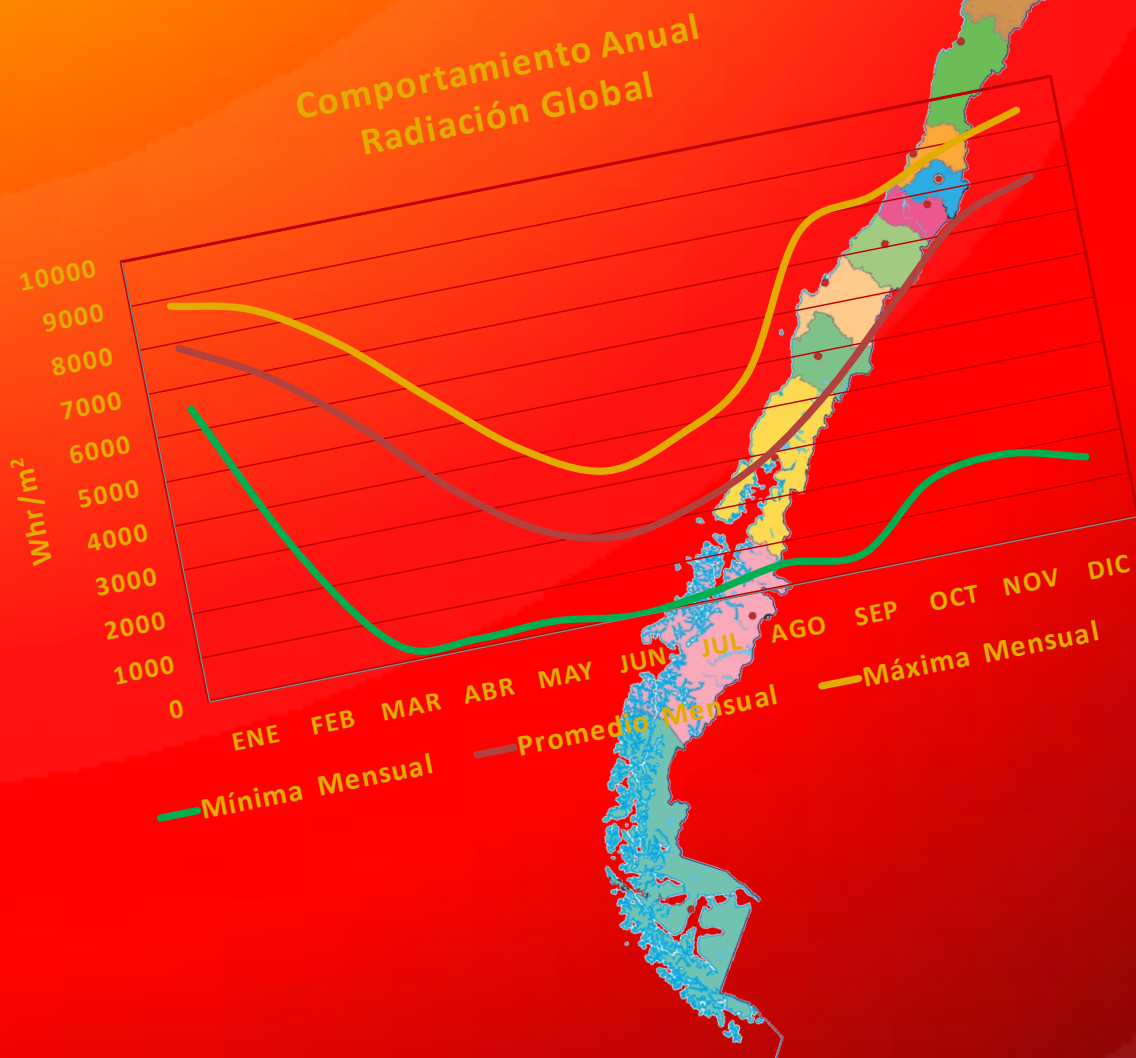




DIRECCIÓN METEOROLÓGICA DE CHILE

# INFORME SOLARIMÉTRICO

## II SEMESTRE 2008



CLIMATOLOGÍA Y METEOROLOGÍA APLICADA

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

Month: JULY Year: 2008 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	DESIERTO ATACAMA
Date				
1	11.49	15.93	14.23	9.75
2	10.59	15.96	14.77	12.90
3	11.91	15.88	14.56	7.06
4	13.34	15.97	14.46	10.55
5	11.55	15.62	14.76	9.90
6	10.42	15.47	14.62	14.90
7	10.75	15.59	15.76	14.24
8	13.29	15.95	14.18	14.76
9	12.53	15.79	15.17	9.29
10	13.50	15.62	15.40	11.57
11	15.52	15.40	15.50	12.92
12	10.00	15.57	11.47	11.96
13	7.44	16.19	16.15	15.75
14	9.59	16.11	12.07	4.55
15	15.15	15.76	12.76	3.68
16	13.75	15.92	12.30	7.75
17	9.59	16.16	14.96	16.04
18	10.08	16.28	10.63	2.99
19	15.62	16.39	16.64	12.72
20	14.47	16.48	16.21	15.44
21	13.92	16.25	16.91	15.33
22	12.67	16.42	13.44	14.59
23	13.31	16.74	16.13	16.86
24	14.51	17.05	16.38	16.69
25	16.49	17.25	16.33	15.03
26	13.60	17.44	17.30	13.92
27	12.42	17.22	16.67	16.16
28	8.76	16.67	15.44	16.52
29	7.43	16.23	15.67	12.52
30	17.72	17.23	16.89	4.36
31	10.35	17.16	15.42	10.55
<b>TT Monthly Totals</b>	<b>381.79</b>	<b>503.68</b>	<b>463.17</b>	<b>371.25</b>
<b> Daily Means</b>	<b>12.32</b>	<b>16.25</b>	<b>14.94</b>	<b>11.98</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: JULY Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	8.77	.	2.01	6.21
2	8.85	.	5.45	2.37
3	9.08	.	6.12	.
4	2.09	.	1.17	.
5	5.58	.	1.15	.
6	6.40	.	1.41	.
7	7.99	.	6.35	.
8	8.73	.	4.99	.
9	7.90	.	4.76	.
10	5.02	.	1.09	.
11	6.75	.	1.95	.
12	1.88	.	2.84	.
13	9.17	.	2.86	.
14	9.07	.	2.44	.
15	10.09	.	2.99	.
16	7.89	.	2.04	.
17	6.44	.	6.90	4.58
18	5.58	.	6.00	6.50
19	3.73	.	6.19	8.37
20	3.79	.	1.70	8.58
21	4.73	.	2.91	6.87
22	3.62	.	1.97	2.02
23	11.01	.	7.31	6.43
24	6.39	.	3.51	3.57
25	6.30	.	8.24	5.86
26	10.15	.	8.69	1.95
27	7.32	.	6.04	5.82
28	4.69	.	8.57	6.52
29	10.37	.	8.95	3.78
30	4.70	.	1.05	4.75
31	10.54	.	3.52	7.27
<b>TT Monthly Totals</b>	<b>214.62</b>	.	<b>131.21</b>	.
<b> Daily Means</b>	<b>6.92</b>	.	<b>4.23</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: JULY

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°00' S		
Longitude	72°07' W	70°51' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	5.74	1.03		
2	5.36	2.49		
3	3.43	2.69		
4	1.52	2.04		
5	4.26	2.28		
6	2.59	1.88		
7	1.76	2.47		
8	4.87	2.34		
9	5.71	3.06		
10	1.81	2.08		
11	2.46	0.78		
12	1.95	1.09		
13	2.22	2.14		
14	2.71	2.98		
15	1.85	0.75		
16	2.71	2.38		
17	5.65	3.40		
18	5.91	1.30		
19	6.49	1.61		
20	2.23	3.06		
21	2.78	1.89		
22	0.57	1.84		
23	3.84	0.67		
24	4.34	1.23		
25	5.78	3.76		
26	2.08	3.85		
27	2.52	1.60		
28	4.39	3.23		
29	5.28	2.85		
30	7.10	3.16		
31	7.55	4.62		
<b>TT Monthly Totals</b>	<b>117.47</b>	<b>70.56</b>		
<b> Daily Means</b>	<b>3.79</b>	<b>2.28</b>		
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>		

