



Dirección Meteorológica de Chile
Subdepartamento de Climatología y Meteorología Aplicada



Informe Solarimétrico I Semestre 2015

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

Month: JANUARY Year: 2015 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	25.66	31.47	29.90	.
2	19.02	29.41	28.32	.
3	21.55	30.39	29.93	.
4	18.03	26.23	23.39	.
5	22.05	21.76	18.81	.
6	22.74	29.45	27.69	.
7	26.36	30.97	28.51	.
8	22.01	30.47	29.43	.
9	23.17	29.95	28.52	.
10	22.82	30.50	29.54	.
11	22.02	30.34	25.51	.
12	19.22	22.62	28.77	.
13	21.00	26.22	24.80	.
14	26.05	28.10	30.04	.
15	26.88	29.89	29.55	.
16	20.15	29.40	30.57	.
17	20.60	20.58	28.99	.
18	18.38	26.29	27.95	.
19	25.35	28.19	28.60	.
20	22.75	25.30	28.33	.
21	24.15	28.45	28.86	.
22	27.18	29.14	29.38	.
23	25.21	28.92	28.51	.
24	24.80	28.53	30.05	.
25	25.71	28.68	29.53	.
26	25.74	28.53	29.45	.
27	25.22	28.65	28.95	.
28	25.25	28.83	30.05	.
29	24.48	24.88	28.99	.
30	20.72	24.09	24.88	.
31	22.19	26.60	28.82	.
TT Monthly Totals	716.47	862.83	874.62	.
Daily Means	47.15	27.83	28.21	.
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: 2015 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	29.53	20.03	25.64	.
2	29.65	28.56	26.45	.
3	29.71	28.92	26.63	.
4	29.83	28.61	21.48	.
5	29.33	27.04	24.71	.
6	29.14	16.35	24.86	.
7	26.23	29.74	23.70	.
8	29.03	30.15	23.89	.
9	29.14	24.66	25.25	.
10	28.58	18.66	25.48	.
11	28.69	19.06	24.53	.
12	28.81	19.16	25.18	.
13	28.30	17.37	27.22	.
14	28.05	28.22	27.40	.
15	27.67	28.64	27.46	.
16	27.64	29.00	18.92	.
17	28.28	15.32	18.23	.
18	28.39	15.68	14.69	.
19	28.20	23.94	23.94	.
20	24.39	28.13	26.72	.
21	27.01	28.52	26.77	.
22	27.12	24.76	25.96	.
23	27.42	22.59	23.75	.
24	27.51	22.74	23.34	.
25	27.58	16.31	23.48	.
26	27.47	20.39	13.73	.
27	27.24	20.50	16.74	.
28	27.05	26.48	20.25	.
29	26.73	26.88	24.95	.
30	26.86	27.21	24.99	.
31	26.94	24.79	20.69	.
TT Monthly Totals	867.51	738.40	727.01	.
Daily Means	27.98	23.82	23.45	.
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: 2015 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	24.04	26.78	28.32	.
2	20.18	28.27	19.59	.
3	17.15	24.90	27.41	.
4	17.65	26.92	28.56	.
5	22.08	26.70	26.95	.
6	21.44	25.77	28.13	.
7	17.03	23.83	22.83	.
8	15.05	26.13	28.39	.
9	11.62	23.82	27.09	.
10	24.27	26.65	28.85	.
11	20.83	26.28	28.73	.
12	22.77	27.27	27.60	.
13	24.06	27.05	27.50	.
14	23.76	27.08	22.48	.
15	23.40	27.46	28.55	.
16	25.94	27.98	28.49	.
17	24.34	27.56	27.57	.
18	22.43	26.60	21.53	.
19	.	27.20	24.66	.
20	.	27.52	28.20	.
21	.	25.91	27.69	.
22	.	26.82	27.85	.
23	.	26.39	25.03	.
24	.	26.31	27.97	.
25	.	26.97	26.82	.
26	.	25.97	26.73	.
27	.	25.35	26.39	.
28	.	25.19	26.90	.
29				
30				
31				
TT Monthly Totals	.	740.67	746.80	.
 Daily Means	.	26.45	26.67	.
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: 2015 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	26.66	26.62	25.33	.
2	26.73	26.94	25.42	.
3	26.61	20.61	24.65	.
4	26.64	22.89	24.77	.
5	26.71	23.19	22.36	.
6	26.40	20.60	15.46	.
7	27.24	20.76	22.90	.
8	27.29	16.19	22.94	.
9	26.76	12.77	17.40	.
10	24.82	12.01	11.72	.
11	25.28	7.53	11.87	.
12	25.45	16.91	20.10	.
13	25.91	24.96	22.23	.
14	24.97	21.18	12.53	.
15	25.31	16.13	19.74	.
16	25.34	19.84	22.65	.
17	24.27	18.70	12.52	.
18	23.70	20.78	14.22	.
19	23.72	19.89	17.81	.
20	12.45	12.73	18.32	.
21	23.28	21.15	11.56	.
22	23.61	17.84	13.26	.
23	23.63	21.91	1.85	.
24	23.56	17.22	16.68	.
25	22.94	22.51	18.85	.
26	22.53	22.19	19.50	.
27	22.55	20.38	19.74	.
28	22.37	13.43	19.48	.
29				
30				
31				
TT Monthly Totals	686.71	537.89	505.86	.
 Daily Means	24.53	19.21	18.07	.
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: 2015 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	.	25.68	27.33	.
2	.	25.92	27.41	.
3	.	25.97	27.48	.
4	.	25.29	26.28	.
5	.	25.03	27.17	.
6	.	24.89	26.80	.
7	.	24.73	26.28	.
8	.	24.80	26.19	.
9	.	24.40	26.00	.
10	.	24.30	25.77	.
11	.	24.47	20.14	.
12	.	24.60	22.55	.
13	.	23.99	24.87	.
14	.	23.79	24.51	.
15	.	23.74	23.12	.
16	21.80	22.20	23.80	.
17	21.83	23.33	22.66	.
18	16.10	21.89	23.27	.
19	15.71	22.34	23.59	.
20	21.91	22.32	23.32	.
21	22.52	21.20	22.40	.
22	21.74	21.67	22.30	.
23	19.63	20.96	17.45	.
24	17.20	11.66	9.26	.
25	15.80	7.15	4.11	.
26	21.12	20.98	13.21	.
27	21.34	25.10	8.79	.
28	21.97	25.04	23.55	.
29	22.03	25.61	23.75	.
30	18.38	25.19	21.32	.
31	21.70	24.95	23.18	.
TT Monthly Totals	.	713.18	687.84	.
 Daily Means	.	23.01	22.19	.
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: 2015 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	23.52	5.13	4.49	.
2	22.92	7.30	10.26	.
3	22.94	21.04	10.05	.
4	22.57	21.75	10.39	.
5	22.44	7.11	12.85	.
6	21.85	12.88	6.10	.
7	21.85	7.87	4.94	.
8	21.81	15.60	13.03	.
9	21.34	21.08	16.43	.
10	21.22	15.78	8.57	.
11	20.90	20.84	15.62	.
12	20.90	12.87	7.66	.
13	20.59	12.71	14.82	.
14	20.61	17.03	10.22	.
15	21.59	8.41	7.32	.
16	21.59	4.61	0.48	.
17	21.23	18.75	10.17	.
18	20.49	17.76	10.63	.
19	20.37	3.91	10.96	.
20	20.37	17.68	15.00	.
21	19.26	17.53	12.53	.
22	19.70	14.79	11.54	.
