

Date/Time	Solar radiation		Sunshine duration		Sunshine d
	avg [W/m2]		mints		Hours
	Open	GH	Open	GH	Open
2023-05-30 00:00:00	321	141	665	465	11.08
2023-05-31 00:00:00	191	110	590	630	9.83
2023-06-01 00:00:00	283	127	670	545	11.17
2023-06-02 00:00:00	196	105	590	610	9.83
2023-06-03 00:00:00	289	126	665	515	11.08
2023-06-04 00:00:00	306	123	665	590	11.08
2023-06-05 00:00:00	300	133	660	610	11.00
2023-06-06 00:00:00	296	119	655	615	10.92
2023-06-07 00:00:00	225	95	605	540	10.08
2023-06-08 00:00:00	277	116	655	520	10.92
2023-06-09 00:00:00	319	127	670	560	11.17
2023-06-10 00:00:00	318	134	670	610	11.17
2023-06-11 00:00:00	303	130	665	640	11.08
2023-06-12 00:00:00	227	114	655	625	10.92
2023-06-13 00:00:00	313	136	670	580	11.17
2023-06-14 00:00:00	319	139	670	625	11.17
2023-06-15 00:00:00	307	135	665	635	11.08
2023-06-16 00:00:00	301	130	660	620	11.00
2023-06-17 00:00:00	301	130	665	615	11.08
2023-06-18 00:00:00	316	138	670	610	11.17
2023-06-19 00:00:00	319	141	675	635	11.25
2023-06-20 00:00:00	315	136	670	640	11.17
2023-06-21 00:00:00	316	139	670	630	11.17
2023-06-22 00:00:00	314	139	675	630	11.25
2023-06-23 00:00:00	314	137	665	640	11.08
2023-06-24 00:00:00	315	138	665	635	11.08
2023-06-25 00:00:00	319	139	670	635	11.17
2023-06-26 00:00:00	318	139	670	635	11.17
2023-06-27 00:00:00	321	141	670	640	11.17
2023-06-28 00:00:00	318	139	670	645	11.17
2023-06-29 00:00:00	317	142	670	635	11.17
2023-06-30 00:00:00	315	132	519	640	8.65
2023-07-01 00:00:00	311	138	665	489	11.08
2023-07-02 00:00:00	314	137	660	635	11.00
2023-07-03 00:00:00	301	133	660	625	11.00
2023-07-04 00:00:00	313	130	670	620	11.17
2023-07-05 00:00:00	313	135	670	620	11.17
2023-07-06 00:00:00	308	129	645	630	10.75
2023-07-07 00:00:00	313	136	670	635	11.17
2023-07-08 00:00:00	319	134	655	635	10.92

2023-07-09 00:00:00	331	138	670	630	11.17
2023-07-10 00:00:00	330	134	670	640	11.17
2023-07-11 00:00:00	323	135	665	630	11.08
2023-07-12 00:00:00	323	136	665	625	11.08
2023-07-13 00:00:00	329	134	670	640	11.17
2023-07-14 00:00:00	329	135	665	635	11.08
2023-07-15 00:00:00	313	136	600	630	10.00
2023-07-16 00:00:00	328	133	665	625	11.08
2023-07-17 00:00:00	316	132	660	599	11.00
2023-07-18 00:00:00	318	134	660	625	11.00
2023-07-19 00:00:00	321	132	665	625	11.08
2023-07-20 00:00:00	324	134	665	625	11.08
2023-07-21 00:00:00	327	137	660	625	11.00
2023-07-22 00:00:00	323	135	660	630	11.00
2023-07-23 00:00:00	323	132	660	630	11.00
2023-07-24 00:00:00	321	134	655	620	10.92
2023-07-25 00:00:00	315	131	650	625	10.83
2023-07-26 00:00:00	296	122	615	625	10.25
2023-07-27 00:00:00	325	139	660	505	11.00
2023-07-28 00:00:00	310	132	650	625	10.83
2023-07-29 00:00:00	319	139	655	610	10.92
2023-07-30 00:00:00	319	136	655	620	10.92
2023-07-31 00:00:00	320	138	655	620	10.92
2023-08-01 00:00:00	317	138	655	625	10.92
2023-08-02 00:00:00	290	124	645	620	10.75
2023-08-03 00:00:00	291	123	625	590	10.42
2023-08-04 00:00:00	307	136	655	595	10.92
2023-08-05 00:00:00	308	137	640	615	10.67
2023-08-06 00:00:00	293	137	645	610	10.75
2023-08-07 00:00:00	306	137	640	610	10.67
2023-08-08 00:00:00	298	130	640	610	10.67
2023-08-09 00:00:00	249	128	640	600	10.67
2023-08-10 00:00:00	299	137	635	605	10.58
2023-08-11 00:00:00	314	139	640	610	10.67
2023-08-12 00:00:00	312	137	645	610	10.75
2023-08-13 00:00:00	310	134	640	610	10.67
2023-08-14 00:00:00	307	131	640	605	10.67
2023-08-15 00:00:00	301	131	635	600	10.58
2023-08-16 00:00:00	300	128	635	605	10.58
2023-08-17 00:00:00	300	124	635	595	10.58
2023-08-18 00:00:00	295	121	635	590	10.58
2023-08-19 00:00:00	288	120	630	585	10.50
2023-08-20 00:00:00	290	122	625	580	10.42
2023-08-21 00:00:00	285	123	625	585	10.42

