
12	10.1	1.0	0.0	
13	3.0	6.6	4.6	
14	11.7	10.7	6.0	
15	9.9	11.5	11.0	
16	7.8	11.2	0.2	
17	1.7	6.1	0.0	
18	2.5	2.3	7.9	
19	6.0	9.0	11.2	
20	9.1	11.0	5.8	
21	11.8	11.3	0.0	
22	12.0	11.7	0.0	
23	3.1	3.8	1.4	
24	3.4	7.0	1.4	
25	6.2	8.9	6.8	
26	0.0	7.6	10.4	
27	4.3	1.7	0.0	
28	4.3	10.4	7.2	
29	9.9	12.3	9.5	
30	9.5	11.5	3.2	
31	9.6	12.0	0.0	
TT Monthly Totals				
Daily Means				
SS Monthly Totals	185.3	230.7	148.3	
Daily Means	6.0	7.4	4.8	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	

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

Month: NOVEMBER		Year: 2020		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	4.7	11.1	.	7.9
2	6.6	11.1	.	8.5
3	4.4	3.6	.	3.9
4	10.3	12.1	.	10.8
5	11.1	12.2	.	10.8
6	7.1	8.9	.	11.3
7	6.8	11.3	.	8.2
8	7.7	12.3	.	11.0
9	4.9	7.5	.	7.9
10	6.7	.	.	6.8
11	11.5	12.4	.	10.6
12	8.0	12.0	.	9.3
13	11.4	12.4	.	9.7
14	6.5	11.4	.	9.4
15	6.6	9.6	.	9.5
16	7.4	12.4	.	7.0
17	11.0	12.4	.	10.4
18	10.9	12.4	.	11.8
19	9.6	10.9	.	10.5
20	12.3	12.3	.	10.5
21	10.8	11.8	.	10.3
22	8.0	9.6	.	9.4
23	8.8	11.4	.	10.7
24	7.1	7.4	.	1.0
25	6.3	3.3	.	10.4
26	7.4	8.0	.	6.1
27	11.8	12.5	.	10.4
28	11.5	12.3	.	11.8
29	6.6	8.9	.	10.0
30	5.8	5.5	.	10.2
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	249.6	.	.	276.1
Daily Means	8.3	10.3	.	9.2
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: NOVEMBER		Year: 2020		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	8.2	1.4	.	11.0
2	8.8	0.7	.	11.7
3	2.6	7.9	.	12.5
4	0.5	7.2	.	11.5
5	8.8	4.8	.	12.7
6	6.7	6.5	.	12.7
7	5.2	3.0	.	12.9
8	8.7	4.7	.	12.7
9	0.2	0.5	.	12.4
10	0.0	1.3	.	13.0
11	3.0	0.7	.	10.2
12	3.2	5.8	.	12.2
13	3.3	7.1	.	5.6
14	8.4	5.0	.	10.3
15	4.9	4.7	.	13.1
16	0.0	2.3	.	13.1
17	7.9	4.2	.	6.3
18	11.8	5.2	.	13.0
19	8.0	5.9	.	9.2
20	10.4	4.7	.	6.2
21	12.8	6.9	.	13.3
22	7.7	5.5	.	12.3
23	5.7	7.9	.	13.3
24	8.4	3.2	.	13.4
25	9.4	2.7	.	13.4
26	6.0	6.9	.	13.5
27	9.8	6.8	.	13.4
28	8.8	5.9	.	13.2
29	8.6	7.1	.	13.5
30	7.4	6.8	.	13.5
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	195.2	143.3	.	355.1
Daily Means	6.5	4.8	.	11.8
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: NOVEMBER		Year: 2020		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	.	10.6	1.5	.
2	.	1.0	0.0	.
3	.	9.0	1.8	.
4	.	8.5	6.3	.
5	.	4.2	12.0	.
6	.	0.1	10.2	.
7	.	10.2	8.4	.
8	.	9.3	4.4	.
9	.	5.0	2.4	.
10	.	9.0	0.0	.
11	.	3.8	0.0	.
12	.	0.0	0.1	.
13	.	4.5	2.4	.
14	.	1.5	8.6	.
15	.	0.2	12.4	.
16	.	2.8	4.0	.
17	.	3.0	4.4	.
18	.	0.7	7.8	.
19	.	5.9	0.0	.
20	.	3.6	8.8	.
21	.	6.5	12.1	.
22	.	11.1	12.1	.
23	.	6.2	12.4	.
24	.	10.9	11.9	.
25	.	3.6	12.4	.
26	.	9.5	14.1	.
27	.	2.0	10.5	.
28	.	7.4	11.1	.
29	.	0.0	12.6	.
30	.	6.3	12.5	.
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	156.4	217.2	.
Daily Means	.	5.2	7.2	.