23	19.70	15.58	12.81	.
24	9.57	17.08	14.47	.
25	9.88	15.38	11.11	.
26	16.91	16.37	10.18	.
27	18.25	10.03	8.91	.
28	17.45	7.79	3.40	.
29	17.54	8.72	4.38	.
30	17.54	8.82	4.96	.
31	17.77	8.30	0.19	.
TT Monthly Totals	614.67	410.49	294.49	.
 Daily Means	19.83	13.24	9.50	.
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: 2015 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	21.39	24.36	22.97	.
2	21.15	23.99	22.86	.
3	21.02	24.23	22.76	.
4	16.47	24.15	21.73	.
5	20.16	23.89	21.82	.
6	17.05	20.84	19.43	.
7	19.52	23.03	22.53	.
8	19.79	23.27	22.40	.
9	16.35	21.37	22.11	.
10	13.38	21.58	18.70	.
11	16.29	15.88	20.30	.
12	17.36	21.38	19.08	.
13	16.54	22.24	20.18	.
14	18.84	22.13	20.97	.
15	12.70	21.85	19.27	.
16	16.89	21.91	20.93	.
17	17.01	21.24	20.39	.
18	12.86	19.84	18.52	.
19	14.50	21.51	19.65	.
20	16.55	22.04	20.52	.
21	12.02	21.40	21.18	.
22	13.88	21.58	20.37	.
23	15.72	20.92	18.74	.
24	12.66	19.76	14.27	.
25	11.99	20.03	14.83	.
26	13.76	19.56	18.96	.
27	17.31	19.65	19.79	.
28	11.09	20.04	19.44	.
29	17.18	20.00	17.90	.
30	16.80	19.47	18.54	.
31				
TT Monthly Totals	488.22	643.13	601.13	.
 Daily Means	16.27	21.44	20.04	.
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: 2015 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	17.77	11.08	7.26	.
2	17.30	5.76	8.85	.
3	17.00	2.64	11.62	.
4	16.88	4.75	10.90	.
5	17.13	14.01	12.43	.
6	17.15	10.13	9.34	.
7	16.24	7.69	1.82	.
8	15.36	7.21	5.50	.
9	15.68	8.24	6.10	.
10	15.56	11.56	8.93	.
11	15.80	10.61	6.95	.
12	15.02	1.58	4.82	.
13	15.02	2.97	3.06	.
14	13.87	.	10.18	.
15	13.91	3.59	6.99	.
16	13.89	7.49	9.83	.
17	13.89	5.32	4.18	.
18	14.27	2.35	2.96	.
19	5.67	4.73	6.31	.
20	6.22	7.19	5.24	.
21	12.83	10.52	8.00	.
22	13.09	10.73	5.34	.
23	13.09	8.30	1.58	.
24	12.89	10.64	.	.
25	11.89	4.42	8.23	.
26	10.95	3.24	6.80	.
27	12.33	5.40	3.70	.
28	12.56	2.70	7.61	.
29	12.24	7.28	7.70	.
30	11.27	8.32	4.11	.
31				
TT Monthly Totals	416.78	.	.	.
 Daily Means	13.89	6.91	6.77	.
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: 2015 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	16.63	16.80	18.78	.
2	14.62	16.88	15.85	.
3	10.60	16.63	18.04	.
4	12.41	16.47	16.14	.
5	14.29	16.61	17.36	.
6	12.89	16.57	17.55	.
7	15.02	16.46	17.42	.
8	8.09	16.13	17.82	.
9	8.90	16.17	16.45	.
10	12.43	16.10	17.75	.
11	8.37	16.05	15.60	.
12	10.56	16.06	16.43	.
13	11.24	16.03	6.19	.
14	10.81	15.78	15.34	.
15	11.08	15.96	17.21	.
16	13.12	15.80	17.32	.
17	13.17	15.27	16.53	.
18	14.71	15.45	15.94	.
19	8.80	15.82	9.30	.
20	12.72	15.79	13.57	.
21	9.25	15.71	16.48	.
22	11.82	15.42	11.02	.
23	11.68	13.31	11.93	.
24	13.35	15.69	10.89	.
25	9.26	15.66	11.45	.
26	10.37	14.58	12.27	.
27	11.90	13.74	15.61	.
28	6.39	15.88	12.00	.
29	7.64	10.24	14.46	.
30	8.29	14.76	14.58	.
31	8.60	16.74	15.52	.
TT Monthly Totals	349.02	484.58	462.82	.
Daily Means	11.26	15.63	14.93	.
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: 2015 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	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS
Date				
1	5.35	.	3.49	.
2	11.05	.	7.89	.
3	11.58	.	5.64	.
4	10.82	.	5.04	.
5	11.25	.	5.25	.
6	11.33	.	3.64	.
7	9.20	.	3.57	.
8	3.64	.	1.90	.
9	10.38	.	2.85	.
10	11.05	.	2.73	.
11	8.51	.	3.71	.
12	7.55	.	4.05	.
13	9.75	.	3.35	.
14	10.39	.	3.56	.
15	9.86	.	2.28	.
16	10.32	.	0.56	.
17	10.38	.	4.91	.
18	9.82	.	5.43	.
19	10.31	.	2.33	.
20	7.19	.	2.62	.
21	7.07	.	3.00	.
22	6.54	.	3.78	.
23	4.52	.	5.19	.
24	9.67	.	3.93	.
25	5.59	.	3.63	.
26	8.45	.	4.21	.
27	9.12	.	2.61	.
28	9.12	.	2.79	.
29	9.40	.	2.50	.
30	9.40	.	2.12	.
31	6.34	.	2.75	.
TT Monthly Totals	274.98	.	111.32	.
Daily Means	8.87	.	3.59	.
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: JUNE Year: 2015 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	10.79	.	15.15	.
2	11.33	.	15.46	.
3	10.91	.	15.22	.
4	8.92	.	14.82	.
5	6.43	.	11.52	.
6	9.67	.	13.33	.
7	13.62	.	15.33	.
8	13.44	.	15.25	.
9	11.64	.	15.13	.
10	10.05	.	13.15	.
11	11.00	.	15.04	.
12	7.59	.	14.84	.
13	7.31	.	8.27	.
14	7.88	.	13.87	.
15	7.65	.	15.35	.
16	9.65	.	14.40	.
17	8.40	.	15.53	.
18	10.37	.	15.36	.
19	8.19	.	12.87	.
20	7.21	.	12.96	.
21	13.12	.	14.73	.
22	12.90	.	12.03	.
23	11.45	.	12.25	.
24	8.81	.	12.53	.
25	9.24	.	15.05	.
26	9.17	.	13.49	.
27	8.25	.	6.60	.
28	10.58	.	9.14	.
29	11.14	.	8.47	.
30	9.26	.	10.61	.
31				
TT Monthly Totals	295.96	.	397.76	.
 Daily Means	9.87	.	13.26	.
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: 2015 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	QUINTA NORMAL	PUERTO MONTT	COYHAIQUE	PUNTA ARENAS
Date				
1	2.68	.	4.58	.
2	5.96	.	1.86	.
3	6.70	.	3.14	.
4	3.23	.	2.00	.
5	8.77	.	3.63	.
6	8.92	.	2.95	.
7	8.97	.	3.00	.
8	9.06	.	0.40	.
9	5.46	.	2.35	.
10	7.89	.	2.46	.
11	8.81	.	2.29	.
12	8.83	.	2.32	.
13	9.32	.	2.74	.
14	9.38	.	1.67	.
15	9.38	.	3.17	.
