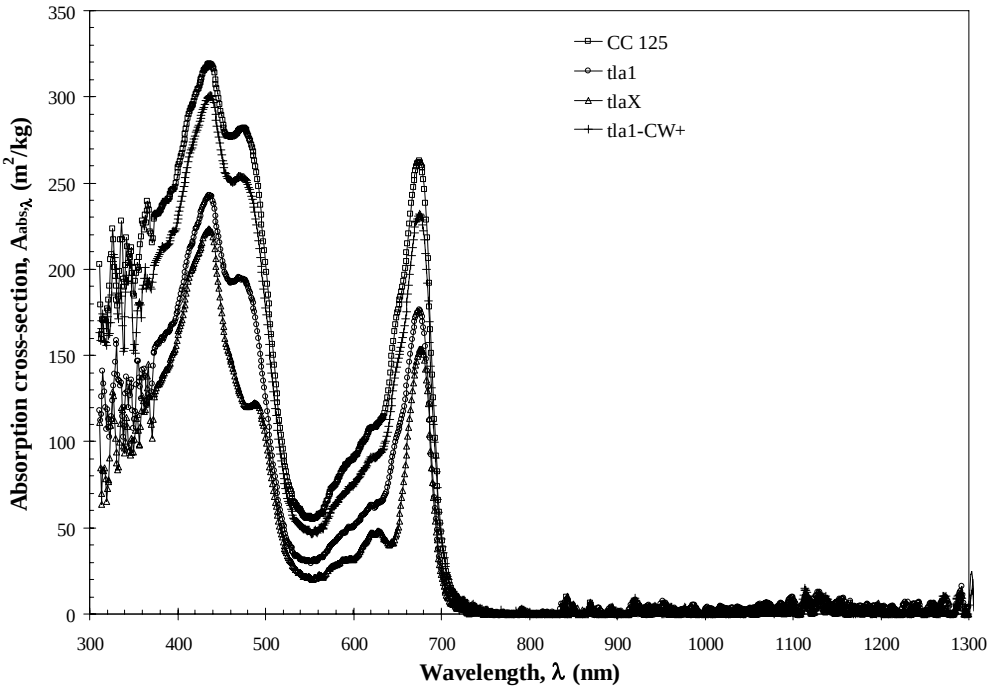
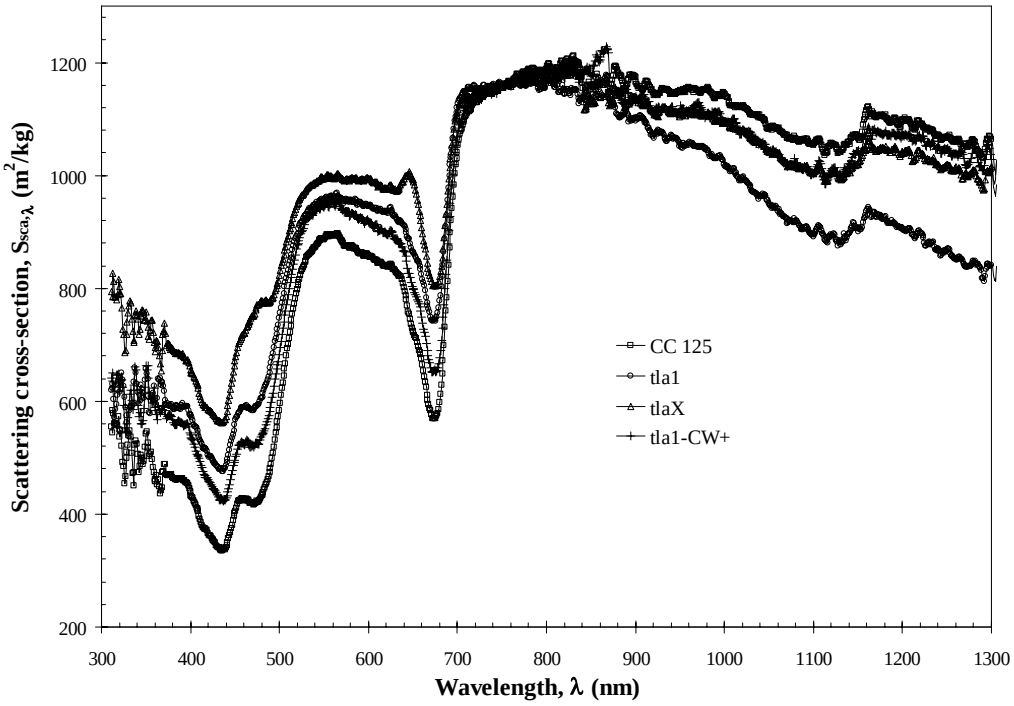
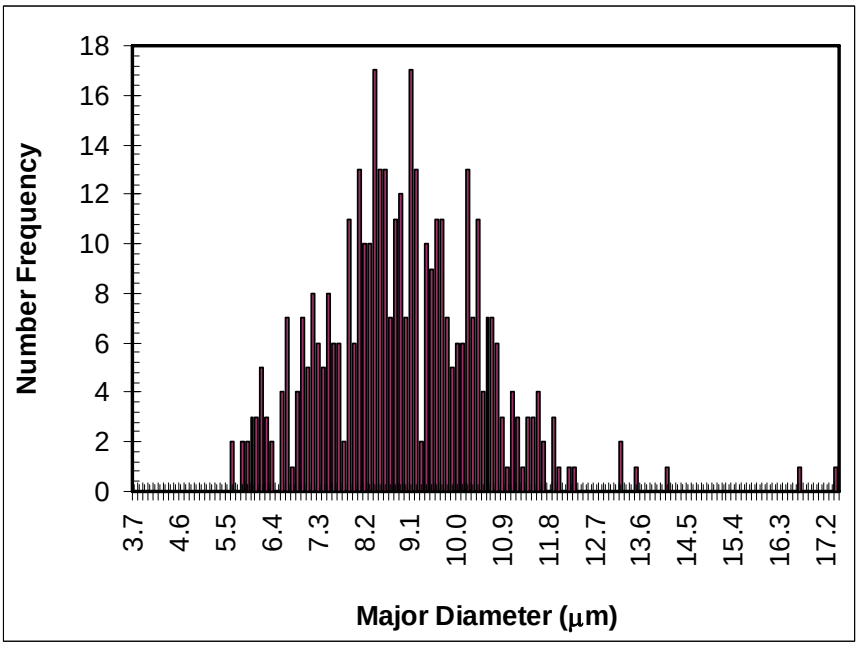
Absorption and scattering coefficients of Chlamydomonas reinhardtii and its mutants