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: NOVEMBER		Year: 2020		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	7.0	11.5
2	.	0.0	0.0	0.3
3	.	0.2	3.4	3.5
4	.	10.5	10.9	9.6
5	.	12.2	9.0	9.3
6	.	12.7	12.8	11.1
7	.	12.5	11.3	11.6
8	.	12.4	7.0	9.5
9	.	12.3	8.2	9.9
10	.	12.0	11.5	8.8
11	.	0.7	0.0	0.3
12	.	10.5	8.8	6.2
13	.	8.4	1.3	3.6
14	.	12.3	6.6	9.3
15	.	12.8	12.7	11.9
16	.	12.4	11.9	9.5
17	.	7.4	12.3	8.0
18	.	10.5	8.6	9.6
19	.	0.5	0.4	6.6
20	.	3.3	0.3	0.0
21	.	11.0	2.3	1.0
22	.	12.5	5.4	0.0
23	.	12.4	7.6	1.4
24	.	8.6	2.4	2.5
25	.	12.8	6.4	12.1
26	.	12.8	13.0	10.0
27	.	12.9	5.0	1.7
28	.	9.5	0.0	0.0
29	.	12.1	13.3	12.4
30	.	12.3	13.3	11.8
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	280.5	212.7	203.0
Daily Means	.	9.4	7.1	6.8
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: NOVEMBER		Year: 2020		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	12.9	10.0	4.0	
2	0.0	1.8	7.9	
3	6.5	10.6	2.4	
4	6.7	7.5	0.0	
5	2.3	6.0	4.9	
6	10.7	12.7	12.3	
7	9.0	11.7	3.8	
8	10.8	12.0	0.0	
9	8.2	12.0	0.0	
10	7.0	12.2	12.1	
11	3.0	8.0	6.0	
12	6.4	5.3	0.0	
13	2.9	3.9	4.6	
14	5.4	10.5	6.7	
15	11.9	3.7	13.9	
16	8.8	12.3	13.5	
17	9.4	12.9	10.3	
18	13.6	11.8	7.3	
19	12.2	12.0	5.1	
20	0.3	9.1	0.0	
21	0.4	3.5	0.2	
22	2.9	2.7	6.7	
23	1.3	2.3	10.0	
24	3.5	7.3	0.0	
25	9.2	7.4	7.2	
26	9.4	2.1	4.3	
27	0.0	3.7	7.6	
28	0.5	9.1	0.0	
29	7.8	10.5	5.0	
30	11.4	9.1	10.8	
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	194.4	243.7	166.6	
Daily Means	6.5	8.1	5.6	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	

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

Month: DECEMBER		Year: 2020		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	9.3	8.7	.	10.8
2	11.6	11.3	.	11.1
3	6.7	8.3	.	6.6
4	7.7	12.3	.	9.5
5	11.7	12.5	.	11.8
6	8.8	12.6	.	6.0
7	11.4	12.1	.	8.9
8	8.1	11.4	.	9.8
9	11.9	12.6	.	9.5
10	10.7	12.6	.	0.9
11	7.5	8.6	.	9.5
12	11.8	11.7	.	10.9
13	11.5	12.4	.	9.1
14	8.0	12.4	.	11.0
15	6.5	7.3	.	10.7
16	6.9	10.2	.	7.2
17	10.9	11.4	.	8.2
18	8.2	11.0	.	6.9
19	7.5	11.8	.	8.1
20	8.5	12.4	.	8.3
21	7.2	12.4	.	8.1
22	6.1	12.0	.	8.4
23	7.1	12.4	.	10.7
24	8.6	12.1	.	7.0
25	7.7	10.3	.	4.2
26	6.5	12.2	.	8.3
27	0.0	11.3	.	9.0
28	0.0	8.3	.	9.8
29	1.1	5.9	.	12.1
30	5.8	12.1	.	11.0
31	5.6	10.1	.	9.5
TT Monthly Totals				
Daily Means				
SS Monthly Totals	240.9	342.7	.	272.9
Daily Means	7.8	11.1	.	8.8
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: DECEMBER		Year: 2020		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	4.4	4.7	.	11.7
2	6.2	7.7	.	13.4
3	0.3	6.9	.	13.4
4	6.9	5.9	.	13.4
5	10.0	7.7	.	13.4
6	5.9	3.5	.	13.5
7	3.1	3.3	.	13.5
8	3.0	3.1	.	13.4
9	2.5	6.6	.	13.4
10	4.5	0.3	.	13.4
11	8.0	6.5	.	13.5
12	6.7	6.9	.	13.5
13	7.7	5.9	.	13.5
14	0.2	3.4	.	13.5
15	4.0	7.6	.	13.4
16	3.9	6.6	.	13.4
17	3.8	6.6	.	13.3
18	2.4	6.9	.	8.8
19	8.0	5.5	.	12.1
20	7.2	.	.	13.5
21	7.0	2.6	.	13.5
22	6.8	3.2	.	13.5
23	8.0	5.4	.	13.4
24	8.4	5.5	.	13.5
25	9.3	7.4	.	13.5
26	9.4	8.0	.	13.3
27	11.0	7.2	.	13.0
28	12.3	5.7	.	13.4
29	12.5	6.1	.	13.3
30	11.6	0.4	.	13.4
31	8.0	6.2	.	13.1
TT Monthly Totals				
Daily Means				
SS Monthly Totals	203.0	.	.	407.9
Daily Means	6.5	5.4	.	13.2
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: DECEMBER		Year: 2020		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	.	0.9	0.0	.