16	9.32	.	3.54	.
17	9.18	.	3.38	.
18	9.21	.	2.29	.
19	9.21	.	2.43	.
20	8.56	.	2.61	.
21	8.32	.	3.01	.
22	6.45	.	4.29	.
23	7.10	.	1.83	.
24	8.77	.	1.60	.
25	9.43	.	1.33	.
26	9.79	.	3.09	.
27	9.96	.	2.43	.
28	10.15	.	2.92	.
29	10.19	.	3.95	.
30	10.13	.	4.42	.
31				
TT Monthly Totals	249.11	.	81.69	.
 Daily Means	8.30	.	2.72	.
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: 2015		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	10.1	11.7	11.5	11.1	
2	5.3	15.1	10.5	10.1	
3	6.6	11.5	11.2	10.0	
4	4.2	7.6	6.7	5.7	
5	5.8	4.8	3.9	3.4	
6	6.0	10.6	11.0	7.4	
7	9.0	11.5	11.5	9.2	
8	5.6	7.5	11.4	10.7	
9	8.1	9.7	11.4	9.1	
10	6.2	4.9	10.9	8.7	
11	6.5	7.5	11.3	8.5	
12	4.9	4.1	5.7	9.1	
13	6.0	1.9	8.4	7.2	
14	10.4	10.3	10.1	10.2	
15	10.3	11.6	11.7	11.7	
16	6.1	11.5	11.5	11.6	
17	6.0	8.1	4.4	10.4	
18	3.9	9.2	10.2	9.0	
19	11.2	11.3	9.9	9.8	
20	7.7	11.3	8.3	11.6	
21	6.2	9.9	11.0	10.6	
22	11.3	10.6	11.5	10.8	
23	10.4	10.4	11.4	10.2	
24	10.3	11.3	11.5	11.6	
25	11.7	11.4	11.5	11.7	
26	11.7	11.4	11.2	12.0	
27	11.7	11.6	11.7	11.3	
28	17.7	11.4	11.6	12.1	
29	9.8	9.9	9.9	11.8	
30	6.1	9.9	8.5	8.0	
31	8.3	10.1	9.3	10.9	
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	255.1	299.6	310.6	305.5	
 Daily Means	8.2	9.7	10.0	9.9	
Types of Instruments	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
	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: 2015 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	10.9	11.7	12.4
2	7.7	0.0	9.1	11.9
3	9.4	0.5	4.5	12.7
4	7.4	4.7	7.1	12.7
5	2.7	7.1	3.3	12.7
6	3.9	6.9	2.5	9.5
7	7.1	8.8	6.1	11.3
8	5.0	12.7	9.7	12.6
9	4.5	9.8	2.1	12.7
10	5.3	10.1	0.4	12.6
11	0.4	9.8	3.7	12.6
12	0.0	12.2	4.4	12.4
13	3.7	7.8	2.6	12.4
14	7.5	0.0	2.3	12.4
15	6.8	0.4	0.1	12.6
16	3.7	1.2	4.4	12.5
17	3.3	0.4	3.7	12.5
18	0.0	7.7	0.0	11.4
19	4.5	3.8	2.1	5.4
20	12.5	11.2	12.3	9.1
21	7.5	5.5	7.5	10.7
22	4.4	6.3	5.2	12.1
23	4.1	9.1	1.2	12.5
24	7.9	3.7	8.4	12.6
25	10.5	9.7	6.7	12.3
26	8.3	12.9	8.0	12.6
27	9.5	5.0	2.9	12.5
28	12.4	11.7	11.5	12.5
29	8.3	8.8	10.6	12.2
30	5.8	7.9	8.2	12.3
31	5.2	4.7	0.0	12.4
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	188.7	211.3	162.3	369.1
 Daily Means	6.1	6.8	5.2	11.9
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: JANUARY Year: 2015 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	10.8	7.6	12.9	13.4
2	12.2	10.9	12.8	12.8
3	12.3	8.8	8.1	13.4
4	12.3	8.4	2.7	13.4
5	11.8	4.5	0.0	13.2
6	9.7	2.1	2.2	10.5
7	10.3	9.6	6.0	10.7
8	12.0	9.8	12.7	12.7
9	12.0	5.8	12.8	13.4
10	12.0	4.3	2.8	13.4
11	12.0	10.2	11.1	13.4
12	11.7	1.5	9.9	13.4
13	11.7	7.9	11.0	13.3
14	11.9	4.9	8.9	13.1
15	11.8	8.5	1.7	13.2
16	11.6	8.3	0.0	12.4
17	11.4	8.7	2.5	13.3
18	11.2	7.5	0.0	13.1
19	5.0	1.7	3.8	4.9
20	8.5	1.4	4.5	11.5
21	11.2	0.1	0.4	10.3
22	11.2	4.3	8.4	9.2
23	11.5	11.5	9.5	12.7
24	11.3	8.5	3.4	13.2
25	11.0	11.4	0.5	13.2
26	11.2	8.2	9.8	13.2
27	11.1	9.7	10.9	13.1
28	11.3	2.2	12.5	13.0
29	11.2	3.9	0.0	13.1
30	12.3	11.3	6.3	12.9
31	11.4	7.8	9.8	13.0
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	346.9	211.3	197.9	385.4
 Daily Means	11.2	6.8	6.4	12.4
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: 2015 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	12.6	13.6	12.5	9.2
2	13.2	13.0	13.5	12.1
3	13.3	12.8	12.1	12.4
4	13.5	12.8	13.0	13.3
5	13.2	7.5	9.1	8.3
6	13.4	13.7	12.4	12.4
7	12.9	13.4	12.2	13.3
8	13.3	13.3	12.8	12.6
9	13.5	12.5	10.1	12.1
10	13.3	13.0	11.1	11.8
11	13.3	12.8	12.8	13.3
12	13.2	12.8	12.6	12.2
13	13.3	12.3	10.7	5.1
14	13.2	12.3	12.2	12.3
15	13.0	12.4	12.3	13.2
16	13.8	12.8	10.9	12.5
17	13.2	12.8	13.4	12.0
18	13.1	11.3	9.7	12.7
19	12.8	10.9	12.1	9.2
20	13.1	1.4	11.9	13.2
21	10.3	0.0	7.4	12.6
22	8.9	6.7	3.8	3.6
23	12.6	12.0	11.1	10.0
24	12.4	11.5	10.7	5.4
25	13.1	6.1	12.0	11.7
26	13.0	12.8	9.1	7.6
27	13.1	12.8	9.4	11.3
28	13.0	12.8	12.4	11.8
29	13.0	12.6	11.2	12.7
30	12.6	12.0	8.8	11.5
31	12.9	12.3	8.5	10.7
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	399.1	349.0	341.8	342.1
 Daily Means	12.9	11.3	11.0	11.0
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: JANUARY Year: 2015 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	5.5	9.7	1.5	
2	13.0	10.9	9.7	
3	12.4	8.7	7.8	
4	10.9	5.4	5.7	
5	6.1	10.7	9.4	
6	3.0	9.9	6.7	
7	14.5	9.8	11.6	
8	9.1	4.4	10.9	
9	5.3	12.0	2.2	
10	7.7	8.5	10.3	