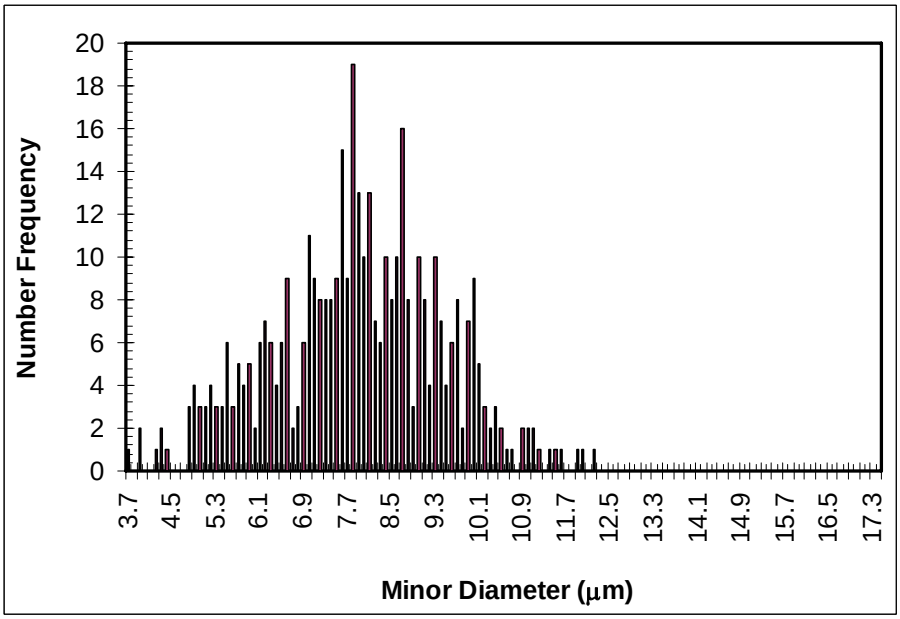
Source: H. Berberoglu, L. Pilon and A. Melis, Radiation Characteristics of *Chlamydomonas reinhardtii* CC125 and its truncated chlorophyll antenna transformants tla1, tlaX and tla1-CW^{+}, International Journal of Hydrogen Energy, vol. 33, pp. 6467-6483, 2008.
http://dx.doi.org/10.1016/j.ijhydene.2008.07.071





Absorption and scattering coefficients of Chlamydomonas reinhardtii CC125





Summary for CC125				
	Major Diameter (μm)	Minor Diameter (μm)	Circularity	Feret (μm)
Average	8.9	7.8	0.86	9.2
Stdev	1.6	1.6	0.06	1.6

Chlorophyll Concentrations			
Stats	**Chl a (g/kg)**	**Chl b (g/kg)**	**Chl tot (g/kg)**
Average	29.80 ± 2.03	14.53 ± 1.11	44.33 ± 3.14

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
311	202.69	554.99	757.68	0.73
312	179.50	543.91	723.41	0.75
313	159.29	584.16	743.45	0.79
314	162.38	577.43	739.81	0.78
315	170.88	559.36	730.24	0.77
316	170.30	560.64	730.94	0.77
317	170.84	558.83	729.67	0.77
318	172.05	555.64	727.69	0.76
319	163.83	573.02	736.85	0.78
320	176.76	548.46	725.22	0.76
321	182.29	536.19	718.48	0.75
322	175.98	547.55	723.54	0.76
323	190.45	520.75	711.20	0.73
324	205.75	491.00	696.76	0.70
325	208.64	483.87	692.50	0.70
326	223.13	454.54	677.67	0.67
327	217.31	466.09	683.40	0.68
328	201.17	498.15	699.32	0.71
329	196.10	509.22	705.32	0.72
330	190.05	523.08	713.13	0.73
331	182.22	538.29	720.51	0.75
332	178.47	546.99	725.46	0.75
333	184.13	536.78	720.91	0.74
334	198.66	507.28	705.93	0.72
335	217.11	471.04	688.15	0.68
336	228.25	449.48	677.72	0.66
337	217.15	473.70	690.85	0.69
338	194.02	521.93	715.95	0.73
339	189.80	530.11	719.91	0.74
340	192.24	524.14	716.38	0.73
341	202.18	505.54	707.72	0.71
342	218.27	474.24	692.50	0.68
343	213.19	484.10	697.29	0.69
344	203.30	504.10	707.39	0.71
345	208.54	494.30	702.84	0.70
346	206.55	498.85	705.40	0.71
347	212.62	488.87	701.50	0.70
348	210.44	494.17	704.61	0.70
349	197.55	518.09	715.63	0.72
350	185.40	542.32	727.72	0.75
351	184.53	544.91	729.43	0.75
352	193.24	525.83	719.07	0.73
353	197.61	516.22	713.82	0.72
354	203.95	502.38	706.33	0.71
355	201.07	506.88	707.95	0.72
356	199.55	509.97	709.52	0.72
357	206.70	497.40	704.11	0.71
358	214.43	482.79	697.22	0.69
359	218.87	473.73	692.60	0.68
360	227.73	457.47	685.20	0.67
361	226.38	460.95	687.33	0.67
362	222.80	468.21	691.02	0.68
363	231.21	452.39	683.60	0.66
364	226.70	461.79	688.49	0.67
365	233.75	447.79	681.54	0.66
366	239.67	435.76	675.43	0.65
367	237.03	441.30	678.33	0.65
368	234.44	447.28	681.73	0.66
369	221.58	472.99	694.57	0.68
370	220.45	476.12	696.57	0.68
371	215.22	487.59	702.82	0.69
372	217.54	488.56	706.09	0.69
373	228.86	470.95	699.80	0.67
374	230.12	468.84	698.96	0.67
375	231.28	468.13	699.41	0.67
376	231.98	470.30	702.28	0.67
377	232.68	470.55	703.23	0.67
378	232.26	470.36	702.62	0.67
379	232.30	469.51	701.81	0.67
380	233.73	463.95	697.68	0.66
381	234.28	462.95	697.24	0.66
382	235.85	462.39	698.25	0.66
383	236.80	461.48	698.28	0.66
384	236.90	461.86	698.77	0.66
385	238.35	460.70	699.05	0.66
386	239.55	460.55	700.09	0.66
387	239.57	462.42	701.99	0.66
388	239.71	463.05	702.75	0.66
389	240.33	462.64	702.97	0.66
390	240.82	463.42	704.23	0.66
391	241.77	463.17	704.94	0.66
392	243.66	458.77	702.43	0.65
393	244.93	459.06	703.99	0.65
394	245.92	459.45	705.38	0.65
395	246.36	455.55	701.91	0.65
396	246.39	455.13	701.52	0.65
397	247.68	454.65	702.33	0.65
398	249.75	451.00	700.75	0.64
399	253.17	444.50	697.67	0.64
400	256.17	438.97	695.14	0.63