2023-08-22 00:00:00	288	124	625	585	10.42
2023-08-23 00:00:00	287	124	625	590	10.42
2023-08-24 00:00:00	277	109	620	585	10.33
2023-08-25 00:00:00	286	117	625	555	10.42
2023-08-26 00:00:00	267	132	620	570	10.33
2023-08-27 00:00:00	281	125	620	595	10.33
2023-08-28 00:00:00	291	117	625	590	10.42
2023-08-29 00:00:00	291	111	620	600	10.33
2023-08-30 00:00:00	283	110	615	600	10.25
2023-08-31 00:00:00	271	110	615	605	10.25
2023-09-01 00:00:00	279	115	615	585	10.25
2023-09-02 00:00:00	281	122	610	580	10.17
2023-09-03 00:00:00	284	126	620	585	10.33
2023-09-04 00:00:00	283	127	615	585	10.25
2023-09-05 00:00:00	278	124	615	580	10.25
2023-09-06 00:00:00	267	123	610	580	10.17
2023-09-07 00:00:00	269	121	610	570	10.17
2023-09-08 00:00:00	273	125	610	570	10.17
2023-09-09 00:00:00	271	125	610	575	10.17
2023-09-10 00:00:00	253	122	605	565	10.08
2023-09-11 00:00:00	256	112	605	555	10.08
2023-09-12 00:00:00	258	115	600	525	10.00
2023-09-13 00:00:00	260	118	600	535	10.00
2023-09-14 00:00:00	268	119	605	555	10.08
2023-09-15 00:00:00	269	122	605	565	10.08
2023-09-16 00:00:00	266	118	605	570	10.08
2023-09-17 00:00:00	264	116	605	575	10.08
2023-09-18 00:00:00	261	116	600	570	10.00
2023-09-19 00:00:00	260	115	600	570	10.00
2023-09-20 00:00:00	256	111	600	565	10.00
2023-09-21 00:00:00	256	103	600	565	10.00
2023-09-22 00:00:00	258	96	600	560	10.00
2023-09-23 00:00:00	255	89	595	560	9.92
2023-09-24 00:00:00	252	91	595	545	9.92
2023-09-25 00:00:00	250	96	590	530	9.83
2023-09-26 00:00:00	243	94	590	535	9.83
2023-09-27 00:00:00	232	72	590	520	9.83
2023-09-28 00:00:00	235	94	585	420	9.75
2023-09-29 00:00:00	234	96	585	530	9.75
2023-09-30 00:00:00	221	80	565	530	9.42
2023-10-01 00:00:00	202	88	560	465	9.33
2023-10-02 00:00:00	179	89	530	465	8.83
2023-10-03 00:00:00	225	91	575	470	9.58
2023-10-04 00:00:00	219	93	585	495	9.75