11	8.8	1.5	11.3	
12	5.4	11.7	5.5	
13	1.6	12.1	7.5	
14	13.9	12.5	6.4	
15	11.5	8.6	3.6	
16	0.9	6.6	13.1	
17	4.1	3.7	12.5	
18	3.7	1.7	12.3	
19	8.4	8.7	7.9	
20	11.2	12.1	10.7	
21	12.7	11.5	14.2	
22	2.4	9.3	6.0	
23	7.6	9.1	13.0	
24	2.2	7.7	10.4	
25	4.8	3.8	3.8	
26	6.8	5.7	2.6	
27	7.5	8.6	4.5	
28	12.4	8.0	5.9	
29	11.2	12.0	4.9	
30	9.4	8.3	7.7	
31	10.0	7.6	9.6	
TT Monthly Totals				
Daily Means				
SS Monthly Totals	244.0	260.8	249.2	
Daily Means	7.9	8.4	8.0	
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: FEBRUARY		Year: 2015		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	9.8	10.8	10.4	10.1	
2	6.1	8.5	10.6	9.1	
3	3.0	7.7	8.5	9.8	
4	3.6	4.4	9.3	10.1	
5	7.1	10.3	10.7	7.5	
6	7.1	6.0	10.2	10.2	
7	3.5	4.6	6.8	8.3	
8	1.6	10.2	9.8	11.7	
9	0.6	4.9	8.5	9.2	
10	6.5	10.2	10.6	11.6	
11	5.9	9.5	10.3	11.1	
12	7.4	10.3	11.5	10.0	
13	8.2	9.6	11.0	10.2	
14	7.8	8.7	11.2	6.5	
15	8.2	9.7	11.8	11.5	
16	9.2	11.1	11.7	11.5	
17	8.3	11.0	11.6	9.7	
18	6.6	5.2	11.4	6.8	
19	6.2	8.4	11.2	10.9	
20	11.6	11.4	11.4	11.6	
21	7.3	10.4	11.4	11.3	
22	11.1	10.9	11.2	11.2	
23	8.9	11.0	11.3	8.4	
24	10.7	10.9	11.4	11.3	
25	5.2	10.8	11.3	10.7	
26	9.6	10.8	11.0	10.4	
27	8.7	10.8	10.8	11.3	
28	11.0	11.0	11.0	11.2	
29					
30					
31					
TT Monthly Totals					
Daily Means					
SS Monthly Totals	200.8	259.1	297.9	283.2	
Daily Means	7.2	9.3	10.6	10.1	
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: 2015 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	6.0	7.4	4.1	12.3
2	6.6	12.4	5.9	12.4
3	2.2	11.8	5.4	12.3
4	2.6	9.0	5.9	12.5
5	7.2	6.5	6.2	12.2
6	8.8	12.5	8.3	10.6
7	10.2	11.0	10.3	12.3
8	12.4	9.5	8.1	11.5
9	10.2	10.5	10.2	4.3
10	12.5	12.1	12.4	11.9
11	12.3	11.8	12.4	12.2
12	12.3	11.8	10.2	12.0
13	8.8	8.4	7.0	12.0
14	1.5	12.2	3.1	11.7
15	3.8	11.5	4.8	11.5
16	7.4	9.9	3.2	11.8
17	6.4	12.5	3.7	11.8
18	6.6	9.4	0.0	11.5
19	6.4	10.9	6.1	11.3
20	11.6	8.2	10.2	5.2
21	11.6	12.0	11.5	10.3
22	10.8	10.9	11.5	10.4
23	5.6	4.4	4.5	11.5
24	7.4	10.6	6.2	6.5
25	3.6	8.4	11.4	9.7
26	8.0	10.9	1.8	10.2
27	10.8	6.9	11.8	9.4
28	10.9	11.0	11.6	11.0
29				
30				
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	224.5	284.4	207.8	302.3
Daily Means	8.0	10.2	7.4	10.8
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: FEBRUARY Year: 2015 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	11.2	8.3	0.4	13.0
2	11.1	2.8	4.3	12.9
3	11.2	1.2	2.6	13.0
4	11.1	4.9	4.4	12.8
5	10.9	11.2	0.7	12.8
6	9.7	5.3	4.0	12.7
7	11.0	6.7	0.0	12.9
8	10.6	9.9	7.9	11.8
9	3.9	6.2	2.6	7.4
10	10.4	4.2	12.5	12.4
11	11.1	1.2	12.5	12.4
12	11.1	6.2	11.9	12.6
13	11.2	10.0	11.8	12.6
14	11.2	4.6	7.9	12.5
15	10.9	8.5	0.6	12.2
16	10.9	9.0	1.5	12.0
17	11.1	7.6	3.8	12.4
18	11.2	5.7	11.7	12.2
19	10.7	4.5	11.1	9.2
20	4.8	4.0	3.7	6.1
21	11.5	3.6	8.2	12.0
22	10.6	7.3	10.1	11.2
23	10.9	1.3	0.0	11.9
24	4.9	4.4	1.2	0.6
25	10.3	6.4	7.5	6.2
26	10.2	8.9	5.8	8.5
27	9.7	1.2	11.6	5.7
28	10.4	8.3	6.2	4.0
29				
30				
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	283.8	163.4	166.5	296.0
Daily Means	10.1	5.8	5.9	10.6
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: 2015		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	12.9	11.7	12.4	
2	12.8	12.7	11.3	12.4	
3	12.8	12.6	7.0	8.7	
4	12.4	12.6	7.2	6.8	
5	12.8	12.6	8.3	10.4	
6	12.7	12.3	9.6	9.2	
7	10.7	8.9	3.3	2.2	
8	9.9	10.3	3.6	2.2	
9	12.2	11.4	8.7	8.5	
10	12.7	12.4	11.8	12.5	
11	12.6	11.9	11.2	10.0	
12	12.7	11.8	12.6	12.3	
13	12.5	12.1	12.5	12.2	
14	12.4	12.5	11.9	12.3	
15	12.4	12.3	11.7	11.7	
16	12.5	12.0	11.2	12.0	
17	12.4	12.1	12.3	10.1	
18	12.0	10.9	12.6	12.0	
19	6.0	8.1	8.3	9.6	
20	10.1	10.8	10.7	8.1	
21	11.8	7.9	9.0	11.9	
22	12.2	9.9	8.7	8.1	
23	12.3	11.4	10.5	11.5	
24	10.5	7.2	10.8	11.5	
25	7.9	8.2	11.0	11.8	
26	12.0	0.5	12.1	11.6	
27	6.4	9.4	11.0	11.5	
28	6.7	5.2	7.0	1.8	
29					
30					
31					
TT Monthly Totals					
Daily Means					
SS Monthly Totals	317.4	292.9	277.6	275.3	
Daily Means	11.3	10.5	9.9	9.8	
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: FEBRUARY Year: 2015 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	12.3	11.8	4.3	
2	7.4	11.9	5.2	
3	8.0	11.4	6.6	
4	9.0	10.3	8.3	
5	6.3	3.8	5.2	
6	8.3	5.7	10.2	
7	4.7	11.9	4.8	
8	4.5	5.2	0.0	
9	5.6	8.7	3.0	
10	0.0	6.6	9.3	
11	0.9	4.2	5.2	
12	7.5	11.7	11.8	
13	10.9	11.1	9.9	
14	9.7	5.6	5.9	
15	8.1	11.1	6.8	