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
401	258.65	432.70	691.35	0.63
402	260.46	430.41	690.86	0.62
403	262.32	428.57	690.89	0.62
404	265.07	423.57	688.64	0.62
405	266.80	420.49	687.29	0.61
406	269.70	415.27	684.97	0.61
407	272.77	410.38	683.15	0.60
408	274.97	408.70	683.67	0.60
409	278.11	404.44	682.55	0.59
410	281.42	396.86	678.28	0.59
411	284.19	390.34	674.54	0.58
412	287.44	384.63	672.06	0.57
413	289.73	380.18	669.91	0.57
414	291.68	376.81	668.48	0.56
415	293.11	374.67	667.77	0.56
416	293.58	374.88	668.46	0.56
417	294.81	372.61	667.42	0.56
418	295.78	372.46	668.23	0.56
419	297.46	370.68	668.14	0.55
420	299.73	365.64	665.37	0.55
421	301.12	362.36	663.49	0.55
422	302.25	362.66	664.92	0.55
423	303.89	360.43	664.32	0.54
424	304.85	357.47	662.33	0.54
425	306.70	355.25	661.95	0.54
426	308.47	352.85	661.32	0.53
427	309.68	350.97	660.66	0.53
428	311.03	349.00	660.03	0.53
429	313.51	344.55	658.06	0.52
430	315.00	341.52	656.51	0.52

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
431	315.89	340.33	656.22	0.52
432	317.05	339.77	656.83	0.52
433	316.72	339.89	656.61	0.52
434	317.56	337.27	654.82	0.52
435	318.49	335.60	654.09	0.51
436	319.33	334.33	653.66	0.51
437	319.10	336.17	655.27	0.51
438	318.47	337.78	656.26	0.51
439	318.54	337.44	655.98	0.51
440	317.22	339.89	657.11	0.52
441	316.03	343.58	659.62	0.52
442	313.76	349.83	663.59	0.53
443	310.16	356.12	666.28	0.53
444	307.18	361.53	668.71	0.54
445	304.52	368.07	672.59	0.55
446	301.73	373.79	675.52	0.55
447	299.05	380.80	679.85	0.56
448	295.51	389.52	685.03	0.57
449	291.82	396.11	687.93	0.58
450	289.01	402.09	691.10	0.58
451	286.20	406.11	692.31	0.59
452	283.82	411.13	694.95	0.59
453	281.74	418.70	700.44	0.60
454	279.53	422.82	702.35	0.60
455	278.22	423.06	701.28	0.60
456	277.47	424.20	701.67	0.60
457	277.16	425.30	702.47	0.61
458	277.11	426.01	703.12	0.61
459	277.05	426.72	703.76	0.61
460	276.53	426.17	702.70	0.61

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
461	276.84	423.86	700.70	0.60
462	277.01	425.26	702.27	0.61
463	276.68	427.71	704.39	0.61
464	277.45	425.25	702.70	0.61
465	277.44	424.59	702.04	0.60
466	277.55	422.78	700.33	0.60
467	278.61	420.16	698.77	0.60
468	279.24	419.99	699.22	0.60
469	279.84	419.95	699.79	0.60
470	280.37	419.18	699.55	0.60
471	280.96	416.73	697.69	0.60
472	281.25	417.45	698.71	0.60
473	281.20	419.54	700.74	0.60
474	281.54	420.44	701.97	0.60
475	281.65	422.38	704.03	0.60
476	281.63	421.67	703.30	0.60
477	281.37	421.36	702.73	0.60
478	280.74	424.44	705.18	0.60
479	279.62	429.09	708.71	0.61
480	278.41	432.43	710.84	0.61
481	277.15	434.50	711.66	0.61
482	275.73	437.81	713.54	0.61
483	274.30	442.29	716.59	0.62
484	272.36	447.27	719.63	0.62
485	270.52	451.67	722.20	0.63
486	268.24	456.36	724.60	0.63
487	265.66	460.69	726.35	0.63
488	262.93	466.32	729.25	0.64
489	259.52	473.64	733.16	0.65
490	255.91	481.44	737.35	0.65

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
491	252.08	488.83	740.91	0.66
492	247.88	498.37	746.25	0.67
493	242.92	508.36	751.29	0.68
494	237.37	518.80	756.16	0.69
495	231.23	532.07	763.30	0.70
496	225.98	542.98	768.97	0.71
497	220.71	553.38	774.09	0.71
498	215.88	563.04	778.92	0.72
499	210.54	572.00	782.54	0.73
500	204.14	584.17	788.31	0.74
501	198.18	596.97	795.15	0.75
502	191.51	610.09	801.60	0.76
503	185.30	623.39	808.70	0.77
504	179.70	632.90	812.60	0.78
505	173.56	644.20	817.76	0.79
506	167.81	656.93	824.74	0.80
507	162.35	666.96	829.31	0.80
508	156.20	680.56	836.76	0.81
509	149.86	692.61	842.47	0.82
510	144.12	700.84	844.97	0.83
511	138.21	712.19	850.39	0.84
512	132.79	722.88	855.68	0.84
513	127.68	733.17	860.85	0.85
514	122.56	743.59	866.15	0.86
515	117.08	754.78	871.85	0.87
516	112.39	764.22	876.61	0.87
517	107.78	772.71	880.49	0.88
518	103.61	780.98	884.59	0.88
519	99.77	790.11	889.88	0.89
520	95.47	798.40	893.87	0.89

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
521	91.58	804.60	896.18	0.90
522	88.15	810.28	898.43	0.90
523	85.09	814.89	899.97	0.91
524	82.35	822.26	904.61	0.91
525	79.11	830.76	909.86	0.91
526	76.46	834.42	910.88	0.92
527	74.42	836.81	911.23	0.92
528	72.40	841.56	913.96	0.92
529	70.83	845.95	916.78	0.92
530	69.37	849.00	918.36	0.92
531	67.00	854.77	921.77	0.93
532	65.58	857.26	922.84	0.93
533	64.75	858.68	923.43	0.93
534	63.88	860.43	924.31	0.93
535	63.29	861.89	925.18	0.93
536	62.51	864.76	927.26	0.93
537	61.22	866.22	927.44	0.93
538	60.83	868.14	928.97	0.93
539	60.68	871.05	931.73	0.93
540	60.20	872.37	932.57	0.94
541	59.66	872.85	932.50	0.94
542	58.53	876.26	934.80	0.94
543	57.45	879.43	936.88	0.94
544	56.74	881.26	938.00	0.94
545	56.41	883.31	939.71	0.94
546	55.74	886.11	941.85	0.94
547	55.35	887.55	942.91	0.94
548	55.56	888.46	944.02	0.94
549	55.97	887.60	943.57	0.94
550	56.54	886.36	942.90	0.94