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

Month: AUGUST

Year: 2008

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	DESIERTO ATACAMA
Date				
1	17.12	17.19	17.77	15.90
2	17.74	17.43	15.39	17.22
3	13.72	17.71	15.89	17.19
4	15.62	17.88	15.95	6.72
5	12.55	18.17	16.54	16.51
6	13.18	18.02	16.35	14.39
7	8.77	18.15	18.50	16.40
8	12.57	15.16	18.53	17.46
9	8.96	17.78	18.20	16.85
10	6.85	18.21	11.40	9.70
11	9.26	17.94	2.50	11.11
12	13.01	18.32	17.98	18.48
13	9.05	18.70	17.05	12.38
14	14.82	18.69	14.60	16.60
15	16.44	18.91	17.84	17.44
16	16.05	19.21	18.30	18.67
17	12.62	19.33	13.25	9.50
18	13.56	19.53	9.02	11.69
19	14.03	19.74	18.80	7.80
20	15.33	19.97	19.96	20.40
21	9.96	20.15	19.06	20.69
22	13.90	20.01	20.04	16.64
23	13.74	20.21	20.78	18.45
24	19.44	20.42	19.38	18.59
25	20.03	20.44	21.13	15.24
26	16.92	19.95	18.85	8.25
27	15.34	20.36	19.05	15.18
28	19.57	20.95	22.63	21.92
29	20.90	20.95	22.02	21.87
30	20.35	21.16	20.78	18.63
31	19.42	21.13	22.57	19.72
<b>TT Monthly Totals</b>	<b>450.85</b>	<b>591.78</b>	<b>540.10</b>	<b>487.60</b>
<b> Daily Means</b>	<b>14.54</b>	<b>19.09</b>	<b>17.42</b>	<b>15.73</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	2.62	.	2.38	2.04
2	10.77	.	2.65	3.27
3	11.34	.	2.12	6.82
4	4.86	.	9.05	7.73
5	12.50	.	8.38	2.97
6	11.34	.	8.44	5.50
7	11.42	.	9.89	6.92
8	11.37	.	9.36	2.43
9	9.00	.	3.90	2.42
10	4.19	.	6.39	4.04
11	4.83	.	9.50	9.17
12	13.40	.	10.08	3.08
13	5.25	.	3.53	6.62
14	2.68	.	1.73	2.12
15	0.71	.	4.22	4.32
16	10.19	.	10.34	7.96
17	13.77	.	11.29	3.31
18	5.64	.	10.68	6.54
19	12.50	.	4.07	4.52
20	13.99	.	10.42	8.73
21	13.31	.	11.53	6.96
22	13.97	.	11.94	12.76
23	4.82	.	4.25	2.96
24	15.26	.	6.71	2.56
25	14.82	.	3.03	1.84
26	12.05	.	9.28	4.66
27	8.74	.	3.10	5.67
28	15.42	.	4.92	6.03
29	14.47	.	4.67	8.79
30	16.03	.	6.78	1.83
31	14.68	.	4.26	3.48
<b>TT Monthly Totals</b>	<b>315.96</b>	.	<b>208.91</b>	<b>158.05</b>
<b> Daily Means</b>	<b>10.19</b>	.	<b>6.74</b>	<b>5.10</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°00' S		
Longitude	72°07' W	70°51' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	7.37	5.17		
2	4.77	5.95		
3	3.85	4.41		
4	7.07	5.79		
5	3.08	6.58		
6	5.05	2.63		
7	8.68	5.11		
8	7.72	3.93		
9	1.25	5.89		
10	4.43	3.20		
11	7.40	4.46		
12	6.76	5.57		
13	6.71	6.20		
14	4.50	5.20		
15	4.61	3.81		
16	9.53	4.33		
17	8.13	6.16		
18	10.23	7.13		
19	5.60	8.25		
20	5.71	7.86		
21	7.60	4.72		
22	6.14	1.96		
23	10.64	3.54		
24	5.64	3.32		
25	5.58	5.80		
26	8.31	1.80		
27	8.64	2.29		
28	6.82	5.43		
29	3.58	1.66		
30	5.76	2.89		
31	9.27	2.46		
<b>TT Monthly Totals</b>	<b>200.40</b>	<b>143.50</b>		
<b> Daily Means</b>	<b>6.46</b>	<b>4.63</b>		
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>		

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

Month: SEPTEMBER Year: 2008 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	DESIERTO ATACAMA
Date				
1	21.91	21.21	22.44	15.71
2	21.36	20.65	13.11	18.03
3	7.91	20.51	6.05	9.68
4	12.27	13.65	13.83	7.27
5	13.75	20.71	23.72	22.79
6	16.00	21.82	23.79	22.74
7	14.29	22.03	21.47	21.69
8	19.85	22.20	23.04	19.38
9	16.91	22.38	23.04	19.95
10	16.77	22.62	21.22	20.73
11	18.81	22.47	22.60	22.30
12	17.93	22.68	23.83	22.24
13	16.24	22.69	23.17	20.20
14	24.40	22.96	23.21	20.52
15	18.15	23.11	23.36	19.24
16	19.07	23.05	24.42	15.01
17	18.51	23.03	23.50	17.66
18	15.33	23.32	23.25	21.46
19	18.54	23.57	25.05	24.65
20	21.56	24.11	25.45	25.35
21	22.27	24.20	20.19	11.81
22	20.38	24.02	25.14	18.40
23	23.57	23.96	23.09	13.85
24	17.07	24.09	22.70	20.22
25	24.26	28.36	24.25	19.10
26	22.61	28.61	24.69	24.93
27	15.91	28.52	22.87	26.16
28	13.39	24.60	21.81	21.46
29	19.81	27.31	24.83	24.57
30	16.86	28.02	17.65	18.18
31				
<b>TT Monthly Totals</b>	<b>545.67</b>	<b>700.45</b>	<b>656.78</b>	<b>585.29</b>
<b> Daily Means</b>	<b>18.19</b>	<b>23.35</b>	<b>21.89</b>	<b>19.51</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>



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

Month: SEPTEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	.	.	1.75	12.00
2	.	.	9.36	10.99
3	.	.	13.29	10.86
4	.	.	13.36	15.96
5	.	.	9.57	13.01
6	.	.	10.34	9.73
7	.	.	6.55	6.22
8	.	.	13.75	.
9	.	.	8.02	.
10	.	.	6.81	.
11	.	.	14.49	.
12	.	.	14.97	.
13	.	.	12.63	.
14	.	.	14.60	.
15	.	.	14.80	.
16	.	.	7.37	.
17	.	.	12.10	.
18	.	.	12.49	.
19	.	.	15.40	.
20	.	.	15.52	.
21	.	.	15.14	.
22	.	.	10.62	.
23	.	.	11.78	.
24	.	.	16.13	.
25	.	.	13.05	.
26	.	.	7.47	.
27	.	.	16.12	.
28	.	.	16.75	.
29	.	.	15.87	.
30	.	.	14.81	.
31	.	.		
<b>TT Monthly Totals</b>	.	.	<b>364.93</b>	.
<b> Daily Means</b>	.	.	<b>12.16</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: SEPTEMBER

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°00' S		
Longitude	72°07' W	70°51' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	2.61	4.46		
2	5.54	7.64		
3	12.78	7.65		
4	11.85	7.87		
5	11.80	8.18		
6	7.71	7.23		
7	8.40	11.26		
8	10.78	7.78		
9	9.31	8.16		
10	13.93	12.81		
11	13.67	9.16		
12	13.28	11.56		
13	13.46	6.74		
14	12.47	8.63		
15	11.65	6.80		
16	13.59	4.52		
17	15.45	12.56		
18	13.70	13.64		
19	10.07	11.13		
20	12.83	5.13		
21	14.24	7.39		
22	12.91	13.06		
23	8.53	9.09		
24	8.42	11.86		
25	14.51	9.38		
26	17.43	5.18		
27	16.24	15.25		
28	16.72	12.64		
29	16.88	6.02		
30	16.28	8.78		
31				
TT Monthly Totals	367.06	271.55		
Daily Means	12.24	9.05		
SS Monthly Totals				
Daily Means				
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY		

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

Month: OCTOBER Year: 2008 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	DESIERTO ATACAMA
Date				
1	19.31	28.98	22.28	26.71
2	15.30	29.14	22.51	12.07
3	19.05	28.84	24.36	7.79
4	21.38	29.50	26.58	25.19
5	21.34	30.02	26.93	24.83
6	24.18	29.84	26.60	26.94
7	19.96	29.94	27.28	9.26
8	21.51	30.05	23.50	17.32
9	19.82	30.11	22.01	6.09
10	19.16	29.93	23.68	8.81
11	21.40	29.80	25.37	16.17
12	19.07	30.10	26.14	24.71
13	16.21	30.24	28.43	26.81
14	19.76	30.08	24.58	25.27
15	23.22	29.04	26.21	25.25
16	22.18	26.57	24.43	19.68
17	20.06	30.34	25.64	17.71
18	21.89	30.47	27.67	17.38
19	20.99	30.51	27.59	18.47
20	22.47	30.71	26.98	20.19
21	20.83	31.11	25.94	23.35
22	18.62	30.86	28.55	21.31
23	21.68	29.26	27.45	20.40
24	22.34	26.93	24.04	20.00
25	23.46	31.15	29.67	29.02
26	21.62	31.10	28.84	28.44
27	19.68	31.32	30.70	21.52
28	19.77	30.87	24.95	21.33
29	20.40	31.35	29.47	21.27
30	27.93	31.44	30.48	17.50
31	27.30	31.66	30.67	25.59
<b>TT Monthly Totals</b>	<b>651.91</b>	<b>931.27</b>	<b>819.52</b>	<b>626.39</b>
<b> Daily Means</b>	<b>21.03</b>	<b>30.04</b>	<b>26.44</b>	<b>20.21</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: OCTOBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	.	.	11.35	.
2	.	.	10.32	.
3	.	.	16.92	.
4	.	.	18.06	.
5	.	.	17.73	.
6	.	.	18.10	.
7	.	.	16.23	.
8	.	.	5.40	.
9	.	.	16.27	.
10	.	.	6.51	.
11	7.40	.	18.45	.
12	14.99	.	12.49	.
13	12.78	.	18.93	.
14	22.46	.	19.17	.
15	23.22	.	19.37	.
16	23.19	.	19.51	.
17	22.85	.	19.84	.
18	22.78	.	19.29	.
19	21.92	.	12.20	.
20	20.47	.	11.45	.
21	24.73	.	20.45	.
22	24.92	.	20.57	.
23	24.92	.	20.27	.
24	24.78	.	20.32	.
25	5.83	.	8.77	.
26	21.06	.	18.71	.
27	23.55	.	14.80	.
28	22.39	.	13.19	.
29	25.52	.	21.52	.
30	25.36	.	21.07	.
31	22.96	.	21.05	.
<b>TT Monthly Totals</b>	.	.	<b>508.31</b>	.
<b> Daily Means</b>	.	.	<b>16.40</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