16	11.5	11.6	8.1	
17	9.8	7.6	10.3	
18	11.2	6.6	1.3	
19	9.8	8.4	0.7	
20	4.6	8.7	4.9	
21	8.0	4.4	4.4	
22	7.3	4.5	2.2	
23	8.9	5.9	4.2	
24	7.0	11.6	6.3	
25	11.2	16.9	0.9	
26	11.9	9.3	10.6	
27	10.9	9.8	8.1	
28	5.5	11.2	8.4	
29				
30				
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	220.8	247.5	166.9	
Daily Means	7.9	8.8	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: 2015		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	11.1	11.0	10.8	10.6	
2	11.0	11.2	11.3	10.8	
3	6.5	9.6	11.3	10.7	
4	6.0	10.2	11.1	9.6	
5	8.7	10.5	11.2	10.9	
6	4.7	4.7	11.2	11.0	
7	5.9	10.5	11.2	11.1	
8	8.2	10.5	11.2	11.0	
9	10.9	10.6	10.7	10.5	
10	10.8	10.6	10.8	10.3	
11	10.4	10.6	11.2	5.7	
12	10.3	9.8	11.3	8.2	
13	9.9	10.0	11.1	10.5	
14	11.0	10.5	10.4	10.3	
15	10.0	10.6	10.4	9.8	
16	8.2	10.2	10.8	9.6	
17	9.9	7.1	10.5	9.6	
18	3.6	7.0	9.0	8.9	
19	5.4	7.9	9.1	9.9	
20	9.5	10.5	10.7	9.5	
21	10.3	10.3	8.7	8.5	
22	10.4	10.6	9.4	8.7	
23	7.9	4.9	9.3	6.0	
24	5.9	4.0	2.3	0.6	
25	3.4	1.4	1.2	0.0	
26	8.8	10.1	7.3	7.1	
27	10.9	8.6	11.3	10.1	
28	10.4	10.5	11.3	11.3	
29	10.8	10.5	11.4	10.3	
30	7.0	10.6	11.5	9.5	
31	11.0	10.6	11.3	10.6	
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	268.8	285.7	310.3	281.2	
 Daily Means	8.7	9.2	10.0	9.1	
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: MARCH Year: 2015 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	10.6	8.9	12.1	11.1
2	4.2	9.8	11.6	11.5
3	0.0	5.0	11.3	11.1
4	5.8	10.1	9.4	11.0
5	4.8	10.4	7.1	11.2
6	3.5	12.0	0.0	11.1
7	8.0	6.2	4.9	10.1
8	8.1	10.9	11.4	11.2
9	8.3	6.2	4.5	11.0
10	7.3	11.1	4.3	10.9
11	7.0	11.1	3.0	10.6
12	3.9	7.1	3.2	10.3
13	10.7	7.5	8.7	10.5
14	11.0	3.7	10.9	10.8
15	9.3	8.2	10.4	10.9
16	6.9	2.6	2.5	10.1
17	10.1	10.8	10.5	10.3
18	5.8	8.5	6.8	10.6
19	9.8	8.8	7.0	10.3
20	8.4	6.9	1.5	10.0
21	5.7	8.7	0.0	10.1
22	7.5	9.8	11.7	9.6
23	8.6	3.1	2.5	0.8
24	3.9	0.1	1.7	1.2
25	2.5	7.1	2.0	1.9
26	6.8	10.2	9.8	8.5
27	9.9	7.0	11.2	10.3
28	9.4	8.6	8.2	10.4
29	8.9	9.0	10.1	10.4
30	0.1	9.0	2.8	7.6
31	4.2	3.1	1.3	10.3
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	211.0	241.5	202.4	295.7
 Daily Means	6.8	7.8	6.5	9.5
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: 2015 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	10.4	7.9	11.1	11.4
2	11.0	5.9	8.8	10.4
3	10.5	7.9	11.3	11.4
4	10.5	9.4	10.9	11.4
5	10.4	8.6	11.0	11.4
6	10.1	10.2	2.6	11.6
7	9.8	3.5	7.2	8.2
8	9.7	10.1	7.4	7.1
9	10.1	10.0	8.1	11.2
10	10.2	10.2	10.9	11.1
11	9.7	10.1	6.7	11.0
12	9.7	8.0	7.3	10.6
13	9.6	5.8	10.8	10.9
14	9.6	5.2	10.7	10.9
15	9.2	8.7	11.0	11.0
16	9.5	9.0	8.4	11.1
17	9.4	8.8	5.2	8.7
18	10.1	4.6	1.9	10.8
19	8.7	4.7	8.3	10.8
20	9.0	0.4	10.5	10.4
21	8.9	9.7	8.7	9.9
22	8.6	9.4	6.4	8.6
23	0.0	5.6	0.0	3.0
24	0.8	6.2	2.1	1.2
25	1.6	2.0	0.7	8.5
26	8.2	9.3	4.3	8.2
27	8.8	9.3	10.6	10.0
28	9.1	8.8	10.6	10.3
29	8.9	5.5	9.9	10.0
30	6.6	3.5	9.4	8.8
31	8.8	5.6	10.6	10.1
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	267.5	223.9	243.4	300.0
 Daily Means	8.6	7.2	7.9	9.7
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: 2015 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	10.3	10.3	3.8	2.4
2	10.5	9.3	4.4	1.1
3	11.1	11.4	11.3	8.5
4	11.5	11.7	11.3	11.3
5	10.7	11.5	11.2	12.5
6	11.5	11.0	7.8	7.0
7	8.9	0.5	1.2	2.4
8	10.9	10.8	10.1	8.7
9	11.2	10.5	11.1	11.3
10	11.3	10.9	10.6	11.4
11	10.9	11.1	10.4	11.1
12	11.2	10.8	10.8	11.9
13	11.3	11.6	9.6	7.5
14	11.2	11.1	10.5	10.4
15	11.2	10.9	9.0	10.0
16	11.0	9.9	10.2	2.9
17	10.1	10.4	8.5	8.5
18	11.1	10.3	10.7	10.0
19	8.6	9.4	7.6	6.3
20	10.7	11.0	10.9	10.9
21	10.7	8.1	9.5	8.3
22	6.5	3.0	10.4	10.2
23	3.9	6.7	10.9	9.7
24	0.7	3.5	10.8	9.7
25	9.4	10.1	11.1	10.3
26	9.9	7.9	10.5	9.8
27	9.4	9.8	6.3	6.9
28	10.2	9.7	9.6	6.5
29	4.7	4.8	5.1	8.7
30	9.9	9.8	9.9	9.2
31	9.6	9.9	6.8	6.3
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	300.1	287.7	281.9	261.7
 Daily Means	9.7	9.3	9.1	8.4
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: MARCH Year: 2015 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	0.2	2.9	6.7	
2	2.1	7.3	6.5	
3	9.7	1.8	2.6	
4	10.0	7.5	5.4	
5	0.6	7.2	8.3	
6	5.0	3.9	6.3	
7	3.2	5.5	7.2	
8	8.5	7.4	4.5	
9	9.7	10.2	0.0	
10	7.2	6.1	10.1	
11	10.5	9.8	8.0	
12	5.8	5.9	3.8	
13	4.2	9.0	7.6	
14	7.7	5.8	9.0	
15	0.9	1.9	3.2	
16	1.0	0.0	8.9	
17	9.6	7.6	4.3	
18	8.4	7.1	3.5	
19	0.0	5.1	7.6	