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
551	56.04	887.74	943.78	0.94
552	55.30	890.81	946.10	0.94
553	54.77	894.14	948.91	0.94
554	54.79	894.84	949.62	0.94
555	55.30	892.95	948.25	0.94
556	55.54	891.88	947.43	0.94
557	55.45	893.95	949.41	0.94
558	55.32	895.01	950.33	0.94
559	55.87	894.81	950.68	0.94
560	56.64	894.92	951.56	0.94
561	58.00	893.08	951.08	0.94
562	57.86	893.99	951.85	0.94
563	58.02	893.04	951.06	0.94
564	58.23	894.11	952.34	0.94
565	58.13	897.38	955.51	0.94
566	59.28	896.62	955.89	0.94
567	61.16	892.23	953.39	0.94
568	61.77	889.51	951.28	0.94
569	63.32	885.36	948.68	0.93
570	65.33	882.54	947.88	0.93
571	65.97	884.52	950.48	0.93
572	68.04	881.25	949.30	0.93
573	69.50	875.63	945.13	0.93
574	70.22	875.47	945.69	0.93
575	71.97	875.83	947.81	0.92
576	72.66	875.09	947.75	0.92
577	73.58	874.36	947.94	0.92
578	73.83	875.05	948.88	0.92
579	74.38	872.02	946.40	0.92
580	75.27	871.89	947.16	0.92

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
581	76.45	874.24	950.70	0.92
582	77.41	874.89	952.31	0.92
583	77.90	872.52	950.43	0.92
584	78.87	870.21	949.07	0.92
585	79.77	870.73	950.51	0.92
586	81.30	870.44	951.74	0.91
587	82.58	869.32	951.89	0.91
588	83.41	865.54	948.95	0.91
589	84.29	862.24	946.52	0.91
590	84.81	861.79	946.60	0.91
591	85.72	861.02	946.74	0.91
592	86.39	862.51	948.90	0.91
593	86.61	862.72	949.32	0.91
594	87.35	859.89	947.24	0.91
595	88.19	857.81	946.00	0.91
596	88.69	857.50	946.19	0.91
597	88.89	859.42	948.31	0.91
598	89.26	861.07	950.33	0.91
599	89.11	860.69	949.79	0.91
600	89.95	857.61	947.56	0.91
601	91.29	855.76	947.04	0.90
602	91.36	856.69	948.04	0.90
603	92.28	855.24	947.52	0.90
604	92.35	855.69	948.04	0.90
605	92.82	854.74	947.56	0.90
606	94.50	850.97	945.47	0.90
607	95.49	850.13	945.63	0.90
608	97.01	850.13	947.14	0.90
609	97.80	850.44	948.24	0.90
610	98.61	847.94	946.55	0.90

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
611	99.39	844.71	944.10	0.89
612	99.84	845.03	944.87	0.89
613	100.88	844.66	945.54	0.89
614	101.61	845.64	947.25	0.89
615	102.48	845.36	947.84	0.89
616	104.04	840.15	944.19	0.89
617	105.33	838.83	944.16	0.89
618	106.22	840.43	946.65	0.89
619	107.28	839.30	946.58	0.89
620	107.96	839.97	947.93	0.89
621	107.87	839.59	947.45	0.89
622	108.39	837.76	946.15	0.89
623	108.43	839.20	947.63	0.89
624	108.14	841.31	949.45	0.89
625	108.37	842.46	950.83	0.89
626	109.01	840.59	949.61	0.89
627	109.24	837.45	946.69	0.88
628	110.02	834.41	944.43	0.88
629	110.55	833.03	943.57	0.88
630	111.25	831.05	942.30	0.88
631	112.23	828.49	940.72	0.88
632	112.70	827.35	940.04	0.88
633	113.41	824.94	938.35	0.88
634	113.71	822.99	936.71	0.88
635	114.71	821.36	936.07	0.88
636	116.49	821.74	938.23	0.88
637	118.89	821.11	939.99	0.87
638	122.03	815.30	937.33	0.87
639	125.30	807.62	932.92	0.87
640	129.29	800.93	930.21	0.86

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
641	134.15	794.81	928.96	0.86
642	139.85	786.61	926.46	0.85
643	144.74	779.29	924.03	0.84
644	149.57	768.24	917.81	0.84
645	154.12	758.81	912.92	0.83
646	158.12	754.44	912.55	0.83
647	163.61	744.68	908.29	0.82
648	168.11	736.06	904.17	0.81
649	171.58	729.27	900.85	0.81
650	174.67	723.21	897.88	0.81
651	176.71	721.28	897.99	0.80
652	179.25	716.99	896.24	0.80
653	182.01	712.38	894.40	0.80
654	184.13	710.45	894.59	0.79
655	186.85	704.28	891.13	0.79
656	189.84	697.39	887.23	0.79
657	192.90	690.45	883.35	0.78
658	196.36	685.50	881.86	0.78
659	200.54	681.62	882.15	0.77
660	204.52	674.86	879.38	0.77
661	209.61	664.45	874.06	0.76
662	214.95	653.07	868.03	0.75
663	220.49	642.88	863.37	0.74
664	226.37	634.63	861.00	0.74
665	232.10	624.69	856.79	0.73
666	238.34	611.36	849.70	0.72
667	243.17	602.05	845.21	0.71
668	247.66	594.02	841.68	0.71
669	251.61	587.77	839.38	0.70
670	254.61	583.08	837.69	0.70