**DIRECCION METEOROLOGICA DE CHILE  
SUBDIRECCION DE CLIMAT. Y MET. APLICADA  
DEPTO. CLIMATOLOGIA**

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

**Month: OCTOBER**

**Year: 2008**

**Country: CHILE**

<b>Daily Totals</b>				
<b>Latitude</b>	<b>45°35' S</b>	<b>53°00' S</b>		
<b>Longitude</b>	<b>72°07' W</b>	<b>70°51' W</b>		
<b>Elevation</b>	<b>310 m</b>	<b>37 m</b>		
<b>Station</b>	<b>COYHAIQUE</b>	<b>PUNTA ARENAS</b>		
<b>Date</b>				
<b>1</b>	13.02	5.52		
<b>2</b>	13.00	13.12		
<b>3</b>	18.15	13.10		
<b>4</b>	13.34	8.96		
<b>5</b>	11.64	16.43		
<b>6</b>	15.22	14.19		
<b>7</b>	13.77	11.05		
<b>8</b>	16.15	11.85		
<b>9</b>	16.58	15.17		
<b>10</b>	7.68	8.64		
<b>11</b>	9.66	6.85		
<b>12</b>	20.09	12.85		
<b>13</b>	19.60	9.58		
<b>14</b>	20.70	17.41		
<b>15</b>	20.94	13.71		
<b>16</b>	16.50	20.25		
<b>17</b>	13.28	11.51		
<b>18</b>	21.84	11.63		
<b>19</b>	5.19	20.55		
<b>20</b>	9.87	18.47		
<b>21</b>	13.87	16.16		
<b>22</b>	18.79	15.68		
<b>23</b>	16.50	15.96		
<b>24</b>	23.19	18.35		
<b>25</b>	15.71	17.95		
<b>26</b>	18.02	14.87		
<b>27</b>	17.50	10.66		
<b>28</b>	23.61	13.37		
<b>29</b>	13.22	12.07		
<b>30</b>	13.01	21.38		
<b>31</b>	19.56	16.07		
<b>TT Monthly Totals</b>	<b>489.21</b>	<b>433.38</b>		
<b> Daily Means</b>	<b>15.78</b>	<b>13.98</b>		
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>		

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

Month: NOVEMBER

Year: 2008

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	DESIERTO ATACAMA
Date				
1	22.04	31.34	28.09	28.25
2	19.37	31.74	25.64	27.88
3	27.12	31.83	27.56	25.78
4	26.29	31.47	28.12	23.19
5	25.66	32.13	26.31	22.63
6	27.71	30.16	29.44	28.08
7	18.09	32.20	28.36	26.93
8	18.28	31.87	28.99	28.68
9	27.61	30.95	31.16	23.87
10	28.03	32.66	31.23	18.89
11	28.42	32.74	29.68	16.40
12	28.71	32.67	29.92	10.76
13	28.64	32.56	29.84	11.98
14	27.31	32.08	24.38	23.77
15	28.30	31.92	31.39	29.85
16	29.07	32.64	30.54	31.15
17	28.62	32.90	31.94	27.19
18	19.30	32.94	29.47	29.58
19	24.89	32.76	30.42	24.72
20	26.46	32.84	31.65	23.10
21	24.04	32.87	26.76	15.17
22	27.31	32.40	31.98	19.95
23	26.45	32.93	29.96	18.75
24	23.33	32.88	31.46	19.68
25	20.64	32.83	30.31	12.37
26	28.92	32.45	29.65	10.83
27	28.16	31.96	30.92	15.29
28	27.93	31.75	32.13	31.91
29	27.93	31.89	29.74	29.68
30	23.21	32.18	31.60	21.60
31				
<b>TT Monthly Totals</b>	<b>767.83</b>	<b>966.51</b>	<b>888.64</b>	<b>677.89</b>
<b> Daily Means</b>	<b>25.59</b>	<b>32.22</b>	<b>29.62</b>	<b>22.60</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: NOVEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	23.83	.	20.49	.
2	25.55	.	19.73	.
3	25.68	.	21.48	.
4	25.35	.	21.66	.
5	25.95	.	11.83	.
6	26.09	.	17.39	.
7	19.21	.	12.54	.
8	27.07	.	13.47	.
9	27.59	.	22.14	.
10	27.55	.	21.94	.
11	27.43	.	22.53	.
12	27.12	.	21.89	.
13	27.21	.	17.60	.
14	9.70	.	17.28	.
15	21.85	.	22.72	.
16	27.59	.	22.92	.
17	27.60	.	23.15	.
18	27.52	.	22.54	.
19	27.65	.	20.32	.
20	27.78	.	21.37	.
21	27.76	.	14.53	.
22	27.57	.	18.80	.
23	28.03	.	18.42	.
24	27.82	.	23.24	.
25	28.41	.	22.72	.
26	28.40	.	8.89	.
27	21.16	.	21.55	.
28	27.89	.	4.90	.
29	28.54	.	23.22	.
30	28.88	.	23.62	.
31				
TT Monthly Totals	779.75	.	574.85	.
Daily Means	25.99	.	19.16	.
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: NOVEMBER

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°00' S		
Longitude	72°07' W	70°51' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	20.89	17.19		
2	18.23	21.72		
3	16.96	15.03		
4	5.60	24.19		
5	15.60	22.98		
6	15.11	9.58		
7	3.65	15.58		
8	17.19	18.58		
9	22.48	20.27		
10	26.07	13.82		
11	20.95	17.23		
12	25.92	13.80		
13	23.16	26.59		
14	27.50	22.22		
15	23.90	17.26		
16	17.47	26.62		
17	27.13	24.78		
18	26.39	18.30		
19	25.67	24.40		
20	11.94	15.76		
21	11.15	17.63		
22	17.99	22.39		
23	17.75	21.23		
24	18.79	21.85		
25	28.17	15.83		
26	20.97	8.93		
27	9.53	14.51		
28	20.61	27.22		
29	24.10	10.53		
30	25.94	21.02		
31				
TT Monthly Totals	586.82	567.05		
Daily Means	19.56	18.90		
SS Monthly Totals				
Daily Means				
Types of Instruments	PYRANOMETER PSP EPPLEY	PYRANOMETER PSP EPPLEY		



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

Month: DECEMBER Year: 2008 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	DESIERTO ATACAMA
Date				
1	28.02	32.19	32.27	20.12
2	24.84	31.75	31.14	27.24
3	28.51	31.59	31.27	25.73
4	28.61	31.55	31.26	31.02
5	24.94	32.44	31.31	25.24
6	24.73	32.37	29.35	28.28
7	27.96	27.71	28.96	27.28
8	23.39	30.71	31.33	30.91
9	25.68	25.57	29.27	31.78
10	27.10	29.11	30.08	29.48
11	22.49	31.54	29.02	21.97
12	22.05	30.38	31.38	27.47
13	28.37	32.11	28.27	25.68
14	27.53	32.25	31.86	10.12
15	23.28	32.19	31.44	13.91
16	28.07	31.99	31.88	20.11
17	27.96	32.09	31.43	31.86
18	27.88	31.82	31.02	26.00
19	27.86	31.94	30.08	25.29
20	26.89	31.82	30.15	22.71
21	28.32	31.92	31.98	30.60
22	28.31	31.41	31.60	22.80
23	27.37	31.47	31.01	19.23
24	24.33	28.36	31.45	22.80
25	26.53	31.64	32.39	27.96
26	26.13	30.90	30.35	28.09
27	27.17	31.05	31.63	30.88
28	22.56	29.79	31.15	31.69
29	27.64	24.09	32.83	31.50
30	27.04	30.71	30.69	29.33
31	26.63	31.31	30.48	25.80
<b>TT Monthly Totals</b>	<b>818.20</b>	<b>955.78</b>	<b>958.35</b>	<b>802.89</b>
<b> Daily Means</b>	<b>26.39</b>	<b>30.83</b>	<b>30.91</b>	<b>25.90</b>
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: DECEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°27' S	34°58' S	36°46' S	41°25' S
Longitude	70°42' W	71°14' W	73°03' W	73°05' W
Elevation	520 m	228 m	12 m	85 m
Station	QUINTA NORMAL	CURICO	CONCEPCION	PUERTO MONTT
Date				
1	26.22	.	13.12	.
2	29.18	.	10.77	.
3	18.15	.	5.33	.
4	28.29	.	15.51	.
5	28.94	.	6.54	.
6	29.01	.	7.43	.
7	24.13	.	14.43	.
8	29.43	.	20.86	.
9	29.71	.	23.76	.
10	29.43	.	24.16	.
11	27.73	.	23.68	.
12	28.27	.	22.35	.
13	29.24	.	20.24	.
14	29.20	.	22.56	.
15	22.68	.	23.95	.
16	20.17	.	17.24	.
17	24.53	.	24.71	.
18	27.28	.	24.48	.
19	28.81	.	21.06	.
20	25.69	.	7.79	.
21	29.72	.	24.65	.
22	29.78	.	24.51	.
23	29.65	.	24.37	.
24	29.67	.	24.39	.
25	30.01	.	24.69	.
26	31.50	.	24.30	.
27	28.53	.	10.25	.
28	29.59	.	24.12	.
29	29.62	.	24.41	.
30	29.43	.	24.01	.
31	28.89	.	24.56	.
<b>TT Monthly Totals</b>	<b>862.48</b>	.	<b>604.24</b>	.
<b> Daily Means</b>	<b>27.82</b>	.	<b>19.49</b>	.
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>