20	10.5	10.0	1.3	
21	9.1	9.5	0.3	
22	6.6	10.0	0.1	
23	7.8	8.7	10.0	
24	9.6	8.8	8.1	
25	8.8	5.3	0.0	
26	9.3	5.6	1.6	
27	3.4	5.5	0.1	
28	2.0	0.2	2.8	
29	3.8	7.3	3.6	
30	2.7	5.5	0.6	
31	3.9	0.9	1.0	
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	181.8	189.3	143.0	
 Daily Means	5.9	6.1	4.6	
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: APRIL		Year: 2015		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	8.9	10.5	10.9	10.3	
2	10.6	11.6	11.1	10.6	
3	10.4	10.4	11.3	9.6	
4	5.6	7.9	11.3	8.9	
5	8.4	8.3	10.9	9.9	
6	8.1	10.7	8.8	9.7	
7	9.6	9.0	10.4	10.3	
8	10.1	8.8	11.3	10.4	
9	5.7	5.8	10.0	10.3	
10	4.0	0.0	10.2	7.1	
11	6.7	3.5	5.3	8.6	
12	7.8	9.2	9.9	7.8	
13	6.6	6.7	11.0	8.7	
14	8.6	10.2	10.6	9.6	
15	4.8	8.7	11.0	8.0	
16	6.8	10.1	10.9	9.9	
17	8.9	10.1	11.1	9.7	
18	4.6	4.9	9.5	7.5	
19	5.0	6.8	11.0	8.4	
20	6.2	7.5	11.0	9.4	
21	2.7	9.8	10.9	10.5	
22	5.2	8.4	10.9	9.1	
23	5.9	8.4	9.3	7.9	
24	3.7	9.3	10.5	8.7	
25	2.8	7.8	10.8	5.7	
26	5.8	10.0	10.8	9.0	
27	10.1	10.0	10.9	10.5	
28	4.0	9.0	10.9	10.3	
29	10.3	9.5	10.8	8.1	
30	10.1	10.5	10.8	9.5	
31					
TT Monthly Totals					
Daily Means					
SS Monthly Totals	208.0	253.4	314.1	274.0	
Daily Means	6.9	8.4	10.5	9.1	
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: APRIL		Year: 2015		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	0.2	9.7	0.0	10.2	
2	2.0	10.1	0.0	10.3	
3	5.7	7.9	0.0	10.2	
4	6.4	9.5	9.2	9.3	
5	1.0	7.4	0.0	9.8	
6	4.1	8.1	1.1	8.3	
7	7.0	10.0	5.4	5.0	
8	5.5	1.3	10.0	8.8	
9	6.5	0.0	7.6	9.7	
10	1.1	1.6	4.0	9.7	
11	7.3	3.6	4.6	9.7	
12	6.7	6.7	9.5	8.9	
13	3.0	8.1	0.0	7.7	
14	6.0	10.0	4.2	8.0	
15	3.7	8.1	5.9	4.5	
16	8.7	7.3	6.4	9.4	
17	10.2	4.4	10.6	9.5	
18	1.2	8.0	5.2	9.4	
19	4.4	8.4	7.0	0.0	
20	6.9	5.0	5.1	0.3	
21	10.1	9.8	8.7	9.3	
22	6.6	1.2	6.8	9.1	
23	3.5	6.7	2.3	9.4	
24	5.6	8.3	1.5	9.3	
25	6.1	6.6	3.2	9.0	
26	8.1	9.0	6.2	6.1	
27	6.0	1.2	8.9	9.3	
28	3.6	1.7	2.0	8.8	
29	0.0	9.2	0.0	8.9	
30	4.9	8.9	0.0	8.9	
31					
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	152.1	197.8	.	246.8	
 Daily Means	5.1	6.6	4.5	8.2	
Types of Instruments	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
	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: 2015 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	8.8	7.9	9.7	9.6
2	9.0	0.6	7.3	8.2
3	8.8	0.4	6.7	6.2
4	8.7	7.7	9.0	8.1
5	8.7	7.7	1.7	9.1
6	7.6	0.2	1.3	8.5
7	4.0	8.5	6.0	4.2
8	8.7	7.1	10.3	6.8
9	8.7	8.8	10.2	7.3
10	9.1	8.8	10.1	9.6
11	9.2	8.8	8.0	9.4
12	8.7	8.6	0.0	9.3
13	8.0	0.7	0.0	8.1
14	8.1	1.6	5.4	8.5
15	2.2	2.3	4.6	4.5
16	8.0	6.5	8.2	6.3
17	8.3	7.4	10.3	8.1
18	8.2	0.7	9.1	8.6
19	0.4	5.6	0.0	0.0
20	0.2	4.0	1.0	2.0
21	8.2	0.4	9.3	8.8
22	8.1	6.6	9.1	5.8
23	8.1	6.4	9.2	8.8
24	8.3	8.1	7.3	7.7
25	8.1	5.2	4.4	8.6
26	6.3	3.5	6.2	3.0
27	7.6	6.6	1.3	1.6
28	7.7	1.8	8.4	5.4
29	8.2	5.4	8.5	8.5
30	8.1	5.9	7.7	4.3
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	222.1	153.8	190.3	204.9
 Daily Means	7.4	5.1	6.3	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: APRIL Year: 2015 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	10.5	9.7	0.0	0.0
2	8.0	3.9	0.2	0.0
3	4.9	7.5	5.3	0.0
4	9.7	9.0	1.0	0.0
5	7.4	8.4	9.1	4.6
6	5.4	0.0	1.8	1.8
7	7.9	2.8	3.3	1.4
8	8.2	6.8	3.6	1.7
9	8.9	9.1	6.0	4.1
10	8.9	9.5	8.7	6.5
11	9.6	10.0	8.8	5.8
12	8.3	9.2	4.7	3.5
13	0.2	1.6	2.5	4.7
14	4.9	9.3	3.6	2.7
15	4.0	4.8	0.0	0.6
16	8.6	7.8	2.7	6.2
17	8.4	8.8	6.3	3.5
18	5.9	1.0	0.0	0.0
19	6.2	7.4	7.0	8.1
20	8.8	9.7	6.3	2.1
21	3.8	9.0	6.8	7.9
22	5.5	9.9	9.2	8.2
23	3.5	7.5	6.8	4.4
24	8.3	9.4	7.3	4.3
25	7.9	9.0	6.3	5.2
26	2.8	0.0	0.0	0.0
27	.	7.3	2.4	2.1
28	3.2	8.1	7.4	6.5
29	6.9	3.8	0.0	0.3
30	7.6	7.5	4.9	3.3
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	194.2	207.8	132.0	99.5
Daily Means	6.7	6.9	4.4	3.3
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: 2015 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	6.4	5.4	5.4	
2	0.5	5.0	4.1	
3	0.0	9.2	5.5	
4	0.0	9.0	7.3	
5	8.5	8.5	9.5	
6	4.4	4.4	9.0	
7	4.1	0.1	2.2	
8	3.8	2.7	0.0	
9	3.5	3.5	4.7	
10	8.1	5.9	0.4	
11	5.2	3.8	3.8	
12	0.1	1.0	3.5	
13	3.2	0.2	8.2	
14	3.9	7.5	7.5	
15	0.7	2.7	8.9	
16	3.5	6.9	2.3	
17	1.2	0.7	6.7	
18	1.1	0.0	5.3	
19	1.2	4.9	6.1	
20	1.6	2.1	0.6	
21	7.6	4.4	3.7	
22	6.7	3.6	0.7	
23	4.9	0.3	3.3	
24	7.7	0.6	0.0	
25	1.0	6.9	1.6	
26	0.0	3.4	5.9	
27	0.6	0.3	6.1	
28	0.0	5.5	3.0	