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
671	257.00	576.65	833.65	0.69
672	259.31	569.23	828.55	0.69
673	261.04	568.19	829.23	0.69
674	261.81	569.09	830.90	0.68
675	262.75	569.12	831.87	0.68
676	261.71	572.27	833.98	0.69
677	260.25	573.82	834.07	0.69
678	258.72	577.72	836.43	0.69
679	256.07	585.35	841.43	0.70
680	251.92	597.87	849.79	0.70
681	246.25	612.68	858.93	0.71
682	238.34	628.26	866.61	0.72
683	228.63	647.81	876.44	0.74
684	218.21	670.94	889.15	0.75
685	206.00	698.40	904.40	0.77
686	192.17	730.69	922.86	0.79
687	178.12	759.39	937.52	0.81
688	164.81	783.48	948.29	0.83
689	151.32	812.92	964.24	0.84
690	138.51	841.76	980.27	0.86
691	125.67	870.69	996.35	0.87
692	112.99	899.27	1012.27	0.89
693	101.90	920.72	1022.61	0.90
694	91.78	940.85	1032.63	0.91
695	82.52	962.04	1044.56	0.92
696	73.81	983.17	1056.99	0.93
697	65.73	1003.77	1069.51	0.94
698	58.77	1019.03	1077.81	0.95
699	52.78	1029.78	1082.56	0.95
700	47.32	1040.81	1088.13	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
701	42.17	1053.62	1095.79	0.96
702	37.70	1064.71	1102.41	0.97
703	33.86	1072.35	1106.21	0.97
704	30.17	1078.14	1108.30	0.97
705	27.64	1082.46	1110.11	0.98
706	24.83	1089.57	1114.40	0.98
707	22.44	1095.47	1117.90	0.98
708	21.00	1098.67	1119.67	0.98
709	18.74	1103.39	1122.13	0.98
710	16.49	1106.03	1122.51	0.99
711	15.07	1108.90	1123.97	0.99
712	13.45	1112.63	1126.08	0.99
713	12.79	1113.53	1126.31	0.99
714	12.86	1114.85	1127.71	0.99
715	11.72	1116.77	1128.49	0.99
716	10.59	1117.96	1128.56	0.99
717	9.11	1123.08	1132.19	0.99
718	7.61	1127.19	1134.81	0.99
719	7.58	1129.30	1136.89	0.99
720	7.10	1131.77	1138.87	0.99
721	7.44	1129.54	1136.99	0.99
722	7.20	1129.73	1136.93	0.99
723	6.18	1132.23	1138.41	0.99
724	6.10	1132.33	1138.42	0.99
725	4.82	1136.23	1141.05	1.00
726	4.50	1138.24	1142.74	1.00
727	4.14	1138.18	1142.32	1.00
728	3.28	1137.65	1140.93	1.00
729	3.05	1138.47	1141.52	1.00
730	3.12	1141.49	1144.61	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
731	2.86	1142.74	1145.60	1.00
732	1.93	1144.78	1146.72	1.00
733	1.95	1145.41	1147.36	1.00
734	1.43	1147.41	1148.84	1.00
735	2.56	1146.33	1148.89	1.00
736	3.48	1147.12	1150.59	1.00
737	3.25	1147.61	1150.85	1.00
738	3.23	1143.49	1146.72	1.00
739	3.04	1143.39	1146.44	1.00
740	3.05	1147.26	1150.31	1.00
741	3.08	1151.62	1154.70	1.00
742	2.82	1152.51	1155.33	1.00
743	1.90	1150.29	1152.19	1.00
744	1.53	1148.12	1149.65	1.00
745	1.73	1150.04	1151.77	1.00
746	0.66	1155.29	1155.96	1.00
747	0.00	1161.36	1160.60	1.00
748	0.00	1160.91	1160.07	1.00
749	0.00	1158.36	1157.66	1.00
750	0.70	1157.45	1158.16	1.00
750	0.70	1157.45	1158.16	1.00
751	2.03	1157.18	1159.21	1.00
752	1.31	1160.56	1161.87	1.00
753	1.06	1161.03	1162.09	1.00
754	0.32	1160.23	1160.55	1.00
755	0.76	1158.32	1159.08	1.00
756	1.13	1159.15	1160.28	1.00
757	0.93	1163.20	1164.14	1.00
758	0.46	1166.16	1166.61	1.00
759	0.00	1164.40	1163.93	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
761	0.00	1161.67	1161.67	1.00
762	0.77	1164.64	1165.41	1.00
763	0.58	1166.95	1167.53	1.00
764	0.00	1170.75	1169.55	1.00
765	0.00	1170.75	1168.70	1.00
766	0.00	1173.67	1169.79	1.00
767	0.00	1178.91	1173.72	1.00
768	0.00	1178.68	1175.43	1.00
769	0.00	1178.02	1174.87	1.00
770	0.00	1172.23	1170.71	1.00
771	0.00	1167.43	1167.31	1.00
772	0.00	1169.50	1168.58	1.00
773	0.00	1177.80	1175.50	1.00
774	0.00	1182.25	1179.02	1.00
775	0.00	1182.37	1178.90	1.00
776	0.00	1180.78	1176.37	1.00
777	0.00	1174.25	1170.92	1.00
778	0.00	1177.61	1173.28	1.00
779	0.00	1184.03	1178.50	1.00
780	0.00	1186.03	1180.87	1.00
781	0.00	1188.03	1182.18	1.00
782	0.00	1183.94	1179.87	1.00
783	0.00	1185.52	1180.94	1.00
784	0.00	1188.30	1182.79	1.00
785	0.00	1190.02	1183.83	1.01
786	0.00	1189.01	1183.24	1.00
787	0.00	1184.05	1180.24	1.00
788	0.00	1179.68	1178.36	1.00
789	0.00	1181.87	1180.65	1.00
790	0.00	1185.56	1182.71	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
791	0.00	1183.11	1179.78	1.00
792	0.00	1183.94	1179.72	1.00
793	0.00	1186.14	1181.72	1.00
794	0.00	1182.74	1179.94	1.00
795	0.00	1183.53	1180.32	1.00
796	0.00	1185.34	1182.35	1.00
797	0.00	1183.55	1181.57	1.00
798	0.00	1185.46	1182.25	1.00
799	0.00	1185.20	1181.29	1.00
800	0.00	1188.62	1183.15	1.00
801	0.00	1194.57	1188.27	1.01
802	0.00	1197.74	1190.68	1.01
803	0.00	1196.51	1189.79	1.01
804	0.00	1191.24	1185.11	1.01
805	0.00	1189.83	1184.18	1.00
806	0.00	1189.06	1184.84	1.00
807	0.00	1187.99	1185.26	1.00
808	0.00	1189.30	1186.56	1.00
809	0.00	1184.97	1181.67	1.00
810	0.00	1181.67	1178.89	1.00
811	0.00	1190.43	1185.84	1.00
812	0.00	1189.63	1186.62	1.00
813	0.00	1183.68	1183.11	1.00
814	0.00	1184.83	1182.81	1.00
815	0.00	1190.54	1186.00	1.00
816	0.00	1197.49	1190.05	1.01
817	0.00	1202.12	1191.84	1.01
818	0.00	1201.30	1191.25	1.01
819	0.00	1194.65	1187.84	1.01
820	0.00	1192.41	1185.95	1.01