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

Month: DECEMBER

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°00' S		
Longitude	72°07' W	70°51' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	28.09	21.21		
2	25.39	27.24		
3	24.14	22.96		
4	28.25	19.59		
5	28.00	29.50		
6	28.17	28.13		
7	29.30	29.35		
8	27.05	28.15		
9	23.54	23.23		
10	28.83	22.78		
11	28.69	16.33		
12	26.77	27.51		
13	26.21	12.95		
14	25.51	9.36		
15	24.45	20.50		
16	16.56	19.09		
17	13.10	12.62		
18	27.50	20.94		
19	9.85	8.24		
20	13.92	10.32		
21	16.56	28.99		
22	16.45	23.33		
23	17.44	25.43		
24	11.40	20.29		
25	29.19	26.87		
26	13.74	26.59		
27	24.66	22.92		
28	20.36	21.53		
29	17.54	22.00		
30	29.90	26.63		
31	29.41	24.21		
<b>TT Monthly Totals</b>	<b>709.99</b>	<b>678.82</b>		
<b> Daily Means</b>	<b>22.90</b>	<b>21.90</b>		
<b>SS Monthly Totals</b>				
<b> Daily Means</b>				
<b>Types of Instruments</b>	<b>PYRANOMETER PSP EPPLEY</b>	<b>PYRANOMETER PSP EPPLEY</b>		

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

Month: JULY Year: 2008 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	4.3	3.1	9.3	6.9
2	4.0	7.1	9.1	6.7
3	4.5	2.6	9.4	7.3
4	6.2	6.2	9.4	7.1
5	4.9	6.3	9.1	7.3
6	3.9	7.5	9.2	7.4
7	4.3	5.6	9.1	8.4
8	4.9	1.3	9.3	6.9
9	4.6	4.8	9.3	7.6
10	6.2	4.9	9.2	7.9
11	7.0	9.5	9.3	8.5
12	2.7	7.8	9.4	4.6
13	2.2	3.9	9.6	8.5
14	1.7	3.0	9.5	4.5
15	7.3	7.8	9.5	5.6
16	5.9	8.6	9.0	4.1
17	2.7	3.0	9.5	6.5
18	3.9	3.2	9.6	2.9
19	6.4	9.4	9.6	9.0
20	7.2	7.4	9.5	8.4
21	5.2	9.6	9.6	9.8
22	3.6	9.6	8.7	5.6
23	4.6	7.1	9.6	7.8
24	5.4	3.6	9.8	8.7
25	7.0	8.6	9.9	8.0
26	5.3	7.2	9.8	9.4
27	4.3	6.1	9.8	8.0
28	2.4	2.4	9.7	6.8
29	0.4	0.2	9.5	6.8
30	7.9	6.9	9.9	8.6
31	2.7	5.5	9.5	6.3
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	143.6	179.8	292.7	221.9
<b> Daily Means</b>	4.6	5.8	9.4	7.2
<b>Types of Instruments</b>	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: JULY Year: 2008 Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	0.0	1.5	8.0	7.0
2	8.7	4.2	8.1	7.0
3	8.3	0.0	8.4	6.8
4	4.4	1.1	0.0	0.0
5	6.4	8.6	2.3	0.1
6	5.7	6.6	4.1	3.0
7	6.1	6.0	4.8	5.9
8	7.7	8.7	7.3	5.5
9	5.0	0.6	7.2	6.7
10	6.2	4.6	0.8	1.5
11	6.2	2.4	2.9	3.1
12	6.3	3.2	0.2	0.3
13	6.0	9.2	5.3	4.6
14	7.2	1.0	7.0	6.4
15	3.9	0.0	8.6	7.1
16	1.3	6.1	4.8	5.3
17	0.7	9.4	.	3.3
18	3.6	2.2	1.8	1.5
19	8.2	2.5	0.0	0.0
20	3.3	3.5	0.0	0.1
21	9.0	3.8	0.9	0.3
22	7.5	5.4	0.0	0.1
23	1.7	9.1	9.1	7.4
24	7.1	9.3	1.0	1.6
25	9.5	3.7	2.3	1.5
26	9.2	9.0	8.8	8.2
27	6.6	8.7	3.4	2.7
28	9.7	2.4	0.0	0.0
29	9.2	3.2	8.3	7.0
30	8.9	0.0	0.3	0.1
31	8.6	8.2	8.4	7.2
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>192.2</b>	<b>144.2</b>	<b>.</b>	<b>111.3</b>
<b> Daily Means</b>	<b>6.2</b>	<b>4.7</b>	<b>4.1</b>	<b>3.6</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: JULY Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	0.2	8.3	0.0	0.0
2	1.5	2.6	0.0	1.8
3	0.0	4.6	0.0	0.0
4	0.0	0.0	0.0	0.0
5	0.0	0.4	0.0	0.0
6	5.5	3.3	0.0	0.2
7	1.6	0.0	2.6	0.0
8	6.3	6.1	4.9	5.7
9	2.9	1.7	6.9	0.6
10	1.3	0.5	0.0	0.0
11	5.2	0.0	0.0	0.0
12	0.9	0.0	0.0	0.4
13	0.0	6.5	8.0	0.0
14	0.0	0.0	3.2	1.8
15	0.4	0.0	2.9	2.0
16	2.6	1.7	2.2	0.0
17	5.4	8.3	8.1	4.8
18	5.7	1.7	0.6	2.4
19	1.8	0.0	0.0	0.4
20	0.3	0.5	0.0	0.0
21	1.8	1.7	2.8	1.1
22	6.2	2.4	0.0	0.2
23	6.6	9.3	6.0	6.7
24	1.9	3.2	0.0	0.1
25	6.7	4.2	2.7	1.1
26	4.0	7.9	4.4	0.4
27	6.9	5.8	6.6	6.3
28	4.9	7.0	6.0	7.2
29	6.2	9.7	5.1	7.4
30	1.6	0.0	0.0	0.0
31	2.3	6.3	6.9	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>90.7</b>	<b>103.7</b>	<b>79.9</b>	<b>50.6</b>
<b> Daily Means</b>	<b>2.9</b>	<b>3.3</b>	<b>2.6</b>	<b>1.6</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: JULY Year: 2008 Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	.	0.8	4.4	2.7
2	4.1	1.3	0.0	0.0
3	5.8	5.8	2.8	0.0
4	0.0	0.9	0.0	0.0
5	0.0	0.0	0.3	0.6
6	0.0	0.0	1.2	4.0
7	4.8	0.7	0.1	0.0
8	2.1	0.2	1.0	2.8
9	2.4	0.0	0.8	1.5
10	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0
12	2.0	0.2	0.0	1.3
13	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0
15	0.5	4.4	0.0	0.0
16	0.3	2.8	0.6	0.5
17	7.2	5.4	5.6	2.3
18	4.9	3.4	0.5	5.9
19	3.6	1.4	3.4	5.4
20	0.1	0.3	5.1	6.0
21	1.1	0.9	0.1	4.6
22	0.0	0.4	0.0	0.0
23	7.2	4.7	5.5	5.0
24	0.2	2.0	4.2	3.1
25	8.0	6.6	4.2	3.3
26	7.9	5.3	2.9	0.1
27	4.8	6.9	1.7	3.8
28	8.4	2.5	3.9	5.0
29	8.8	5.3	2.5	0.0
30	0.0	0.0	0.1	1.8
31	0.1	2.3	0.9	4.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>84.3</b>	<b>64.5</b>	<b>51.8</b>	<b>63.7</b>
<b> Daily Means</b>	<b>2.8</b>	<b>2.1</b>	<b>1.7</b>	<b>2.1</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: JULY

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°08' S		
Longitude	72°07'W	70°58' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	6.2	0.0		
2	0.9	5.1		
3	2.5	5.2		
4	0.0	3.4		
5	3.7	4.0		
6	1.0	1.4		
7	0.6	4.7		
8	4.4	3.7		
9	1.4	7.1		
10	0.3	0.0		
11	0.0	.		
12	0.0	0.0		
13	0.5	2.6		
14	1.9	6.0		
15	0.1	0.0		
16	0.4	0.7		
17	6.8	4.7		
18	6.2	0.0		
19	5.7	0.0		
20	0.2	4.5		
21	0.0	.		
22	0.0	0.3		
23	3.9	0.0		
24	1.2	0.0		
25	6.1	5.6		
26	0.0	5.4		
27	0.3	0.0		
28	3.0	3.6		
29	3.4	.		
30	7.9	3.2		
31	7.7	7.4		
TT Monthly Totals				
Daily Means				
SS Monthly Totals	76.3	.		
Daily Means	2.5	2.8		
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES		