29	4.4	5.0	3.6	
30	4.7	2.3	0.3	
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	98.6	115.8	129.2	
 Daily Means	3.3	3.9	4.3	
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: 2015		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	9.9	10.1	10.7	9.5	
2	6.5	6.0	10.5	7.5	
3	4.3	8.2	10.6	8.8	
4	5.2	7.7	10.7	6.6	
5	6.0	8.7	10.7	6.3	
6	5.6	5.6	10.1	8.2	
7	8.0	10.0	9.9	8.8	
8	2.1	4.1	10.6	8.7	
9	2.7	9.8	10.7	6.2	
10	5.8	7.7	10.8	9.5	
11	1.0	3.7	10.4	7.1	
12	2.2	6.9	10.7	8.4	
13	3.7	8.0	10.7	7.5	
14	4.8	6.2	10.7	7.1	
15	3.8	8.9	10.6	9.6	
16	6.6	4.4	10.6	9.8	
17	5.4	9.3	10.6	8.5	
18	7.9	9.6	10.6	8.0	
19	4.0	6.4	10.7	6.5	
20	4.8	7.3	10.6	5.9	
21	4.3	4.0	10.6	8.0	
22	4.9	5.4	10.6	5.0	
23	5.2	7.0	10.2	4.0	
24	7.0	4.1	10.3	2.9	
25	2.6	2.9	0.7	4.4	
26	3.8	2.6	7.0	7.8	
27	4.6	6.0	10.4	8.5	
28	0.4	0.3	10.5	5.3	
29	0.0	4.8	10.5	7.1	
30	3.2	4.4	10.5	7.9	
31	3.7	5.3	10.5	7.5	
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	140.0	195.4	313.3	226.9	
 Daily Means	4.5	6.3	10.1	7.3	
Types of Instruments	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: MAY		Year: 2015		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	9.2	1.1	0.3	
2	3.3	5.6	4.4	6.3	
3	7.3	15.0	9.6	9.1	
4	6.7	8.0	8.7	6.4	
5	8.4	8.1	8.2	8.9	
6	8.1	5.1	9.6	8.9	
7	5.0	8.0	6.6	5.6	
8	6.1	9.9	8.1	0.1	
9	5.4	5.9	7.9	7.5	
10	7.0	9.3	8.1	8.8	
11	6.3	6.3	6.7	4.9	
12	6.0	6.4	4.3	4.1	
13	4.5	5.9	2.2	8.6	
14	0.0	6.8	0.0	8.5	
15	4.9	8.7	4.2	8.6	
16	7.6	5.7	2.9	8.6	
17	6.8	0.5	5.0	8.6	
18	5.5	6.9	2.5	8.3	
19	2.9	5.4	0.0	8.7	
20	5.4	2.8	5.2	4.4	
21	8.6	1.3	8.4	2.3	
22	0.5	2.2	4.4	3.7	
23	0.0	8.4	0.0	2.9	
24	0.0	8.2	2.3	7.6	
25	0.0	5.9	2.4	1.0	
26	8.8	7.6	3.4	8.4	
27	5.3	15.0	8.9	7.5	
28	3.8	4.1	4.3	0.0	
29	4.3	8.7	7.7	8.5	
30	2.8	5.4	5.5	4.4	
31	9.3	3.4	9.3	3.9	
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	157.6	209.7	161.9	185.4	
 Daily Means	5.1	6.8	5.2	6.0	
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: 2015		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	0.3	0.1	0.6	0.7	
2	6.7	3.8	9.7	6.3	
3	7.2	3.1	9.0	8.4	
4	6.4	2.6	7.7	8.5	
5	8.0	5.3	9.2	4.9	
6	7.7	2.4	8.8	8.6	
7	5.6	0.1	5.0	3.2	
8	0.0	7.1	1.8	0.0	
9	6.9	5.4	7.3	8.6	
10	7.7	6.2	8.8	5.8	
11	4.0	4.0	6.6	5.3	
12	2.7	5.2	3.3	3.2	
13	7.6	6.0	8.9	3.5	
14	7.6	5.1	8.9	5.8	
15	7.6	5.6	8.1	7.5	
16	7.7	4.1	0.0	8.1	
17	7.3	4.1	0.7	8.0	
18	7.8	0.0	3.1	7.0	
19	7.8	0.1	0.0	6.1	
20	5.0	4.1	3.8	0.3	
21	2.8	2.1	1.8	0.0	
22	2.1	4.2	1.4	1.4	
23	2.5	2.0	8.2	7.4	
24	7.5	2.2	9.6	4.7	
25	1.4	3.5	5.4	2.5	
26	6.6	3.4	9.0	7.9	
27	7.4	1.9	8.7	5.1	
28	0.3	4.1	0.0	0.1	
29	8.0	5.2	8.1	9.0	
30	4.3	4.3	1.7	3.2	
31	4.5	4.0	5.0	1.8	
TT Monthly Totals					
 Daily Means					
SS Monthly Totals	169.0	111.3	170.2	152.9	
 Daily Means	5.5	3.6	5.5	4.9	
Types of Instruments	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	HELIOGRAPH	
	CAMPBELL	CAMPBELL	CAMPBELL	CAMPBELL	
	STOKES	STOKES	STOKES	STOKES	

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

Month: MAY	Year: 2015			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	1.4	0.3	4.3
2	6.9	6.2	7.5	6.1
3	8.8	9.2	0.0	0.0
4	14.7	9.3	5.1	3.3
5	8.1	9.0	6.3	2.7
6	8.0	9.2	8.1	5.9
7	7.0	8.7	8.1	4.5
8	0.0	0.4	0.0	0.1
9	6.0	2.6	2.7	2.4
10	5.0	4.9	1.4	0.8
11	7.6	8.7	7.1	3.4
12	4.3	2.2	3.7	2.6
13	7.7	8.1	0.8	2.3
14	5.1	3.7	0.7	0.1
15	4.5	6.1	1.8	2.0
16	6.8	0.0	0.0	0.0
17	6.1	0.2	0.0	0.0
18	3.5	6.0	1.5	0.5
19	4.7	5.0	0.0	0.0
20	0.0	0.0	0.0	0.6
21	0.0	0.0	2.0	3.2
22	6.4	6.6	1.7	3.0
23	1.3	3.1	7.7	7.9
24	8.6	9.2	7.7	2.7
25	7.1	8.7	7.0	5.4
26	7.4	7.5	0.0	0.0
27	0.0	7.9	4.0	4.9
28	0.0	7.9	0.2	0.0
29	0.0	6.0	0.0	0.0
30	0.0	0.9	2.1	1.3
31	0.0	0.1	0.0	0.0
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	145.7	158.8	.	70.0
 Daily Means	4.7	5.1	2.8	2.3
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: 2015 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	1.4	1.8	0.3	
2	5.9	5.6	0.0	
3	0.0	1.1	8.0	
4	0.2	2.6	4.6	
5	1.8	1.8	8.0	
6	3.5	0.0	2.3	
7	7.0	0.3	5.1	
8	0.0	0.0	0.0	
9	3.8	0.0	0.0	
10	0.0	0.0	0.0	
11	5.6	1.0	0.0	
12	4.4	1.8	0.0	
13	0.7	0.8	2.8	
14	0.0	2.1	0.0	
15	1.1	1.0	0.1	
16	0.0	1.0	3.1	
17	0.0	4.4	6.2	
18	0.4	4.5	3.7	
19	0.0	0.4	0.7	
20	3.6	0.7	0.0	
21	5.1	2.2	3.0	
22	0.0	1.5	3.2	
23	5.5	3.9	0.5	
24	2.5	1.7	4.7	
25	4.8	1.9	6.4	
26	0.0	0.9	0.0	
27	1.5	0.4	4.1	
28	0.0	1.5	0.0	
29	0.0	0.6	0.0	