2023-10-05 00:00:00	217	94	580	495	9.67
2023-10-06 00:00:00	215	89	570	495	9.50
2023-10-07 00:00:00	207	84	535	465	8.92
2023-10-08 00:00:00	214	85	575	445	9.58
2023-10-09 00:00:00	226	91	575	490	9.58
2023-10-10 00:00:00	224	92	575	505	9.58
2023-10-11 00:00:00	223	95	575	505	9.58
2023-10-12 00:00:00	217	93	575	515	9.58
2023-10-13 00:00:00	214	90	570	515	9.50
2023-10-14 00:00:00	224	93	575	505	9.58
2023-10-15 00:00:00	223	96	580	515	9.67
2023-10-16 00:00:00	223	95	575	525	9.58
2023-10-17 00:00:00	220	93	570	515	9.50
2023-10-18 00:00:00	213	88	570	515	9.50
2023-10-19 00:00:00	215	92	570	500	9.50
2023-10-20 00:00:00	217	91	565	515	9.42
2023-10-21 00:00:00	211	88	565	490	9.42
2023-10-22 00:00:00	209	84	560	500	9.33
2023-10-23 00:00:00	204	82	560	495	9.33
2023-10-24 00:00:00	201	81	555	480	9.25
2023-10-25 00:00:00	194	78	550	475	9.17
2023-10-26 00:00:00	167	68	525	460	8.75
2023-10-27 00:00:00	189	73	545	400	9.08
2023-10-28 00:00:00	193	73	550	450	9.17
2023-10-29 00:00:00	189	72	545	445	9.08
2023-10-30 00:00:00	186	73	545	445	9.08
2023-10-31 00:00:00	185	71	545	450	9.08
2023-11-01 00:00:00	186	71	540	450	9.00
2023-11-02 00:00:00	189	70	545	450	9.08
2023-11-03 00:00:00	191	69	545	455	9.08
2023-11-04 00:00:00	188	66	540	445	9.00
2023-11-05 00:00:00	185	66	540	440	9.00
2023-11-06 00:00:00	185	68	535	440	8.92
2023-11-07 00:00:00	180	65	535	445	8.92
2023-11-08 00:00:00	177	62	535	430	8.92
2023-11-09 00:00:00	171	58	520	415	8.67
2023-11-10 00:00:00	155	53	515	395	8.58
2023-11-11 00:00:00	153	50	495	325	8.25
2023-11-12 00:00:00	156	51	460	270	7.67
2023-11-13 00:00:00	177	60	530	275	8.83
2023-11-14 00:00:00	176	61	530	405	8.83
2023-11-15 00:00:00	176	58	530	415	8.83
2023-11-16 00:00:00	174	56	520	400	8.67
2023-11-17 00:00:00	163	53	500	385	8.33

2023-11-18 00:00:00	169	55	520	295	8.67
2023-11-19 00:00:00	167	55	515	380	8.58
2023-11-20 00:00:00	161	54	505	380	8.42
2023-11-21 00:00:00	161	52	510	340	8.50
2023-11-22 00:00:00	166	52	520	285	8.67
2023-11-23 00:00:00	166	51	520	320	8.67
2023-11-24 00:00:00	157	50	505	300	8.42
2023-11-25 00:00:00	146	48	500	285	8.33
2023-11-26 00:00:00	155	43	500	300	8.33
2023-11-27 00:00:00	149	49	480	230	8.00
2023-11-28 00:00:00	165	48	515	285	8.58
2023-11-29 00:00:00	164	50	515	250	8.58
2023-11-30 00:00:00	160	49	510	295	8.50
2023-12-01 00:00:00	159	53	515	290	8.58
2023-12-02 00:00:00	159	52	515	300	8.58
2023-12-03 00:00:00	162	51	520	290	8.67
2023-12-04 00:00:00	156	51	505	270	8.42
2023-12-05 00:00:00	155	50	510	270	8.50
2023-12-06 00:00:00	155	49	510	240	8.50
2023-12-07 00:00:00	156	49	510	225	8.50
2023-12-08 00:00:00	150	50	510	225	8.50
2023-12-09 00:00:00	141	48	500	270	8.33
2023-12-10 00:00:00	151	47	505	185	8.42
2023-12-11 00:00:00	152	39	490	220	8.17
2023-12-12 00:00:00	151	46	505	150	8.42
2023-12-13 00:00:00	151	45	505	210	8.42
2023-12-14 00:00:00	152	46	505	200	8.42
2023-12-15 00:00:00	150	45	510	200	8.50
2023-12-16 00:00:00	147	45	480	190	8.00
2023-12-17 00:00:00	144	44	500	190	8.33
2023-12-18 00:00:00	148	45	510	190	8.50
2023-12-19 00:00:00	138	43	485	195	8.08
2023-12-20 00:00:00	148	45	500	215	8.33
2023-12-21 00:00:00	148	45	500	200	8.33
2023-12-22 00:00:00	151	44	505	205	8.42
2023-12-23 00:00:00	150	43	505	195	8.42
2023-12-24 00:00:00	150	43	505	175	8.42
2023-12-25 00:00:00	137	43	490	180	8.17
2023-12-26 00:00:00	144	43	495	165	8.25
2023-12-27 00:00:00	150	43	505	170	8.42
2023-12-28 00:00:00	133	38	455	215	7.58
2023-12-29 00:00:00	146	42	500	155	8.33
2023-12-30 00:00:00	147	42	495	170	8.25
2023-12-31 00:00:00	151	43	505	175	8.42