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

Month: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	18°21' S	20°32' S	22°28' S	23°26' S
Longitude	70°19'W	72°10' W	68°55' W	70°26' W
Elevation	58 m	52 m	270 m	135 m
Station	ARICA	IQUIQUE	CALAMA	ANTOFAGASTA
Date				
1	6.9	8.9	9.6	8.9
2	7.9	6.4	9.8	7.5
3	7.6	1.5	9.9	6.4
4	5.1	0.0	10.3	6.5
5	5.2	8.7	10.3	6.1
6	4.0	7.5	10.3	7.3
7	0.1	3.7	10.0	7.1
8	3.1	7.9	7.0	8.7
9	0.0	0.0	10.2	8.6
10	0.0	0.0	10.3	1.0
11	0.3	0.0	10.5	0.0
12	4.4	5.6	10.5	7.9
13	0.2	6.7	10.6	6.7
14	4.4	8.4	10.7	5.7
15	5.6	7.9	10.7	6.8
16	4.4	6.9	10.7	6.9
17	3.6	3.2	10.8	4.6
18	4.3	5.3	10.7	1.6
19	4.7	3.9	10.7	7.4
20	4.8	6.0	10.7	8.8
21	0.9	3.7	10.9	8.1
22	3.4	5.9	10.7	8.2
23	3.0	9.3	10.9	9.5
24	6.8	7.8	11.0	7.6
25	7.5	9.7	11.0	8.3
26	5.4	9.7	11.3	6.9
27	5.1	4.8	11.0	6.0
28	7.0	8.1	11.2	10.0
29	7.4	4.0	11.1	9.9
30	7.3	4.2	11.2	7.7
31	6.9	9.0	10.7	10.5
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	137.3	174.7	325.3	217.2
<b> Daily Means</b>	4.4	5.6	10.5	7.0
<b>Types of Instruments</b>	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: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	8.0	0.0	0.0	0.0
2	7.7	9.2	6.8	7.0
3	3.1	8.5	5.3	6.6
4	7.1	5.6	2.4	2.6
5	5.1	7.6	7.4	6.5
6	2.9	4.5	8.7	6.9
7	6.5	9.9	8.2	7.0
8	0.9	8.5	7.8	6.2
9	1.3	6.9	2.5	2.2
10	3.8	4.6	0.0	2.2
11	7.2	1.2	3.5	2.2
12	2.5	9.5	8.5	7.5
13	2.2	0.0	0.0	0.1
14	2.7	0.3	0.0	0.0
15	7.5	9.8	0.0	0.0
16	1.5	0.0	7.0	6.0
17	8.9	0.3	9.2	7.5
18	0.9	2.2	2.5	0.8
19	0.0	5.4	7.3	6.9
20	3.9	9.9	9.9	7.8
21	9.0	10.0	9.2	8.1
22	9.8	2.3	8.8	8.0
23	8.8	5.7	1.4	1.4
24	9.0	10.0	8.2	8.3
25	4.4	2.0	9.4	8.1
26	9.8	6.9	3.2	5.8
27	7.5	4.6	4.6	3.8
28	4.5	9.9	8.1	7.3
29	5.2	10.8	7.5	7.4
30	9.1	7.7	9.9	8.6
31	7.1	2.6	8.1	6.9
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>167.9</b>	<b>176.4</b>	<b>175.4</b>	<b>159.7</b>
<b> Daily Means</b>	<b>5.4</b>	<b>5.7</b>	<b>5.7</b>	<b>5.2</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: AUGUST Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	1.9	0.0	0.0	0.0
2	6.6	1.8	0.7	0.4
3	4.4	7.1	8.6	0.0
4	3.9	6.0	7.8	7.1
5	0.6	10.0	7.0	8.9
6	3.8	10.1	6.3	5.2
7	3.2	9.6	8.4	9.6
8	3.9	9.5	8.2	8.0
9	3.5	1.1	0.0	0.4
10	4.4	3.0	0.0	3.0
11	3.1	8.4	7.7	3.5
12	0.3	10.3	7.7	8.9
13	0.0	0.3	0.0	0.0
14	0.0	0.0	0.0	0.3
15	2.1	0.0	0.0	0.0
16	4.4	8.2	6.2	6.1
17	5.3	10.1	5.3	6.7
18	5.8	0.0	0.3	7.6
19	6.8	3.5	0.4	0.0
20	5.9	10.7	3.7	4.5
21	5.0	10.6	6.0	9.2
22	4.3	9.5	6.1	10.2
23	2.5	10.2	4.3	3.2
24	0.0	9.3	9.8	5.1
25	1.1	10.8	0.0	2.5
26	8.1	1.2	0.0	6.3
27	7.1	5.7	2.4	1.5
28	3.0	8.4	6.9	4.0
29	7.9	8.9	0.3	0.3
30	3.5	9.6	7.8	3.9
31	0.1	8.6	7.3	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>112.5</b>	<b>202.5</b>	<b>129.2</b>	<b>126.4</b>
<b> Daily Means</b>	<b>3.6</b>	<b>6.5</b>	<b>4.2</b>	<b>4.1</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	0.0	0.0	0.0	0.0
2	0.4	4.1	0.3	0.0
3	0.0	0.0	1.2	4.8
4	8.5	7.0	7.4	5.7
5	5.9	0.2	0.0	0.0
6	7.2	2.2	2.9	3.9
7	9.6	8.1	4.9	4.3
8	8.1	3.6	0.0	0.0
9	0.1	0.0	0.0	0.1
10	5.9	2.8	3.4	0.6
11	9.2	5.1	6.7	6.8
12	8.0	1.8	2.5	0.2
13	0.1	0.0	0.0	3.3
14	0.0	0.0	0.0	0.0
15	3.0	4.1	3.4	2.1
16	8.6	7.2	7.8	6.9
17	9.8	6.0	2.1	0.9
18	8.3	1.5	0.8	3.4
19	1.8	0.0	0.0	0.5
20	9.2	8.2	6.5	5.2
21	9.7	8.4	1.3	3.2
22	10.2	7.6	6.8	8.8
23	1.3	3.1	1.2	0.0
24	2.5	0.0	0.0	0.0
25	0.0	3.4	0.0	0.0
26	6.7	5.8	3.8	2.0
27	1.9	0.1	0.6	2.7
28	0.7	0.5	1.3	1.2
29	0.0	0.0	0.0	5.4
30	0.4	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	137.1	90.8	64.9	72.0
<b> Daily Means</b>	4.4	2.9	2.1	2.3
<b>Types of Instruments</b>	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: AUGUST

Year: 2008

Country: CHILE

Daily Totals				
Latitude	45°35' S	53°08' S		
Longitude	72°07'W	70°58' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	6.6	8.3		
2	2.0	4.1		
3	2.1	4.9		
4	6.3	4.6		
5	0.5	4.5		
6	3.0	0.2		
7	6.9	5.5		
8	6.8	2.9		
9	0.0	8.7		
10	2.4	0.7		
11	5.0	4.5		
12	4.2	.		
13	4.0	6.9		
14	1.3	5.2		
15	1.0	0.7		
16	8.1	3.6		
17	6.2	6.9		
18	6.0	9.0		
19	2.4	7.9		
20	1.6	8.5		
21	4.0	2.9		
22	1.5	0.0		
23	8.5	2.3		
24	1.9	0.0		
25	1.3	2.5		
26	5.5	0.0		
27	5.9	0.0		
28	2.5	0.3		
29	0.1	0.0		
30	1.6	0.0		
31	6.0	0.0		
TT Monthly Totals				
Daily Means				
SS Monthly Totals	115.2	105.6		
Daily Means	3.7	3.5		
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES		

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

Month: SEPTEMBER Year: 2008 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	8.5	10.0	10.9	9.2
2	8.1	6.7	10.9	2.6
3	0.0	0.0	10.8	0.0
4	1.3	0.3	5.3	2.0
5	2.1	7.2	10.9	10.3
6	3.5	10.3	10.9	10.2
7	4.7	6.7	10.9	7.2
8	6.8	8.8	11.1	8.8
9	3.9	9.5	11.0	8.8
10	0.0	5.9	10.8	8.0
11	5.5	9.8	10.8	8.3
12	5.9	5.5	11.0	9.2
13	5.0	2.5	11.1	8.4
14	9.5	9.7	11.1	7.7
15	5.6	8.4	11.2	8.0
16	6.2	8.0	11.2	9.2
17	4.6	8.4	11.4	8.0
18	3.2	8.3	11.2	7.5
19	5.9	9.6	11.3	8.6
20	7.0	8.1	11.3	9.9
21	7.8	3.7	11.2	5.6
22	5.4	9.8	11.2	9.5
23	8.0	9.1	11.4	8.0
24	5.4	8.4	11.5	7.8
25	8.7	10.1	11.5	8.6
26	7.1	9.1	11.4	9.3
27	5.0	3.8	11.3	6.7
28	0.5	4.1	9.9	6.6
29	5.8	6.9	11.2	9.8
30	3.9	0.0	10.9	2.6
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>154.9</b>	<b>208.7</b>	<b>326.6</b>	<b>226.4</b>
<b> Daily Means</b>	<b>5.2</b>	<b>7.0</b>	<b>10.9</b>	<b>7.5</b>
<b>Types of</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>
<b>Instruments</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