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
821	0.00	1193.12	1187.03	1.01
822	0.00	1201.50	1192.41	1.01
823	0.00	1204.80	1193.86	1.01
824	0.00	1205.55	1194.86	1.01
825	0.00	1200.66	1192.64	1.01
826	0.00	1192.79	1187.76	1.00
827	0.00	1190.50	1185.78	1.00
828	0.00	1194.00	1188.21	1.00
829	0.00	1203.99	1194.57	1.01
830	0.00	1210.04	1197.93	1.01
831	0.00	1212.66	1198.69	1.01
832	0.00	1203.17	1192.35	1.01
833	0.00	1198.32	1190.84	1.01
834	0.00	1201.27	1194.35	1.01
835	0.00	1198.56	1193.36	1.00
836	0.00	1198.39	1192.17	1.01
837	0.00	1194.71	1187.23	1.01
838	0.00	1191.01	1185.37	1.00
839	0.00	1187.01	1185.71	1.00
840	3.86	1179.17	1183.03	1.00
841	6.07	1154.94	1161.01	0.99
842	9.49	1128.66	1138.15	0.99
843	7.98	1134.06	1142.05	0.99
844	5.73	1141.35	1147.08	1.00
845	1.60	1151.07	1152.67	1.00
846	0.00	1159.00	1157.89	1.00
847	0.00	1158.41	1157.55	1.00
848	0.00	1164.85	1160.57	1.00
849	0.00	1160.26	1160.04	1.00
850	0.00	1157.41	1157.30	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
851	0.00	1158.81	1156.35	1.00
852	0.09	1152.88	1152.97	1.00
853	0.00	1155.49	1154.15	1.00
854	0.00	1157.07	1154.97	1.00
855	0.00	1160.98	1157.80	1.00
856	0.00	1173.67	1165.97	1.01
857	0.00	1180.18	1169.60	1.01
858	0.00	1172.63	1164.48	1.01
859	0.00	1162.69	1157.46	1.00
860	0.00	1160.47	1157.53	1.00
861	0.00	1160.25	1159.74	1.00
862	0.00	1165.53	1163.51	1.00
863	0.00	1164.64	1162.20	1.00
864	0.00	1160.42	1158.28	1.00
865	0.00	1160.32	1158.10	1.00
866	0.00	1162.55	1160.51	1.00
867	0.00	1167.37	1166.25	1.00
868	2.28	1168.44	1170.72	1.00
869	4.72	1161.81	1166.53	1.00
870	6.03	1147.54	1153.57	0.99
871	2.97	1146.47	1149.45	1.00
872	0.00	1153.51	1152.83	1.00
873	0.00	1160.82	1158.26	1.00
874	0.00	1169.41	1162.48	1.01
875	0.00	1174.97	1165.02	1.01
876	0.00	1186.59	1171.93	1.01
877	0.00	1192.23	1175.88	1.01
878	0.00	1194.38	1178.25	1.01
879	0.00	1191.37	1177.64	1.01
880	0.00	1186.03	1176.55	1.01

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
881	0.00	1181.38	1172.79	1.01
882	0.00	1176.51	1169.82	1.01
883	0.00	1178.44	1171.08	1.01
884	0.00	1176.28	1169.66	1.01
885	0.00	1172.65	1166.79	1.01
886	0.00	1166.11	1161.53	1.00
887	0.00	1159.24	1156.64	1.00
888	0.00	1151.73	1151.15	1.00
889	0.00	1154.56	1154.09	1.00
890	0.00	1157.20	1156.32	1.00
891	0.00	1160.54	1158.63	1.00
892	0.00	1170.20	1164.77	1.00
893	0.00	1169.00	1164.90	1.00
894	0.00	1177.48	1172.73	1.00
895	0.00	1178.45	1174.94	1.00
896	0.00	1173.37	1170.99	1.00
897	0.00	1176.73	1172.22	1.00
898	0.00	1176.06	1172.11	1.00
899	0.00	1175.79	1171.85	1.00
900	0.00	1173.66	1168.98	1.00
901	0.00	1165.31	1163.15	1.00
902	0.00	1162.22	1160.36	1.00
903	0.00	1158.01	1155.65	1.00
904	0.00	1154.62	1152.89	1.00
905	0.00	1157.51	1152.94	1.00
906	0.00	1153.52	1148.76	1.00
907	0.00	1153.45	1147.93	1.00
908	0.00	1152.17	1147.00	1.00
909	0.00	1150.17	1146.55	1.00
910	0.00	1154.58	1150.70	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
911	0.00	1161.62	1158.16	1.00
912	0.00	1166.40	1162.99	1.00
913	0.00	1166.59	1163.04	1.00
914	0.00	1165.40	1161.73	1.00
915	0.00	1159.28	1158.08	1.00
916	0.00	1155.62	1155.52	1.00
917	0.00	1156.56	1155.18	1.00
918	0.00	1150.97	1150.82	1.00
919	0.00	1151.77	1150.46	1.00
920	0.00	1146.99	1146.44	1.00
921	1.07	1142.46	1143.53	1.00
922	1.66	1142.64	1144.30	1.00
923	0.37	1142.49	1142.87	1.00
924	0.00	1142.70	1142.48	1.00
925	1.07	1141.26	1142.33	1.00
926	0.95	1144.28	1145.23	1.00
927	0.70	1145.00	1145.71	1.00
928	0.00	1145.03	1144.96	1.00
929	0.00	1149.72	1148.26	1.00
930	0.00	1154.29	1150.65	1.00
931	0.00	1152.83	1149.52	1.00
932	0.00	1152.31	1148.79	1.00
933	0.00	1153.03	1148.47	1.00
934	0.00	1151.34	1146.72	1.00
935	0.00	1152.11	1146.80	1.00
936	0.00	1151.90	1147.18	1.00
937	0.00	1150.70	1146.62	1.00
938	0.00	1147.95	1144.67	1.00
939	0.00	1143.35	1142.01	1.00
940	0.00	1145.43	1144.40	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
941	0.00	1146.70	1145.82	1.00
942	0.00	1146.19	1145.66	1.00
943	0.00	1143.93	1143.77	1.00
944	0.00	1143.56	1143.35	1.00
945	0.00	1143.97	1143.97	1.00
946	0.25	1144.99	1145.24	1.00
947	0.00	1146.87	1145.73	1.00
948	0.00	1148.68	1145.78	1.00
949	0.00	1147.41	1144.52	1.00
950	0.00	1146.38	1143.82	1.00
951	0.00	1150.99	1148.39	1.00
952	0.00	1147.09	1146.74	1.00
953	0.00	1147.57	1147.26	1.00
954	0.14	1152.96	1153.10	1.00
955	1.15	1148.87	1150.02	1.00
956	0.00	1147.09	1146.98	1.00
957	0.00	1151.68	1149.69	1.00
958	0.00	1153.76	1150.69	1.00
959	0.00	1153.24	1149.76	1.00
960	0.00	1155.23	1150.90	1.00
961	0.00	1154.56	1151.16	1.00
962	0.00	1153.50	1149.67	1.00
963	0.00	1153.67	1150.03	1.00
964	0.00	1150.92	1148.15	1.00
965	0.00	1146.97	1144.63	1.00
966	0.00	1150.09	1146.61	1.00
967	0.00	1153.38	1147.99	1.00
968	0.00	1151.77	1146.06	1.00
969	0.00	1150.42	1144.17	1.01
970	0.00	1150.27	1144.98	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
971	0.00	1149.90	1146.28	1.00
972	0.00	1146.14	1144.08	1.00
973	0.00	1144.88	1143.80	1.00
974	0.00	1147.44	1146.24	1.00
975	0.00	1148.50	1147.30	1.00
976	0.00	1151.03	1149.29	1.00
977	0.00	1153.18	1150.98	1.00
978	0.00	1150.53	1148.07	1.00
979	0.00	1150.11	1147.35	1.00
980	0.00	1152.87	1148.53	1.00
981	0.00	1153.70	1148.96	1.00
982	0.00	1155.43	1149.44	1.01
983	0.00	1152.30	1145.49	1.01
984	0.00	1149.06	1142.70	1.01
985	0.00	1147.13	1141.71	1.00
986	0.00	1145.04	1141.47	1.00
987	0.00	1141.67	1139.20	1.00
988	0.00	1138.22	1136.35	1.00
989	0.00	1136.44	1134.72	1.00
990	0.00	1136.76	1135.09	1.00
991	0.00	1139.13	1136.27	1.00
992	0.00	1139.86	1136.73	1.00
993	0.00	1143.26	1138.89	1.00
994	0.00	1142.42	1138.15	1.00
995	0.00	1141.65	1138.72	1.00
996	0.00	1139.47	1136.17	1.00
997	0.00	1139.46	1135.72	1.00
998	0.00	1143.53	1137.84	1.01
999	0.00	1146.19	1138.87	1.01
1000	0.00	1145.85	1138.62	1.01