2024-01-01 00:00:00	154	43	505	180	8.42
2024-01-02 00:00:00	149	43	505	195	8.42
2024-01-03 00:00:00	134	42	500	200	8.33
2024-01-04 00:00:00	157	44	510	175	8.50
2024-01-05 00:00:00	156	45	510	200	8.50
2024-01-06 00:00:00	160	46	515	200	8.58
2024-01-07 00:00:00	160	47	515	195	8.58
2024-01-08 00:00:00	154	44	510	215	8.50
2024-01-09 00:00:00	159	48	510	200	8.50
2024-01-10 00:00:00	154	45	515	215	8.58
2024-01-11 00:00:00	149	45	515	185	8.58
2024-01-12 00:00:00	161	48	515	195	8.58
2024-01-13 00:00:00	158	43	515	220	8.58
2024-01-14 00:00:00	163	48	515	200	8.58
2024-01-15 00:00:00	164	49	520	205	8.67
2024-01-16 00:00:00	164	49	520	210	8.67
2024-01-17 00:00:00	167	50	520	230	8.67
2024-01-18 00:00:00	166	49	520	245	8.67
2024-01-19 00:00:00	167	50	525	245	8.75
2024-01-20 00:00:00	159	50	530	245	8.83
2024-01-21 00:00:00	146	50	515	235	8.58
2024-01-22 00:00:00	151	44	510	250	8.50
2024-01-23 00:00:00	157	46	525	210	8.75
2024-01-24 00:00:00	141	47	520	240	8.67
2024-01-25 00:00:00	172	51	530	235	8.83
2024-01-26 00:00:00	170	49	530	280	8.83
2024-01-27 00:00:00	176	53	530	250	8.83
2024-01-28 00:00:00	171	53	485	300	8.08
2024-01-29 00:00:00	180	54	535	300	8.92
2024-01-30 00:00:00	158	54	485	310	8.08
2024-01-31 00:00:00	179	51	535	300	8.92
2024-02-01 00:00:00	179	52	540	300	9.00
2024-02-02 00:00:00	185	54	540	320	9.00
2024-02-03 00:00:00	186	56	545	310	9.08
2024-02-04 00:00:00	186	55	545	350	9.08
2024-02-05 00:00:00	185	55	545	345	9.08
2024-02-06 00:00:00	184	56	545	365	9.08
2024-02-07 00:00:00	188	56	545	370	9.08
2024-02-08 00:00:00	193	57	550	360	9.17
2024-02-09 00:00:00	197	59	555	385	9.25
2024-02-10 00:00:00	199	60	555	400	9.25
2024-02-11 00:00:00	193	60	500	410	8.33
2024-02-12 00:00:00	186	58	545	355	9.08
2024-02-13 00:00:00	185	55	540	385	9.00

2024-02-14 00:00:00	172	45	530	360	8.83
2024-02-15 00:00:00	190	56	555	230	9.25
2024-02-16 00:00:00	201	59	560	340	9.33
2024-02-17 00:00:00	203	59	565	375	9.42
2024-02-18 00:00:00	202	58	560	370	9.33
2024-02-19 00:00:00	163	47	575	360	9.58
2024-02-20 00:00:00	200	51	535	275	8.92
2024-02-21 00:00:00	140	43	535	305	8.92
2024-02-22 00:00:00	43	19	215	175	3.58
2024-02-23 00:00:00	237	66	580	30	9.67
2024-02-24 00:00:00	242	71	585	395	9.75
2024-02-25 00:00:00	239	70	580	415	9.67
2024-02-26 00:00:00	238	68	580	410	9.67
2024-02-27 00:00:00	236	66	580	385	9.67
2024-02-28 00:00:00	249	69	595	395	9.92
2024-02-29 00:00:00	250	70	590	405	9.83
2024-03-01 00:00:00	246	65	585	400	9.75
2024-03-02 00:00:00	245	68	590	400	9.83
2024-03-03 00:00:00	249	71	595	385	9.92
2024-03-04 00:00:00	253	73	595	395	9.92
2024-03-05 00:00:00	252	71	595	390	9.92
2024-03-06 00:00:00	251	71	590	400	9.83
2024-03-07 00:00:00	238	67	580	390	9.67
2024-03-08 00:00:00	197	52	570	430	9.50
2024-03-09 00:00:00	250	64	595	310	9.92
2024-03-10 00:00:00	266	70	600	385	10.00
2024-03-11 00:00:00	258	67	595	390	9.92
2024-03-12 00:00:00	254	60	595	410	9.92
2024-03-13 00:00:00	259	61	605	375	10.08
2024-03-14 00:00:00	255	59	580	300	9.67
2024-03-15 00:00:00	239	63	595	355	9.92
2024-03-16 00:00:00	201	55	555	385	9.25
2024-03-17 00:00:00	266	47	575	350	9.58
2024-03-18 00:00:00	272	54	600	245	10.00
2024-03-19 00:00:00	278	53	605	300	10.08
2024-03-20 00:00:00	278	58	600	275	10.00
2024-03-21 00:00:00	284	66	605	305	10.08
2024-03-22 00:00:00	284	69	610	340	10.17
2024-03-23 00:00:00	285	62	600	365	10.00
2024-03-24 00:00:00	282	67	610	325	10.17
2024-03-25 00:00:00	279	66	610	360	10.17
2024-03-26 00:00:00	285	69	605	360	10.08
2024-03-27 00:00:00	145	50	565	390	9.42
2024-03-28 00:00:00	277	62	610	280	10.17