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

Month: SEPTEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	2.3	1.4	7.3	6.5
2	1.2	6.5	2.9	2.0
3	3.6	0.0	0.0	0.1
4	2.6	0.4	0.2	2.5
5	4.8	9.7	0.5	0.0
6	3.7	10.3	9.3	7.1
7	7.6	5.2	2.6	2.6
8	6.8	1.0	6.9	6.3
9	8.5	7.6	0.0	0.0
10	6.0	5.7	5.3	6.5
11	8.6	9.9	9.1	8.3
12	2.8	9.8	9.9	8.3
13	6.4	2.0	8.8	7.3
14	6.3	0.0	10.0	8.7
15	4.6	1.5	10.4	8.7
16	6.1	0.0	10.0	8.4
17	4.3	0.0	5.4	4.5
18	9.2	4.4	0.8	0.1
19	6.3	8.6	10.0	8.6
20	7.8	11.0	10.4	8.6
21	3.8	0.0	10.3	8.6
22	4.7	1.0	2.7	3.4
23	5.7	4.8	7.7	6.7
24	5.0	6.7	10.0	8.7
25	3.0	0.0	9.5	8.6
26	7.5	10.2	2.4	0.8
27	10.5	11.2	7.4	4.8
28	3.7	11.0	10.6	9.0
29	0.1	11.3	9.9	8.9
30	3.0	1.2	0.6	8.9
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>156.5</b>	<b>152.4</b>	<b>190.9</b>	<b>173.5</b>
<b> Daily Means</b>	<b>5.2</b>	<b>5.1</b>	<b>6.4</b>	<b>5.8</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: SEPTEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	0.2	8.6	6.7	0.0
2	6.7	0.0	0.0	4.0
3	5.6	10.1	8.2	8.1
4	4.2	9.8	5.4	9.9
5	0.2	4.7	8.3	9.2
6	2.4	11.0	9.4	9.3
7	4.8	6.7	6.4	7.9
8	4.1	7.2	8.2	5.9
9	2.5	3.4	6.0	3.7
10	5.7	7.7	4.6	3.0
11	8.2	10.1	5.1	9.8
12	9.0	11.1	9.5	10.4
13	7.0	8.3	8.8	8.3
14	1.5	5.1	10.1	10.4
15	9.1	11.0	10.4	10.5
16	3.8	2.7	10.0	7.9
17	0.2	4.6	3.0	3.6
18	8.5	7.9	4.4	7.4
19	9.7	11.1	8.6	10.8
20	9.8	11.0	10.5	10.5
21	9.7	8.3	9.9	10.1
22	6.3	0.0	3.4	0.0
23	2.9	8.8	8.6	8.0
24	7.9	11.0	6.9	10.2
25	0.5	0.0	9.4	10.4
26	3.8	6.2	0.8	0.4
27	8.7	9.0	8.3	8.5
28	4.4	11.1	7.8	7.2
29	2.3	8.0	10.7	10.4
30	6.4	4.5	0.0	4.9
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>156.1</b>	<b>219.0</b>	<b>209.4</b>	<b>220.7</b>
<b> Daily Means</b>	<b>5.2</b>	<b>7.3</b>	<b>7.0</b>	<b>7.4</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>



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

Month: SEPTEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	0.0	0.0	2.8	6.8
2	8.7	4.7	4.0	6.5
3	10.8	9.1	5.9	7.8
4	10.5	10.0	9.9	9.1
5	6.8	9.9	8.8	5.9
6	7.0	6.1	5.3	5.5
7	3.3	4.7	5.8	3.3
8	10.5	7.6	7.7	5.9
9	3.9	7.6	4.5	1.3
10	4.2	7.6	7.2	2.9
11	10.1	9.7	10.3	10.3
12	10.7	9.4	7.7	9.7
13	7.9	6.0	7.0	6.1
14	9.6	5.8	6.8	9.0
15	10.3	6.8	9.1	8.5
16	1.9	0.0	0.3	0.3
17	6.8	6.6	7.3	8.0
18	7.7	9.1	10.8	10.2
19	10.8	9.5	6.7	9.8
20	10.4	9.0	9.9	8.6
21	11.1	8.5	8.2	6.1
22	5.4	7.3	6.9	9.7
23	5.5	5.9	5.6	0.1
24	10.7	8.6	5.6	9.2
25	5.7	4.5	7.5	8.6
26	2.2	0.5	0.4	0.1
27	10.9	6.2	8.6	10.5
28	11.1	9.1	10.1	9.3
29	10.7	5.3	7.8	7.0
30	7.6	5.3	5.1	3.5
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	232.8	200.4	203.6	199.6
<b> Daily Means</b>	7.8	6.7	6.8	6.7
<b>Types of Instruments</b>	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: SEPTEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	45°35' S	53°08' S		
Longitude	72°07'W	70°58' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	.	1.2		
2	0.0	4.8		
3	9.5	2.5		
4	7.0	0.1		
5	8.0	6.1		
6	3.2	2.5		
7	5.8	8.3		
8	5.6	4.1		
9	5.7	4.7		
10	8.7	9.5		
11	8.2	5.6		
12	8.5	8.6		
13	8.3	0.6		
14	5.8	3.0		
15	6.7	4.0		
16	8.2	0.0		
17	8.0	9.8		
18	7.7	10.2		
19	3.7	6.6		
20	5.0	1.7		
21	7.6	1.0		
22	5.5	.		
23	4.1	3.4		
24	3.6	4.7		
25	7.4	3.8		
26	10.6	2.2		
27	8.0	10.3		
28	10.1	7.4		
29	9.1	0.6		
30	9.1	1.3		
31				
TT Monthly Totals				
Daily Means				
SS Monthly Totals	.	.		
Daily Means	6.9	4.4		
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES		

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

Month: OCTOBER Year: 2008 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	7.5	11.5	6.9
2	2.0	0.0	11.4	6.2
3	5.6	7.2	11.5	9.1
4	7.1	10.7	11.5	9.5
5	5.7	8.6	11.5	10.0
6	8.2	10.1	11.5	8.7
7	5.5	10.6	11.5	8.8
8	6.8	8.6	11.5	6.9
9	6.5	8.3	11.5	5.4
10	6.1	8.0	11.5	7.4
11	7.2	8.8	11.6	7.2
12	5.3	9.0	11.5	7.7
13	5.3	7.1	11.6	10.2
14	4.2	5.8	11.6	6.8
15	5.5	6.7	11.0	9.1
16	5.5	8.0	9.3	6.6
17	5.7	7.0	11.7	7.0
18	6.4	6.7	11.8	9.6
19	4.9	5.7	11.7	8.3
20	7.0	9.8	11.7	9.0
21	6.8	10.1	11.9	7.6
22	4.9	9.6	11.8	9.5
23	6.0	8.9	11.0	9.2
24	5.6	8.9	9.3	6.3
25	7.2	11.4	11.9	10.9
26	6.1	10.5	11.9	9.0
27	5.4	10.0	11.8	10.4
28	6.4	10.5	11.3	6.7
29	6.5	11.5	11.9	10.2
30	9.7	11.5	11.9	10.7
31	11.0	11.4	11.9	10.8
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>191.4</b>	<b>268.5</b>	<b>355.0</b>	<b>261.7</b>
<b> Daily Means</b>	<b>6.2</b>	<b>8.7</b>	<b>11.5</b>	<b>8.4</b>
<b>Types of</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>
<b>Instruments</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

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

Month: OCTOBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	7.1	11.4	10.2	9.1
2	9.2	10.7	4.2	3.4
3	8.0	3.3	5.5	4.4
4	2.2	10.9	10.5	9.7
5	11.5	11.0	8.7	7.6
6	7.8	11.2	11.4	10.1
7	11.0	1.1	9.8	9.3
8	11.3	0.0	8.8	8.7
9	8.8	0.0	8.7	9.2
10	8.0	0.0	1.1	3.1
11	6.1	7.4	1.1	0.0
12	7.4	9.6	8.4	6.9
13	9.8	11.9	5.5	3.2
14	9.9	10.6	10.4	10.0
15	11.9	11.5	11.1	10.2
16	11.4	7.4	11.7	10.4
17	10.2	2.2	11.2	10.5
18	11.2	0.0	11.7	10.5
19	7.1	0.0	11.1	10.6
20	9.5	0.0	8.1	8.4
21	8.7	11.7	12.0	10.5
22	10.2	8.2	12.1	11.2
23	6.4	7.9	12.1	11.2
24	1.9	2.9	12.0	11.1
25	10.9	8.8	0.0	0.0
26	7.7	10.9	5.5	5.5
27	5.6	5.1	11.6	10.1
28	11.3	11.8	10.6	10.0
29	8.1	11.4	11.8	10.9
30	11.3	4.7	12.2	11.0
31	7.5	4.6	9.4	9.8
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>269.0</b>	<b>208.2</b>	<b>278.5</b>	<b>256.6</b>
<b> Daily Means</b>	<b>8.7</b>	<b>6.7</b>	<b>9.0</b>	<b>8.3</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: OCTOBER

Year: 2008

Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	3.8	10.8	9.0	3.8
2	5.7	7.5	2.7	3.5
3	4.5	10.4	9.8	12.0
4	4.5	11.0	11.5	10.7
5	5.6	9.3	9.7	9.9
6	5.9	11.7	11.8	10.7
7	6.2	0.0	8.2	8.4
8	4.3	0.1	6.7	0.0
9	4.1	0.3	5.6	7.5
10	1.6	0.0	3.4	2.2
11	9.4	6.6	9.4	5.1
12	4.3	4.7	8.4	8.7
13	5.8	6.7	10.0	10.2
14	7.5	11.5	8.0	8.6
15	1.5	11.5	11.4	10.3
16	2.4	0.2	12.1	11.1
17	10.0	7.7	12.2	11.0
18	10.5	10.6	12.1	11.3
19	4.8	9.4	9.6	8.9
20	8.0	8.6	9.1	8.0
21	7.1	11.9	12.4	11.3
22	1.9	11.4	12.0	11.6
23	0.7	11.9	10.1	11.5
24	0.1	0.7	12.3	8.0
25	6.9	0.0	0.0	0.7
26	5.2	9.2	2.2	4.2
27	5.5	0.5	6.0	3.4
28	2.0	9.3	8.8	3.6
29	6.7	0.0	9.1	11.8
30	2.3	0.0	12.0	11.1
31	7.6	0.0	10.6	8.9
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>156.4</b>	<b>193.5</b>	<b>276.2</b>	<b>248.0</b>
<b> Daily Means</b>	<b>5.0</b>	<b>6.2</b>	<b>8.9</b>	<b>8.0</b>
<b>Types of</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>
<b>Instruments</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