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1001	0.00	1143.10	1136.68	1.01
1002	0.00	1140.09	1134.90	1.00
1003	0.00	1137.37	1132.86	1.00
1004	0.00	1137.36	1133.07	1.00
1005	0.00	1131.03	1127.76	1.00
1006	0.00	1127.62	1124.64	1.00
1007	0.00	1122.95	1120.97	1.00
1008	0.00	1122.71	1121.90	1.00
1009	0.00	1124.46	1123.94	1.00
1010	0.00	1123.00	1122.77	1.00
1011	0.00	1122.97	1121.61	1.00
1012	0.00	1120.63	1117.44	1.00
1013	0.00	1124.29	1119.46	1.00
1014	0.00	1122.88	1117.76	1.00
1015	0.00	1122.34	1117.41	1.00
1016	0.00	1121.41	1116.74	1.00
1017	0.00	1121.98	1117.64	1.00
1018	0.00	1121.52	1116.86	1.00
1019	0.00	1119.58	1115.12	1.00
1020	0.00	1123.63	1119.28	1.00
1021	0.00	1123.63	1119.41	1.00
1022	0.00	1122.19	1117.77	1.00
1023	0.00	1119.89	1114.93	1.00
1024	0.00	1118.94	1114.22	1.00
1025	0.00	1117.33	1112.78	1.00
1026	0.00	1116.96	1112.41	1.00
1027	0.00	1114.72	1110.60	1.00
1028	0.00	1110.37	1106.18	1.00
1029	0.00	1109.08	1105.52	1.00
1030	0.00	1107.79	1105.20	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1031	0.00	1107.62	1104.89	1.00
1032	0.00	1107.61	1104.60	1.00
1033	0.00	1107.79	1103.85	1.00
1034	0.00	1106.79	1102.26	1.00
1035	0.00	1106.65	1102.45	1.00
1036	0.00	1106.02	1102.37	1.00
1037	0.00	1107.64	1103.63	1.00
1038	0.00	1106.02	1101.43	1.00
1039	0.00	1102.30	1097.30	1.00
1040	0.00	1106.55	1101.07	1.00
1041	0.00	1102.57	1098.06	1.00
1042	0.00	1101.90	1097.83	1.00
1043	0.00	1102.00	1098.16	1.00
1044	0.00	1097.74	1094.43	1.00
1045	0.00	1099.16	1095.83	1.00
1046	0.00	1096.15	1093.88	1.00
1047	0.00	1090.52	1089.47	1.00
1048	0.00	1084.05	1083.84	1.00
1049	0.00	1083.03	1082.93	1.00
1050	0.00	1082.48	1081.90	1.00
1051	0.00	1083.86	1082.38	1.00
1052	0.00	1085.01	1082.55	1.00
1053	0.00	1081.21	1078.02	1.00
1054	0.00	1083.90	1080.10	1.00
1055	0.00	1087.81	1084.05	1.00
1056	0.00	1086.23	1082.50	1.00
1057	0.00	1084.44	1081.10	1.00
1058	0.00	1084.84	1082.03	1.00
1059	0.00	1081.42	1079.05	1.00
1060	0.00	1081.29	1079.87	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1061	0.00	1083.79	1083.11	1.00
1062	0.00	1078.57	1078.51	1.00
1063	0.00	1077.87	1077.61	1.00
1064	0.00	1076.86	1076.26	1.00
1065	0.00	1076.07	1075.18	1.00
1066	0.00	1074.15	1073.64	1.00
1067	0.38	1071.01	1071.40	1.00
1068	0.43	1071.09	1071.53	1.00
1069	0.23	1070.66	1070.89	1.00
1070	0.00	1070.55	1070.46	1.00
1071	0.01	1065.14	1065.15	1.00
1072	0.00	1065.43	1065.21	1.00
1073	0.04	1064.21	1064.26	1.00
1074	0.00	1065.16	1064.84	1.00
1075	0.00	1065.58	1064.48	1.00
1076	0.00	1064.52	1063.01	1.00
1077	0.00	1061.48	1059.61	1.00
1078	0.00	1062.63	1060.99	1.00
1079	0.00	1069.07	1067.57	1.00
1080	0.00	1065.21	1064.51	1.00
1081	0.08	1063.37	1063.45	1.00
1082	0.21	1062.27	1062.48	1.00
1083	0.07	1060.16	1060.22	1.00
1084	0.00	1059.34	1059.26	1.00
1085	0.00	1062.94	1062.78	1.00
1086	0.00	1062.56	1062.23	1.00
1087	0.00	1062.43	1061.40	1.00
1088	0.00	1062.09	1060.34	1.00
1089	0.00	1062.77	1059.71	1.00
1090	0.00	1064.98	1061.67	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1091	0.00	1061.42	1059.10	1.00
1092	0.00	1063.67	1061.34	1.00
1093	0.00	1063.68	1062.55	1.00
1094	0.00	1059.90	1058.85	1.00
1095	0.00	1057.72	1056.06	1.00
1096	0.00	1055.10	1055.08	1.00
1097	0.44	1054.33	1054.77	1.00
1098	0.34	1055.33	1055.67	1.00
1099	0.74	1054.67	1055.41	1.00
1100	0.78	1053.21	1053.98	1.00
1101	0.00	1057.41	1056.79	1.00
1102	0.00	1058.50	1057.70	1.00
1103	0.00	1058.30	1056.65	1.00
1104	0.00	1061.83	1058.47	1.00