2024-03-29 00:00:00	284	65	605	350	10.08
2024-03-30 00:00:00	281	65	610	360	10.17
2024-03-31 00:00:00	284	68	615	365	10.25
2024-04-01 00:00:00	282	66	615	385	10.25
2024-04-02 00:00:00	287	66	615	360	10.25
2024-04-03 00:00:00	283	66	615	360	10.25
2024-04-04 00:00:00	283	66	615	375	10.25
2024-04-05 00:00:00	294	71	615	400	10.25
2024-04-06 00:00:00	300	71	620	415	10.33
2024-04-07 00:00:00	298	67	625	420	10.42
2024-04-08 00:00:00	293	64	620	420	10.33
2024-04-09 00:00:00	295	62	625	385	10.42
2024-04-10 00:00:00	300	57	595	380	9.92
2024-04-11 00:00:00	209	47	595	380	9.92
2024-04-12 00:00:00	284	56	630	230	10.50
2024-04-13 00:00:00	302	65	625	305	10.42
2024-04-14 00:00:00	305	72	630	415	10.50
2024-04-15 00:00:00	302	73	625	430	10.42
2024-04-16 00:00:00	304	72	630	425	10.50
2024-04-17 00:00:00	278	61	620	410	10.33
2024-04-18 00:00:00	310	69	630	385	10.50
2024-04-19 00:00:00	314	72	635	400	10.58
2024-04-20 00:00:00	299	67	630	405	10.50
2024-04-21 00:00:00	314	72	640	390	10.67
2024-04-22 00:00:00	316	74	640	415	10.67
2024-04-23 00:00:00	303	76	640	430	10.67
2024-04-24 00:00:00	262	73	620	420	10.33
2024-04-25 00:00:00	153	36	625	415	10.42
2024-04-26 00:00:00	316	70	645	120	10.75
2024-04-27 00:00:00	311	72	640	380	10.67
2024-04-28 00:00:00	290	72	635	400	10.58
2024-04-29 00:00:00	300	68	640	390	10.67
2024-04-30 00:00:00	310	73	645	370	10.75
2024-05-01 00:00:00	300	69	640	395	10.67
2024-05-02 00:00:00	306	71	645	380	10.75
2024-05-03 00:00:00	301	71	640	380	10.67
2024-05-04 00:00:00	302	69	655	395	10.92
2024-05-05 00:00:00	317	72	650	365	10.83
2024-05-06 00:00:00	321	73	650	390	10.83
2024-05-07 00:00:00	322	75	650	395	10.83
2024-05-08 00:00:00	312	72	650	405	10.83
2024-05-09 00:00:00	305	67	645	370	10.75
2024-05-10 00:00:00	296	66	645	345	10.75
2024-05-11 00:00:00	311	68	655	345	10.92

2024-05-12 00:00:00	319	72	655	350	10.92
2024-05-13 00:00:00	323	73	655	365	10.92
2024-05-14 00:00:00	321	69	655	375	10.92
2024-05-15 00:00:00	313	60	645	350	10.75
2024-05-16 00:00:00	398	83	620	305	10.33
				325	