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

Month: OCTOBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	7.6	9.5	1.2	.
2	5.6	6.7	3.2	6.9
3	11.2	7.4	8.9	9.4
4	11.2	9.6	7.9	5.6
5	10.9	4.3	3.2	2.1
6	11.1	10.0	8.3	7.1
7	9.6	8.1	8.7	9.6
8	0.0	5.7	9.6	8.9
9	8.1	7.8	10.7	1.9
10	0.5	0.4	0.0	1.6
11	11.1	5.2	6.7	3.8
12	6.8	1.4	2.3	3.8
13	11.8	7.1	6.8	2.1
14	11.6	9.8	10.5	9.7
15	12.2	10.7	9.1	13.3
16	11.8	10.4	7.8	6.8
17	12.0	10.5	10.5	9.6
18	11.5	10.3	8.6	0.7
19	6.1	0.5	0.0	1.9
20	4.2	4.6	6.0	3.5
21	11.6	9.4	11.0	9.7
22	12.0	10.4	4.7	0.0
23	12.3	9.8	8.6	1.9
24	12.2	9.5	11.1	10.5
25	0.5	0.1	0.0	2.8
26	8.6	7.8	10.2	9.5
27	7.4	5.0	6.5	2.8
28	7.5	7.1	8.0	6.8
29	12.5	10.6	11.6	9.3
30	12.2	9.9	9.9	10.5
31	12.6	8.2	12.0	6.7
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>284.3</b>	<b>227.8</b>	<b>223.6</b>	<b>178.8</b>
<b> Daily Means</b>	<b>9.2</b>	<b>7.3</b>	<b>7.2</b>	<b>6.0</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: OCTOBER

Year: 2008

Country: CHILE

Daily Totals			
Latitude	45°35' S	53°08' S	
Longitude	72°07'W	70°58' W	
Elevation	310 m	37 m	
Station	COYHAIQUE	PUNTA ARENAS	
Date			
1	4.8	2.9	
2	5.2	8.1	
3	8.6	8.1	
4	6.5	3.7	
5	5.1	8.9	
6	8.0	10.8	
7	6.3	3.0	
8	8.2	5.1	
9	7.2	6.0	
10	0.5	1.1	
11	1.3	0.0	
12	9.6	4.9	
13	10.9	3.1	
14	10.8	10.0	
15	11.0	5.5	
16	6.8	11.9	
17	4.3	4.6	
18	11.0	7.4	
19	0.0	11.2	
20	3.7	9.9	
21	5.2	5.7	
22	8.1	7.2	
23	8.1	6.2	
24	11.4	9.4	
25	6.9	9.6	
26	9.6	6.4	
27	9.2	3.3	
28	10.2	4.7	
29	4.9	3.9	
30	4.6	11.3	
31	8.9	6.8	
TT Monthly Totals			
Daily Means			
SS Monthly Totals	216.9	200.7	
Daily Means	7.0	6.5	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: NOVEMBER Year: 2008 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	7.1	5.7	12.1	9.1
2	5.7	5.1	12.0	6.9
3	11.0	11.5	12.0	8.3
4	9.1	11.0	11.6	9.0
5	7.8	9.3	11.9	7.2
6	10.0	7.7	10.6	10.2
7	4.9	10.2	12.0	8.3
8	4.6	11.4	12.0	9.5
9	9.8	11.6	11.8	11.6
10	11.5	11.3	12.0	11.3
11	10.9	11.2	11.9	9.5
12	11.6	9.3	12.0	9.4
13	11.6	8.9	12.1	10.7
14	10.1	9.2	12.1	5.6
15	11.1	11.8	11.9	11.7
16	11.2	9.9	12.0	11.0
17	11.8	11.9	12.1	10.9
18	5.9	8.5	12.1	8.8
19	7.9	9.8	12.1	10.3
20	8.9	11.6	12.2	11.0
21	7.5	10.3	11.9	7.8
22	10.1	11.9	12.1	11.0
23	9.2	10.8	12.2	9.7
24	6.7	8.7	12.2	9.9
25	6.3	7.4	12.2	9.3
26	11.8	9.4	12.1	9.5
27	11.3	12.0	11.9	11.0
28	11.5	12.1	11.8	11.7
29	11.5	11.6	11.6	9.8
30	7.5	5.9	11.8	10.6
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>275.9</b>	<b>297.0</b>	<b>358.3</b>	<b>290.6</b>
<b> Daily Means</b>	<b>9.2</b>	<b>9.9</b>	<b>11.9</b>	<b>9.7</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>



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

Month: NOVEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	2.3	8.2	9.1	9.0
2	6.4	7.9	11.9	10.9
3	6.6	6.8	11.6	10.9
4	5.1	9.2	11.4	10.8
5	12.5	4.7	12.3	11.0
6	11.3	1.4	11.9	10.9
7	6.9	5.2	7.4	7.5
8	8.9	12.7	12.0	11.1
9	12.6	12.5	12.5	11.3
10	12.0	7.7	12.5	11.3
11	11.0	3.0	12.6	11.3
12	10.9	0.0	12.5	11.2
13	12.4	0.0	11.1	11.0
14	6.6	0.5	3.0	2.4
15	8.4	12.1	7.9	7.3
16	10.3	10.5	11.9	10.9
17	5.7	4.0	12.7	11.3
18	7.5	0.7	12.7	11.4
19	8.9	3.7	12.6	11.4
20	8.9	0.0	12.7	11.4
21	8.2	0.0	12.7	11.6
22	8.7	6.2	12.7	11.4
23	9.0	11.3	12.7	11.6
24	5.4	10.9	12.8	11.6
25	12.2	4.7	12.8	11.6
26	9.4	5.1	10.7	10.9
27	11.8	7.7	8.1	7.3
28	10.6	13.8	12.8	11.4
29	5.8	12.9	12.7	11.5
30	12.8	5.9	10.8	11.6
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>269.1</b>	<b>189.3</b>	<b>341.1</b>	<b>314.8</b>
<b> Daily Means</b>	<b>9.0</b>	<b>6.3</b>	<b>11.4</b>	<b>10.5</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: NOVEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	6.8	.	10.3	9.5
2	4.8	.	10.3	8.9
3	5.2	5.0	12.9	12.4
4	3.3	11.0	12.1	9.5
5	7.9	8.7	13.4	13.2
6	8.7	6.1	7.4	8.2
7	8.1	3.3	0.5	1.9
8	3.2	12.4	12.4	11.3
9	0.9	12.1	10.5	11.6
10	3.0	11.5	13.1	9.1
11	1.8	11.7	11.2	11.8
12	9.4	0.0	13.1	12.7
13	6.2	0.0	10.8	12.8
14	7.0	0.3	0.0	4.7
15	10.6	8.1	8.7	12.7
16	11.2	12.3	13.2	12.5
17	11.4	8.7	13.3	13.3
18	11.5	5.2	13.3	12.8
19	0.6	2.0	13.3	10.8
20	11.5	7.7	12.6	9.0
21	10.2	11.6	13.3	11.2
22	10.4	12.7	10.8	11.9
23	2.7	12.8	13.3	12.9
24	6.4	12.7	13.4	13.0
25	0.8	1.5	13.4	12.8
26	7.0	2.5	12.6	7.8
27	0.1	7.9	8.5	10.3
28	6.8	12.0	12.8	10.5
29	4.5	12.3	8.5	9.6
30	8.6	2.6	13.5	10.5
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	190.6	.	332.5	319.2
<b> Daily Means</b>	6.4	7.7	11.1	10.6
<b>Types of Instruments</b>	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: NOVEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	10.5	8.6	8.0	11.5
2	9.9	9.7	9.5	13.0
3	11.9	10.0	11.7	1.5
4	11.5	3.9	2.5	1.0
5	4.5	1.4	0.1	2.2
6	7.8	3.2	0.8	2.7
7	4.4	1.2	0.2	0.0
8	6.1	1.5	5.0	9.5
9	12.4	6.8	8.4	2.8
10	11.5	9.4	11.0	5.2
11	12.4	10.4	12.4	12.2
12	12.2	10.8	12.6	9.3
13	8.4	8.7	11.3	6.5
14	7.9	8.8	12.9	13.7
15	12.6	10.7	12.9	11.4
16	12.5	10.0	12.9	8.1
17	12.7	10.6	12.9	9.6
18	11.6	2.7	11.9	10.9
19	9.5	5.0	6.7	11.2
20	10.6	8.1	9.4	7.3
21	7.2	5.4	5.5	2.4
22	11.2	6.5	2.9	0.1
23	10.2	9.0	5.0	9.6
24	12.5	10.0	6.2	1.7
25	12.6	9.2	10.8	9.9
26	2.0	3.3	2.1	2.9
27	10.7	3.9	0.7	1.7
28	0.0	0.0	1.5	7.0
29	11.2	10.5	12.4	11.3
30	11.9	10.9	12.1	12.4
31				
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>290.4</b>	<b>210.2</b>	<b>232.3</b>	<b>208.6</b>
<b> Daily Means</b>	<b>9.7</b>	<b>7.0</b>	<b>7.7</b>	<b>7.0</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: NOVEMBER Year: 2008 Country: CHILE

Daily Totals			
Latitude	45°35' S	53°08' S	
Longitude	72°07'W	70°58' W	
Elevation	310 m	37 m	
Station	COYHAIQUE	PUNTA ARENAS	
Date			
1	12.2	6.8	
2	8.1	9.6	
3	6.9	4.7	
4	0.0	11.7	
5	6.0	11.7	
6	6.8	1.5	
7	0.0	5.7	
8	8.8	7.4	
9	9.5	8.5	
10	11.7	0.0	
11	9.3	7.5	
12	11.1	4.9	
13	10.4	13.7	
14	12.5	8.7	
15	11.0	5.3	
16	6.4	12.3	
17	12.5	10.2	
18	10.7	4.8	
19	11.1	10.5	
20	5.6	6.1	
21	1.4	4.8	
22	4.1	9.3	
23	6.6	9.2	
24	9.7	8.9	
25	12.8	2.4	
26	7.5	0.5	
27	1.0	3.4	
28	6.0	13.2	
29	8.9	3.0	
30	11.0	9.8	
31			
TT Monthly Totals			
Daily Means			
SS Monthly Totals	239.6	216.1	
Daily Means	8.0	7.2	
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES	

