

Table S1.- Calibration values for the calculation of the underwater measurements of UVR

(λ)	aCos	Ucos	(λ)	aCos	Ucos	(λ)	aCos	Ucos	(λ)	aCos	Ucos
300	0.6696	26560	404	0.6937	91230	508	0.7119	238200	612	0.7259	240700
302	0.6701	27170	406	0.694	94440	510	0.7122	246100	614	0.7261	240400
304	0.6706	27760	408	0.6945	97310	512	0.7126	251400	616	0.7263	239900
306	0.6711	28330	410	0.6949	100300	514	0.7128	254100	618	0.7266	239300
308	0.6716	28860	412	0.6953	103200	516	0.7131	254800	620	0.7268	238600
310	0.6722	29380	414	0.6956	105900	518	0.7134	253700	622	0.7271	237800
312	0.6727	29860	416	0.696	108600	520	0.7137	251300	624	0.7273	237000
314	0.6732	30320	418	0.6964	111300	522	0.714	247800	626	0.7275	236200
316	0.6737	30750	420	0.6968	105900	524	0.7143	243500	628	0.7277	235400
318	0.6742	31160	422	0.6972	109100	526	0.7146	238800	630	0.7279	234700
320	0.6747	31540	424	0.6976	112500	528	0.7149	233800	632	0.7281	233700
322	0.6752	31890	426	0.698	115700	530	0.7152	228600	634	0.7284	232800
324	0.6757	32220	428	0.6983	118800	532	0.7155	223000	636	0.7286	231800
326	0.6762	32510	430	0.6987	122000	534	0.7158	217300	638	0.7289	230700
328	0.6767	32780	432	0.6991	124900	536	0.716	211400	640	0.7291	229700
330	0.6772	33030	434	0.6995	127900	538	0.7163	205500	642	0.7293	228600
332	0.6777	33240	436	0.6998	130700	540	0.7166	199500	644	0.7295	227500
334	0.6782	33440	438	0.7002	133700	542	0.7169	193200	646	0.7297	226400
336	0.6786	33590	440	0.7006	136500	544	0.7172	186700	648	0.7299	225000
338	0.6791	33730	442	0.7009	139200	546	0.7174	180000	650	0.7302	223800
340	0.6796	33840	444	0.7013	141700	548	0.7177	173300	652	0.7304	222500
342	0.6801	33920	446	0.7016	144200	550	0.718	166400	654	0.7306	221200
344	0.6805	33970	448	0.702	146800	552	0.7183	159500	656	0.7308	219900
346	0.681	33990	450	0.7024	149400	554	0.7185	152300	658	0.731	218600
348	0.6815	33990	452	0.7027	151700	556	0.7188	145200	660	0.7312	217200
350	0.6819	40100	454	0.7031	154000	558	0.7191	137900	662	0.7314	215900
352	0.6824	41850	456	0.7034	156100	560	0.7193	225400	664	0.7317	214400
354	0.6829	43930	458	0.7038	158500	562	0.7196	229000	666	0.7319	212900
356	0.6833	46210	460	0.7041	160600	564	0.7199	232000	668	0.7321	211200
358	0.6838	49010	462	0.7045	162800	566	0.7202	234200	670	0.7323	209700
360	0.6843	51820	464	0.7048	164800	568	0.7204	235800	672	0.7325	208100
362	0.6847	54500	466	0.7052	166800	570	0.7207	237000	674	0.7327	206400
364	0.6852	57130	468	0.7055	168600	572	0.7209	238100	676	0.7329	204800
366	0.6856	59340	470	0.7058	170300	574	0.7212	239000	678	0.7331	203000
368	0.686	61250	472	0.7061	172000	576	0.7214	239600	680	0.7333	216900
370	0.6865	63070	474	0.7065	173600	578	0.7217	240200	682	0.7336	215800
372	0.6869	64480	476	0.7068	175100	580	0.722	240700	684	0.7337	214500
374	0.6874	65730	478	0.7072	176500	582	0.7222	241200	686	0.7339	213200
376	0.6878	66700	480	0.7075	177700	584	0.7224	241600	688	0.7341	211800
378	0.6882	67360	482	0.7078	178600	586	0.7227	241900	690	0.7343	210400
380	0.6887	67920	484	0.7082	179200	588	0.723	242200	692	0.7346	209000
382	0.6891	68340	486	0.7085	179400	590	0.7232	242300	694	0.7348	207700
384	0.6895	68820	488	0.7088	179100	592	0.7234	242400	696	0.735	206100
386	0.6899	69510	490	0.7091	178100	594	0.7237	242500	698	0.7352	204600
388	0.6904	70460	492	0.7094	177000	596	0.7239	242500	700	0.7354	203100
390	0.6908	71980	494	0.7097	177200	598	0.7242	242400			
392	0.6912	74130	496	0.7101	179900	600	0.7244	242300			
394	0.6916	76630	498	0.7104	185700	602	0.7247	242100			
396	0.692	79280	500	0.7107	194800	604	0.7249	242000			
398	0.6924	82010	502	0.711	205700	606	0.7252	241800			
400	0.6928	85120	504	0.7113	217100	608	0.7254	241400			
402	0.6933	87980	506	0.7116	228200	610	0.7256	241000			