uration urs	ET0 [mm] Open	comparison GH gh/open	
GH			
7.8	11.3	2.7	0.24
10.5	9.4	2.4	0.26
9.1	9.3	2.7	0.29
10.2	8.4	2.4	0.29
8.6	9.2	2.7	0.29
9.8	7.8	2.3	0.29
10.2	9.4	3.0	0.32
10.3	13.8	3.2	0.23
9.0	10.6	2.6	0.25
8.7	11.6	3.3	0.28
9.3	8.8	2.7	0.31
10.2	7.9	3.1	0.39
10.7	8.0	2.7	0.34
10.4	14.8	4.3	0.29
9.7	7.2	2.1	0.29
10.4	5.3	1.6	0.30
10.6	4.6	2.7	0.59
10.3	5.0	2.6	0.52
10.3	5.2	3.0	0.58
10.2	5.3	3.0	0.57
10.6	4.4	2.9	0.66
10.7	4.6	2.9	0.63
10.5	4.5	3.0	0.67
10.5	4.4	2.8	0.64
10.7	4.5	2.8	0.62
10.6	4.4	2.8	0.64
10.6	4.4	2.8	0.64
10.6	4.2	2.7	0.64
10.7	4.4	2.8	0.64
10.8	4.6	3.2	0.70
10.6	5.1	3.3	0.65
10.7	4.5	3.2	0.71
8.2	4.4	3.2	0.73
10.6	4.3	3.1	0.72
10.4	4.2	2.8	0.67
10.3	4.7	2.9	0.62
10.3	4.6	2.8	0.61
10.5	4.4	2.9	0.66
10.6	4.5	2.9	0.64
10.6	6.6	3.0	0.45

10.5	5.4	2.9	0.54
10.7	4.7	2.7	0.57
10.5	4.6	2.6	0.57
10.4	4.5	2.9	0.64
10.7	4.3	3.0	0.70
10.6	4.3	2.7	0.63
10.5	4.5	2.7	0.60
10.4	4.3	2.6	0.60
10.0	4.4	2.5	0.57
10.4	4.5	3.2	0.71
10.4	4.4	2.6	0.59
10.4	4.3	2.7	0.63
10.4	5.4	3.1	0.57
10.5	6.4	2.8	0.44
10.5	8.3	2.8	0.34
10.3	9.8	2.9	0.30
10.4	7.0	2.5	0.36
10.4	6.3	2.6	0.41
8.4	7.4	2.7	0.36
10.4	8.1	3.1	0.38
10.2	7.3	3.0	0.41
10.3	5.6	2.6	0.46
10.3	6.3	2.6	0.41
10.4	6.4	2.6	0.41
10.3	7.3	2.8	0.38
9.8	7.4	2.5	0.34
9.9	7.2	2.9	0.40
10.3	9.4	2.6	0.28
10.2	8.5	2.6	0.31
10.2	9.6	2.5	0.26
10.2	8.8	2.9	0.33
10.0	8.7	2.9	0.33
10.1	9.7	3.2	0.33
10.2	9.6	3.0	0.31
10.2	8.9	2.8	0.31
10.2	8.6	2.9	0.34
10.1	9.3	3.0	0.32
10.0	9.3	3.0	0.32
10.1	8.8	2.9	0.33
9.9	8.8	2.6	0.30
9.8	9.3	2.7	0.29
9.8	9.5	2.8	0.29
9.7	9.6	2.9	0.30
9.8	9.2	2.9	0.32

9.8	8.9	3.2	0.36
9.8	11.7	3.6	0.31
9.8	13.6	4.0	0.29
9.3	11.8	3.8	0.32
9.5	7.1	3.1	0.44
9.9	9.8	3.0	0.31
9.8	7.9	2.4	0.30
10.0	8.1	2.6	0.32
10.0	8.5	2.6	0.31
10.1	8.6	3.0	0.35
9.8	9.5	2.8	0.29
9.7	9.2	3.1	0.34
9.8	7.3	2.3	0.32
9.8	6.1	2.3	0.38
9.7	8.2	2.3	0.28
9.7	9.0	2.3	0.26
9.5	9.3	2.9	0.31
9.5	6.5	2.6	0.40
9.6	7.5	2.6	0.35
9.4	8.6	2.6	0.30
9.3	8.0	2.5	0.31
8.8	7.3	2.4	0.33
8.9	7.1	2.6	0.37
9.3	7.9	2.6	0.33
9.4	8.1	2.5	0.31
9.5	7.5	2.2	0.29
9.6	7.6	2.3	0.30
9.5	6.9	2.4	0.35
9.5	7.2	2.2	0.31
9.4	6.3	2.2	0.35
9.4	7.0	2.1	0.30
9.3	7.7	1.9	0.25
9.3	7.5	2.1	0.28
9.1	7.6	2.0	0.26
8.8	7.3	2.1	0.29
8.9	6.7	2.1	0.31
8.7	7.7	2.4	0.31
7.0	8.5	2.8	0.33
8.8	9.1	2.3	0.25
8.8	8.6	2.5	0.29
7.8	7.8	2.2	0.28
7.8	6.4	2.4	0.38
7.8	6.5	2.4	0.37
8.3	6.8	2.2	0.32