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

Month: DECEMBER Year: 2008 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	11.6	11.9	11.9	11.6
2	9.7	11.9	11.9	10.9
3	11.7	12.0	11.8	10.9
4	11.6	11.9	11.9	10.0
5	8.6	12.1	11.9	9.0
6	8.3	10.6	10.9	9.1
7	11.4	8.2	8.2	9.5
8	6.6	10.4	10.7	11.7
9	7.4	8.7	7.6	10.3
10	10.5	11.9	10.2	10.5
11	7.6	6.5	.	10.4
12	6.1	10.5	11.3	11.2
13	11.9	12.0	11.7	8.3
14	9.8	12.0	11.8	11.7
15	8.0	9.8	11.7	11.0
16	11.3	11.9	11.7	11.7
17	12.1	12.2	11.8	11.6
18	10.7	12.2	11.5	10.2
19	11.6	10.7	11.8	10.0
20	10.6	12.1	11.8	10.0
21	12.1	12.1	11.8	11.3
22	11.5	12.1	11.8	11.1
23	9.4	11.9	11.7	11.2
24	9.2	11.2	10.4	10.2
25	10.4	11.9	11.7	11.5
26	8.9	9.5	10.9	11.2
27	10.6	11.6	11.2	11.8
28	5.1	5.9	10.4	11.0
29	11.6	11.8	4.8	11.7
30	9.3	7.3	11.6	11.7
31	9.6	10.5	11.7	10.8
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>304.8</b>	<b>335.3</b>	<b>.</b>	<b>333.1</b>
<b> Daily Means</b>	<b>9.8</b>	<b>10.8</b>	<b>11.0</b>	<b>10.7</b>
<b>Types of</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>	<b>HELIOGRAPH</b>
<b>Instruments</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>	<b>CAMPBELL</b>
	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>	<b>STOKES</b>

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

Month: DECEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	27°10' S	29°57' S	33°23' S	33°27' S
Longitude	109°26' W	71°22' W	70°47' W	70°42' W
Elevation	47 m	25 m	474 m	520 m
Station	ISLA DE PASCUA	LA SERENA	PUDAHUEL	QUINTA NORMAL
Date				
1	11.9	4.5	12.6	11.8
2	12.4	4.5	12.8	11.6
3	11.5	6.1	4.5	5.6
4	5.9	12.7	11.9	11.4
5	4.7	10.3	12.6	11.9
6	11.2	10.9	10.8	11.3
7	8.8	10.3	8.4	8.1
8	1.6	13.1	12.7	11.8
9	4.1	13.1	12.9	12.3
10	8.6	11.8	12.8	11.9
11	12.1	1.9	9.8	10.7
12	10.4	12.9	12.6	12.0
13	8.8	13.0	12.7	12.0
14	4.7	3.5	11.7	11.6
15	1.2	0.0	9.3	7.9
16	8.5	5.8	7.6	7.1
17	10.4	13.1	9.1	8.8
18	12.4	12.6	11.6	11.4
19	9.9	8.4	12.7	12.1
20	11.5	8.4	8.4	9.4
21	9.0	13.0	12.9	11.9
22	11.5	11.8	12.8	12.2
23	7.0	10.9	12.8	12.2
24	6.1	6.8	12.7	12.1
25	9.6	5.6	12.9	12.2
26	11.6	5.0	12.9	12.1
27	10.4	8.2	11.3	10.3
28	12.8	13.0	12.4	11.9
29	12.1	9.3	12.8	11.9
30	10.6	9.0	12.9	12.2
31	10.7	6.4	12.8	12.2
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>282.0</b>	<b>275.9</b>	<b>356.7</b>	<b>341.9</b>
<b> Daily Means</b>	<b>9.1</b>	<b>8.9</b>	<b>11.5</b>	<b>11.0</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: DECEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	33°37' S	33°39' S	34°58' S	36°36' S
Longitude	78°50' W	71°36' W	71°12' W	72°26' W
Elevation	30 m	74 m	225 m	124 m
Station	ROBINSON CRUSOE	SANTO DOMINGO	CURICO	CHILLAN
Date				
1	1.9	2.6	13.5	11.8
2	0.2	0.0	12.7	12.2
3	0.2	3.1	0.0	0.0
4	1.3	11.7	9.7	4.3
5	0.0	6.6	12.7	10.9
6	0.0	0.0	6.9	6.9
7	5.3	8.1	5.4	0.3
8	0.4	11.9	10.6	8.8
9	3.4	11.6	13.1	10.3
10	10.4	6.3	13.7	12.9
11	11.6	4.7	12.4	13.3
12	9.4	10.7	12.7	10.4
13	6.2	6.3	13.4	12.9
14	2.7	0.0	12.5	13.1
15	0.0	4.4	8.4	8.7
16	0.0	9.8	13.1	9.2
17	.	12.7	9.1	12.3
18	.	11.1	13.1	12.7
19	.	12.4	13.6	8.2
20	10.0	12.0	2.3	0.1
21	7.4	12.4	10.6	12.9
22	0.1	12.3	13.8	13.2
23	0.3	9.6	13.8	10.6
24	5.3	3.9	13.7	13.2
25	7.8	4.1	13.7	13.3
26	7.3	0.0	13.8	13.1
27	8.4	5.7	5.1	8.1
28	4.8	12.8	8.4	12.8
29	9.6	7.9	13.7	13.2
30	10.9	9.1	13.7	13.3
31	10.4	0.1	13.7	13.3
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	.	<b>223.9</b>	<b>342.9</b>	<b>316.3</b>
<b> Daily Means</b>	<b>4.8</b>	<b>7.2</b>	<b>11.1</b>	<b>10.2</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>

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

Month: DECEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	36°46' S	38°45' S	39°41' S	41°26' S
Longitude	73°03' W	72°38' W	73°04' W	73°07' W
Elevation	12 m	114 m	19 m	81 m
Station	CONCEPCION	TEMUCO	VALDIVIA	PUERTO MONTT
Date				
1	3.2	10.7	11.9	13.7
2	1.2	6.7	10.5	13.5
3	0.0	0.0	3.8	8.3
4	6.3	5.6	12.1	11.4
5	0.0	9.1	12.0	13.2
6	2.4	5.1	10.2	13.7
7	3.9	0.0	0.0	7.0
8	10.5	3.3	9.0	10.7
9	12.9	9.0	12.9	11.7
10	10.8	10.5	12.8	13.1
11	11.9	11.5	13.0	13.8
12	11.4	11.1	13.3	10.2
13	9.1	9.3	13.4	12.4
14	10.2	8.4	11.8	11.8
15	12.3	4.8	1.7	3.4
16	6.5	5.3	12.2	8.1
17	13.0	11.2	13.2	12.2
18	12.9	10.5	11.2	9.4
19	7.5	9.8	6.2	2.4
20	3.1	3.1	6.4	5.1
21	13.1	11.0	12.5	6.0
22	12.9	10.9	10.4	0.0
23	12.4	9.5	11.3	9.5
24	13.0	7.0	9.1	6.6
25	12.8	11.2	13.0	11.7
26	12.7	11.0	12.3	9.1
27	1.3	0.0	6.5	2.0
28	12.2	11.0	13.4	8.4
29	13.0	11.3	12.4	9.1
30	12.5	11.0	12.9	12.1
31	12.7	11.3	12.6	13.2
<b>TT Monthly Totals</b>				
<b> Daily Means</b>				
<b>SS Monthly Totals</b>	<b>277.7</b>	<b>250.2</b>	<b>292.8</b>	<b>292.8</b>
<b> Daily Means</b>	<b>9.0</b>	<b>8.1</b>	<b>9.4</b>	<b>9.4</b>
<b>Types of Instruments</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>	<b>HELIOGRAPH CAMPBELL STOKES</b>



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

Month: DECEMBER Year: 2008 Country: CHILE

Daily Totals				
Latitude	45°35' S	53°08' S		
Longitude	72°07'W	70°58' W		
Elevation	310 m	37 m		
Station	COYHAIQUE	PUNTA ARENAS		
Date				
1	12.4	7.0		
2	11.0	13.6		
3	10.2	9.8		
4	12.9	8.5		
5	12.9	14.8		
6	11.8	13.2		
7	13.4	14.0		
8	0.8	13.6		
9	9.8	9.4		
10	13.2	8.5		
11	13.2	.		
12	13.2	12.4		
13	13.2	0.6		
14	12.9	.		
15	10.9	8.6		
16	6.3	9.5		
17	3.7	3.7		
18	10.2	6.4		
19	1.0	0.0		
20	2.3	0.2		
21	5.7	11.0		
22	5.0	9.8		
23	4.8	9.6		
24	2.2	.		
25	13.0	10.9		
26	2.9	10.8		
27	9.8	10.5		
28	6.6	10.6		
29	5.1	9.6		
30	13.3	.		
31	13.3	10.6		
TT Monthly Totals				
Daily Means				
SS Monthly Totals	277.0	.		
Daily Means	8.9	9.2		
Types of Instruments	HELIOGRAPH CAMPBELL STOKES	HELIOGRAPH CAMPBELL STOKES		