30	2.6	0.0	0.0	
31	0.0	1.5	2.8	
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	61.4	47.0	69.6	
 Daily Means	2.0	1.5	2.2	
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: 2015		Country: CHILE	
Daily Totals					
Latitude	18°21' S	20°32' S	22°28' S	23°26' S	
Longitude	70°19'W	72°10' W	68°55' W	70°26' W	
Elevation	58 m	52 m	270 m	135 m	
Station	ARICA	IQUIQUE	CALAMA	ANTOFAGASTA	
Date					
1	5.1	6.8	10.4	7.1	
2	5.2	4.8	10.5	7.8	
3	5.4	5.9	10.5	7.9	
4	3.6	0.5	10.5	7.9	
5	2.2	0.7	10.5	4.5	
6	4.1	4.7	10.3	6.0	
7	10.5	9.7	10.8	9.0	
8	9.7	9.8	10.3	8.6	
9	6.0	2.8	10.3	8.2	
10	2.8	3.1	10.4	5.5	
11	5.4	8.5	10.2	7.5	
12	0.5	4.9	10.3	6.9	
13	2.9	5.3	10.4	1.4	
14	3.7	4.9	9.8	6.7	
15	1.6	4.8	9.9	8.2	
16	4.7	0.7	10.3	6.8	
17	3.5	8.4	9.9	8.6	
18	4.8	6.5	10.3	8.3	
19	3.9	3.8	10.1	5.1	
20	2.6	1.2	10.0	5.4	
21	8.6	7.4	10.3	7.4	
22	8.2	8.9	9.2	4.1	
23	6.9	4.3	7.5	5.0	
24	4.2	6.8	10.3	3.7	
25	3.9	6.9	10.4	8.4	
26	4.2	0.0	7.8	5.3	
27	1.4	0.0	7.6	0.0	
28	5.5	6.6	10.2	1.2	
29	5.0	2.3	4.0	2.4	
30	1.6	6.1	8.6	3.5	
31					
TT Monthly Totals					
Daily Means					
SS Monthly Totals	137.7	147.1	291.6	178.4	
Daily Means	4.6	4.9	9.7	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: 2015 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	5.7	2.1	10.3	0.0
2	5.9	4.2	8.3	1.5
3	7.4	4.8	8.9	4.8
4	3.6	8.0	8.3	0.0
5	4.2	6.8	7.6	8.5
6	6.8	4.1	9.6	8.4
7	6.3	4.1	5.1	5.2
8	6.9	7.8	7.7	8.3
9	7.5	5.6	9.2	1.8
10	6.6	8.0	9.0	7.2
11	6.9	5.8	9.0	8.5
12	8.4	6.8	8.9	7.5
13	6.5	1.5	9.0	8.1
14	9.2	6.2	9.1	8.2
15	8.0	0.2	9.0	8.7
16	5.5	5.9	7.0	8.7
17	6.8	0.0	8.7	8.6
18	9.2	0.0	7.0	8.5
19	6.6	5.7	6.3	6.3
20	4.8	6.6	8.7	8.6
21	0.7	1.4	1.2	0.0
22	0.9	6.2	4.5	5.9
23	4.9	3.8	4.7	4.2
24	8.7	1.5	8.5	6.4
25	9.0	1.8	9.1	7.1
26	8.8	6.0	8.3	8.1
27	0.1	7.4	1.2	8.2
28	0.0	6.3	3.6	8.4
29	6.0	7.9	7.6	8.6
30	6.8	4.2	8.3	4.2
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	178.7	140.7	223.7	188.5
 Daily Means	6.0	4.7	7.5	6.3
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: JUNE Year: 2015 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	2.0	0.0	0.0
2	1.3	0.0	4.5	0.2
3	4.3	0.9	7.3	5.3
4	0.0	0.0	0.0	0.0
5	6.8	1.6	7.1	1.6
6	6.8	5.8	0.0	1.8
7	6.3	4.4	7.8	4.8
8	7.2	1.6	6.9	0.0
9	0.8	1.3	5.9	0.0
10	4.6	1.3	6.8	7.9
11	7.0	6.3	6.8	6.3
12	6.7	2.7	8.0	0.0
13	7.6	1.1	9.2	2.5
14	7.0	2.9	9.2	7.4
15	7.4	6.1	9.0	6.7
16	7.7	0.6	8.6	3.5
17	7.3	5.2	8.1	4.3
18	7.5	4.4	8.3	4.1
19	5.9	6.6	8.4	4.0
20	7.4	4.7	9.0	7.6
21	7.4	3.3	0.0	0.0
22	5.1	2.5	6.8	3.1
23	4.2	1.6	2.7	5.0
24	6.5	0.7	7.9	6.7
25	6.6	0.0	9.0	8.1
26	7.0	4.5	8.7	5.3
27	7.5	4.7	8.5	3.3
28	7.8	4.2	8.0	1.6
29	7.5	3.2	8.5	6.4
30	3.0	2.3	6.6	4.7
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	172.2	86.5	197.6	112.2
 Daily Means	5.7	2.9	6.6	3.7
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: 2015 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	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	5.5	4.4	2.7
4	0.0	0.0	0.0	0.0
5	0.0	3.0	0.3	1.5
6	0.0	4.4	2.5	3.1
7	0.0	0.3	0.0	0.0
8	0.0	0.0	1.8	2.2
9	0.0	7.4	4.2	2.8
10	0.0	5.9	0.1	2.3
11	0.0	8.5	0.8	0.0
12	0.0	3.8	2.6	0.6
13	0.0	6.1	0.4	1.4
14	0.0	8.0	0.9	1.9
15	0.0	8.7	0.6	0.2
16	0.0	7.8	0.1	1.0
17	0.0	8.5	7.6	6.4
18	0.0	5.2	1.2	0.0
19	0.0	5.4	0.0	0.0
20	0.0	7.2	2.7	0.0
21	0.0	5.5	0.8	3.2
22	0.0	8.6	8.4	6.6
23	0.0	3.8	1.1	0.6
24	0.0	0.0	0.0	0.0
25	0.0	0.0	0.1	0.2
26	0.0	8.0	3.9	4.9
27	0.0	4.4	4.4	6.2
28	0.0	7.8	2.4	0.7
29	0.0	7.1	4.0	0.0
30	0.0	8.1	3.2	0.2
31				
TT Monthly Totals				
 Daily Means				
SS Monthly Totals	0.0	149.0	58.5	48.7
 Daily Means	0.0	5.0	2.0	1.6
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: 2015 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	3.0	0.0	
2	1.6	0.5	0.0	
3	0.6	2.0	0.0	
4	0.0	0.8	0.2	
5	1.4	1.3	0.2	
6	0.5	0.2	0.0	
7	1.9	2.7	5.8	
8	1.4	0.0	3.1	
9	3.7	1.1	4.4	
10	0.1	1.3	4.9	
11	3.7	0.3	5.2	
12	0.8	1.6	4.9	
13	0.2	0.8	0.9	
14	0.9	0.0	0.0	
15	0.1	1.4	0.0	
16	0.0	2.7	3.8	
17	5.3	3.7	2.4	
18	0.6	0.5	0.7	
19	0.0	1.2	0.0	
20	0.0	1.4	3.1	
21	4.2	2.6	3.0	
22	5.6	4.0	0.0	
23	1.3	0.0	5.2	
24	0.0	0.0	0.0	
25	0.0	0.0	4.7	
26	0.5	2.6	5.3	
27	4.9	0.6	0.0	
28	0.0	1.4	2.5	
29	0.0	3.1	4.1	
30	2.7	4.7	1.6	
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	42.0	45.5	66.0	
Daily Means	1.4	1.5	2.2	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	