8.3	7.1	2.3	0.32
8.3	6.9	2.3	0.33
7.8	7.0	2.4	0.34
7.4	7.7	2.2	0.29
8.2	6.4	2.1	0.33
8.4	5.6	1.9	0.34
8.4	5.7	1.9	0.33
8.6	5.9	1.9	0.32
8.6	5.0	1.9	0.38
8.4	5.9	1.7	0.29
8.6	5.5	1.8	0.33
8.8	5.6	1.8	0.32
8.6	5.6	1.8	0.32
8.6	5.3	1.7	0.32
8.3	5.7	1.9	0.33
8.6	5.6	2.0	0.36
8.2	5.8	1.9	0.33
8.3	5.9	1.8	0.31
8.3	5.4	1.8	0.33
8.0	5.0	1.8	0.36
7.9	5.6	1.6	0.29
7.7	5.3	1.7	0.32
6.7	5.8	1.8	0.31
7.5	5.7	1.7	0.30
7.4	4.8	1.5	0.31
7.4	4.8	1.5	0.31
7.5	4.7	1.5	0.32
7.5	4.7	1.5	0.32
7.5	5.1	1.4	0.27
7.6	4.4	1.3	0.30
7.4	5.3	1.3	0.25
7.3	5.7	1.7	0.30
7.3	5.4	1.8	0.33
7.4	5.1	1.8	0.35
7.2	5.1	1.9	0.37
6.9	4.8	1.7	0.35
6.6	4.6	1.3	0.28
5.4	4.8	1.4	0.29
4.5	4.5	1.5	0.33
4.6	4.9	1.4	0.29
6.8	4.2	1.4	0.33
6.9	4.0	1.3	0.33
6.7	3.9	1.2	0.31
6.4	4.0	1.2	0.30

4.9	4.5	1.2	0.27
6.3	3.4	1.1	0.32
6.3	2.9	1.1	0.38
5.7	2.8	1.0	0.36
4.8	3.4	1.0	0.29
5.3	3.1	1.0	0.32
5.0	6.3	1.0	0.16
4.8	4.4	1.0	0.23
5.0	3.8	1.1	0.29
3.8	2.9	1.2	0.41
4.8	3.2	0.9	0.28
4.2	3.9	1.0	0.26
4.9	4.0	1.1	0.28
4.8	3.3	1.2	0.36
5.0	3.0	1.1	0.37
4.8	3.4	1.0	0.29
4.5	4.7	1.0	0.21
4.5	3.3	0.9	0.27
4.0	2.7	1.0	0.37
3.8	2.9	0.9	0.31
3.8	2.8	0.9	0.32
4.5	3.6	0.9	0.25
3.1	4.3	0.9	0.21
3.7	3.1	0.9	0.29
2.5	2.5	0.9	0.36
3.5	2.6	1.1	0.42
3.3	2.6	0.9	0.35
3.3	3.0	1.0	0.33
3.2	3.9	1.3	0.33
3.2	3.3	1.2	0.36
3.2	2.7	1.1	0.41
3.3	2.3	1.0	0.43
3.6	3.3	0.9	0.27
3.3	3.5	0.9	0.26
3.4	3.0	0.8	0.27
3.3	2.7	0.8	0.30
2.9	2.8	0.9	0.32
3.0	3.4	1.0	0.29
2.8	3.2	1.0	0.31
2.8	3.3	1.0	0.30
3.6	3.0	1.0	0.33
2.6	2.5	0.9	0.36
2.8	2.8	0.9	0.32
2.9	2.8	0.9	0.32

3.0	2.9	1.0	0.34
3.3	2.8	1.0	0.36
3.3	3.1	1.0	0.32
2.9	3.0	1.0	0.33
3.3	2.9	0.9	0.31
3.3	2.3	0.9	0.39
3.3	2.8	1.0	0.36
3.6	3.6	1.3	0.36
3.3	3.7	1.0	0.27
3.6	2.4	0.9	0.38
3.1	2.4	0.8	0.33
3.3	3.7	0.9	0.24
3.7	3.3	0.9	0.27
3.3	2.8	0.9	0.32
3.4	2.6	0.9	0.35
3.5	3.1	0.9	0.29
3.8	3.8	1.0	0.26
4.1	3.3	1.0	0.30
4.1	3.6	1.1	0.31
4.1	3.4	1.0	0.29
3.9	4.1	0.9	0.22
4.2	2.9	1.0	0.34
3.5	3.3	0.9	0.27
4.0	3.3	1.0	0.30
3.9	3.4	1.0	0.29
4.7	3.3	0.9	0.27
4.2	2.2	1.0	0.45
5.0	2.6	0.9	0.35
5.0	2.4	1.0	0.42
5.2	3.7	1.1	0.30
5.0	3.4	0.9	0.26
5.0	2.9	0.9	0.31
5.3	2.8	0.9	0.32
5.2	3.5	1.0	0.29
5.8	3.7	1.0	0.27
5.8	3.6	1.1	0.31
6.1	3.7	1.1	0.30
6.2	4.0	1.1	0.28
6.0	4.1	1.1	0.27
6.4	4.0	1.1	0.28
6.7	3.8	1.1	0.29
6.8	5.3	1.1	0.21
5.9	6.5	1.1	0.17
6.4	4.8	1.1	0.23