2	.	6.4	10.5	.
3	.	10.1	12.8	.
4	.	11.0	12.5	.
5	.	11.2	4.5	.
6	.	11.4	0.0	.
7	.	10.4	0.0	.
8	.	7.3	11.0	.
9	.	9.8	12.8	.
10	.	7.4	7.7	.
11	.	6.7	12.6	.
12	.	6.8	12.8	.
13	.	6.9	13.9	.
14	.	7.4	11.8	.
15	.	6.2	12.0	.
16	.	1.9	12.7	.
17	.	3.2	0.0	.
18	.	6.1	8.4	.
19	.	0.9	10.8	.
20	.	0.3	12.5	.
21	.	3.4	13.3	.
22	.	3.2	0.4	.
23	.	7.6	7.0	.
24	.	7.2	8.4	.
25	.	11.7	10.3	.
26	.	7.7	1.7	.
27	.	2.7	6.0	.
28	.	11.7	1.1	.
29	.	5.8	4.5	.
30	.	7.9	13.1	.
31	.	3.6	11.1	.
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	204.8	256.2	.
Daily Means	.	6.6	8.3	.
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: DECEMBER		Year: 2020		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				
Date	CHILLAN	CONCEPCION	TEMUCO	VALDIVIA
1	.	12.6	12.1	10.3
2	.	12.7	10.6	10.6
3	.	12.8	14.2	12.4
4	.	12.5	13.4	12.3
5	.	12.4	13.0	11.1
6	.	12.3	11.8	12.2
7	.	0.8	8.4	7.0
8	.	11.9	11.5	11.6
9	.	12.4	12.2	11.4
10	.	8.7	3.2	2.5
11	.	12.6	0.5	1.2
12	.	1.8	2.7	4.8
13	.	13.0	10.7	8.4
14	.	7.1	6.0	8.0
15	.	13.0	14.4	12.2
16	.	11.7	13.0	11.4
17	.	10.0	9.5	10.3
18	.	3.7	4.8	9.8
19	.	11.0	9.9	4.8
20	.	12.7	10.9	11.4
21	.	12.8	12.9	.
22	.	11.8	12.5	12.3
23	.	12.8	11.3	11.3
24	.	12.4	9.1	9.2
25	.	12.0	13.4	11.0
26	.	13.4	10.3	11.2
27	.	7.0	4.1	11.9
28	.	12.4	7.5	8.9
29	.	10.2	5.3	7.7
30	.	12.7	10.6	7.0
31	.	8.9	13.0	11.9
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	332.1	302.8	.
Daily Means	.	10.7	9.8	9.5
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: DECEMBER		Year: 2020		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	3.1	9.6	13.3	
2	4.2	9.3	10.9	
3	10.4	9.0	8.6	
4	12.4	11.9	9.6	
5	10.3	12.1	3.0	
6	10.3	12.7	3.8	
7	9.5	9.2	5.9	
8	8.6	6.7	0.2	
9	8.6	4.6	0.0	
10	4.3	5.5	8.6	
11	0.0	1.9	4.3	
12	3.8	7.7	10.9	
13	1.0	7.7	9.1	
14	4.2	11.2	10.9	
15	8.2	1.3	8.0	
16	12.8	9.1	7.5	
17	13.9	7.6	10.5	
18	7.0	9.2	0.0	
19	0.9	7.8	3.7	
20	2.7	9.6	2.4	
21	12.4	11.5	0.0	
22	8.6	6.6	11.4	
23	5.0	2.3	6.5	
24	0.0	11.8	0.0	
25	2.1	6.7	8.4	
26	10.0	7.7	9.9	
27	1.4	12.3	10.1	
28	4.9	2.4	8.7	
29	3.1	4.4	12.6	
30	4.2	4.0	2.9	
31	7.5	1.2	4.8	
TT Monthly Totals				
Daily Means				
SS Monthly Totals	195.4	234.6	206.5	
Daily Means	6.3	7.6	6.7	
Types of	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
Instruments	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	