6.0	3.9	1.1	0.28
3.8	3.9	1.1	0.28
5.7	3.2	1.1	0.34
6.3	3.7	1.1	0.30
6.2	3.8	1.2	0.32
6.0	3.2	1.0	0.31
4.6	3.9	1.1	0.28
5.1	3.3	1.1	0.33
2.9	2.7	0.8	0.30
0.5	4.5	1.3	0.29
6.6	4.1	1.3	0.32
6.9	6.8	1.4	0.21
6.8	4.7	1.3	0.28
6.4	4.1	1.2	0.29
6.6	4.9	1.3	0.27
6.8	7.2	1.4	0.19
6.7	6.6	1.6	0.24
6.7	4.7	1.4	0.30
6.4	4.4	1.3	0.30
6.6	4.7	1.4	0.30
6.5	6.0	1.4	0.23
6.7	4.5	1.3	0.29
6.5	4.6	1.3	0.28
7.2	7.4	1.3	0.18
5.2	6.6	1.7	0.26
6.4	4.8	1.5	0.31
6.5	5.4	1.4	0.26
6.8	6.4	1.4	0.22
6.3	6.0	1.4	0.23
5.0	4.7	1.4	0.30
5.9	8.6	2.1	0.24
6.4	8.0	2.2	0.28
5.8	6.4	1.4	0.22
4.1	5.3	1.3	0.25
5.0	5.0	1.3	0.26
4.6	5.9	1.4	0.24
5.1	5.6	1.7	0.30
5.7	5.3	1.4	0.26
6.1	6.4	1.3	0.20
5.4	4.8	1.4	0.29
6.0	5.4	1.7	0.31
6.0	6.0	1.5	0.25
6.5	4.6	1.4	0.30
4.7	7.5	1.6	0.21

5.8	6.2	1.6	0.26
6.0	6.6	1.7	0.26
6.1	7.1	1.8	0.25
6.4	7.4	1.6	0.22
6.0	6.9	1.7	0.25
6.0	6.5	1.7	0.26
6.3	7.5	1.9	0.25
6.7	7.9	1.8	0.23
6.9	7.1	1.5	0.21
7.0	7.5	1.5	0.20
7.0	6.9	1.5	0.22
6.4	5.7	1.5	0.26
6.3	6.0	1.4	0.23
6.3	5.8	1.3	0.22
3.8	6.5	1.4	0.22
5.1	7.3	1.5	0.21
6.9	7.6	1.6	0.21
7.2	6.3	1.7	0.27
7.1	7.8	1.7	0.22
6.8	8.0	1.6	0.20
6.4	7.3	1.6	0.22
6.7	7.1	1.7	0.24
6.8	6.7	1.6	0.24
6.5	7.1	1.7	0.24
6.9	8.3	1.9	0.23
7.2	8.0	1.8	0.23
7.0	9.4	1.8	0.19
6.9	7.6	1.5	0.20
2.0	8.9	1.7	0.19
6.3	8.1	1.7	0.21
6.7	8.2	1.7	0.21
6.5	7.5	1.7	0.23
6.2	8.3	1.7	0.20
6.6	8.9	1.7	0.19
6.3	8.6	1.7	0.20
6.3	6.9	1.7	0.25
6.6	8.7	1.7	0.20
6.1	7.3	1.6	0.22
6.5	6.6	1.8	0.27
6.6	6.1	1.8	0.30
6.8	8.2	1.8	0.22
6.2	9.5	1.8	0.19
5.8	8.8	2.4	0.27
5.8	7.9	2.0	0.25

5.8	7.7	2.0	0.26
6.1	7.8	2.0	0.26
6.3	8.3	2.3	0.28
5.8	10.1	2.8	0.28
5.1			
5.4			