1105	0.00	1062.21	1057.63	1.00
1106	0.00	1064.65	1059.36	1.00
1107	0.00	1064.48	1059.48	1.00
1108	0.00	1059.98	1056.09	1.00
1109	0.00	1053.95	1052.29	1.00
1110	0.64	1050.08	1050.72	1.00
1111	2.51	1046.53	1049.03	1.00
1112	4.43	1040.27	1044.70	1.00
1113	6.87	1036.09	1042.96	0.99
1114	7.45	1038.74	1046.19	0.99
1115	7.55	1039.83	1047.38	0.99
1116	7.11	1040.95	1048.06	0.99
1117	4.10	1051.00	1055.10	1.00
1118	3.00	1051.01	1054.01	1.00
1119	2.19	1050.80	1052.99	1.00
1120	0.00	1057.30	1056.76	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1121	0.00	1057.46	1056.75	1.00
1122	0.00	1055.51	1054.32	1.00
1123	0.00	1053.10	1052.57	1.00
1124	0.11	1054.05	1054.16	1.00
1125	0.66	1052.67	1053.33	1.00
1126	3.12	1050.60	1053.72	1.00
1127	4.24	1046.10	1050.34	1.00
1128	7.82	1039.25	1047.06	0.99
1129	8.55	1040.46	1049.01	0.99
1130	8.07	1040.13	1048.20	0.99
1131	7.12	1040.78	1047.89	0.99
1132	4.60	1043.74	1048.34	1.00
1133	4.40	1044.34	1048.74	1.00
1134	3.12	1048.38	1051.49	1.00
1135	1.74	1053.47	1055.20	1.00
1136	1.24	1054.84	1056.08	1.00
1137	0.63	1053.50	1054.14	1.00
1138	2.19	1053.68	1055.87	1.00
1139	3.03	1058.22	1061.25	1.00
1140	2.41	1058.83	1061.24	1.00
1141	3.48	1055.18	1058.66	1.00
1142	1.18	1065.89	1067.08	1.00
1143	1.88	1066.42	1068.29	1.00
1144	1.73	1067.47	1069.20	1.00
1145	0.46	1070.56	1071.03	1.00
1146	0.54	1067.89	1068.43	1.00
1147	0.00	1070.66	1069.70	1.00
1148	0.00	1071.26	1069.78	1.00
1149	0.00	1072.18	1069.88	1.00
1150	0.00	1067.77	1065.85	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1151	0.00	1065.65	1064.72	1.00
1152	0.70	1062.45	1063.15	1.00
1153	1.52	1062.17	1063.69	1.00
1154	0.87	1067.70	1068.57	1.00
1155	0.81	1077.55	1078.36	1.00
1156	1.04	1089.59	1090.63	1.00
1157	1.29	1098.24	1099.53	1.00
1158	2.41	1101.71	1104.12	1.00
1159	0.13	1106.78	1106.91	1.00
1160	0.00	1114.19	1111.05	1.00
1161	0.00	1119.17	1114.03	1.00
1162	0.00	1122.46	1115.87	1.01
1163	0.00	1115.86	1111.44	1.00
1164	0.00	1109.44	1106.28	1.00
1165	0.00	1104.55	1102.44	1.00
1166	0.00	1107.22	1104.90	1.00
1167	0.00	1113.16	1109.57	1.00
1168	0.00	1109.10	1106.52	1.00
1169	0.00	1106.12	1105.28	1.00
1170	0.05	1104.16	1104.21	1.00
1171	0.17	1102.62	1102.79	1.00
1172	0.00	1106.02	1105.58	1.00
1173	0.00	1105.59	1104.82	1.00
1174	0.00	1106.17	1105.02	1.00
1175	0.00	1107.00	1105.06	1.00
1176	0.00	1105.51	1103.08	1.00
1177	0.00	1105.59	1101.70	1.00
1178	0.00	1105.56	1101.13	1.00
1179	0.00	1103.89	1099.66	1.00
1180	0.00	1103.81	1100.92	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1181	0.00	1107.82	1103.85	1.00
1182	0.00	1099.59	1096.96	1.00
1183	0.00	1098.15	1096.38	1.00
1184	0.00	1099.33	1097.20	1.00
1185	0.00	1095.95	1095.59	1.00
1186	0.00	1092.52	1092.25	1.00
1187	0.04	1092.72	1092.75	1.00
1188	0.00	1096.00	1094.76	1.00
1189	0.00	1094.60	1093.43	1.00
1190	0.00	1098.60	1096.21	1.00
1191	0.00	1100.72	1096.96	1.00
1192	0.00	1102.82	1098.62	1.00
1193	0.00	1099.45	1095.21	1.00
1194	0.00	1092.28	1090.80	1.00
1195	0.91	1090.23	1091.15	1.00
1196	3.07	1088.63	1091.70	1.00
1197	3.51	1084.76	1088.27	1.00
1198	1.56	1086.65	1088.21	1.00
1199	0.00	1094.63	1093.55	1.00
1200	0.00	1097.57	1094.21	1.00
1201	0.00	1095.99	1091.64	1.00
1202	0.00	1098.76	1093.49	1.00
1203	0.00	1101.28	1096.19	1.00
1204	0.00	1098.29	1093.97	1.00
1205	0.00	1096.24	1092.38	1.00
1206	0.00	1097.64	1093.55	1.00
1207	0.00	1097.89	1092.55	1.00
1208	0.00	1095.90	1091.17	1.00
1209	0.00	1094.86	1090.42	1.00
1210	0.00	1092.02	1088.36	1.00

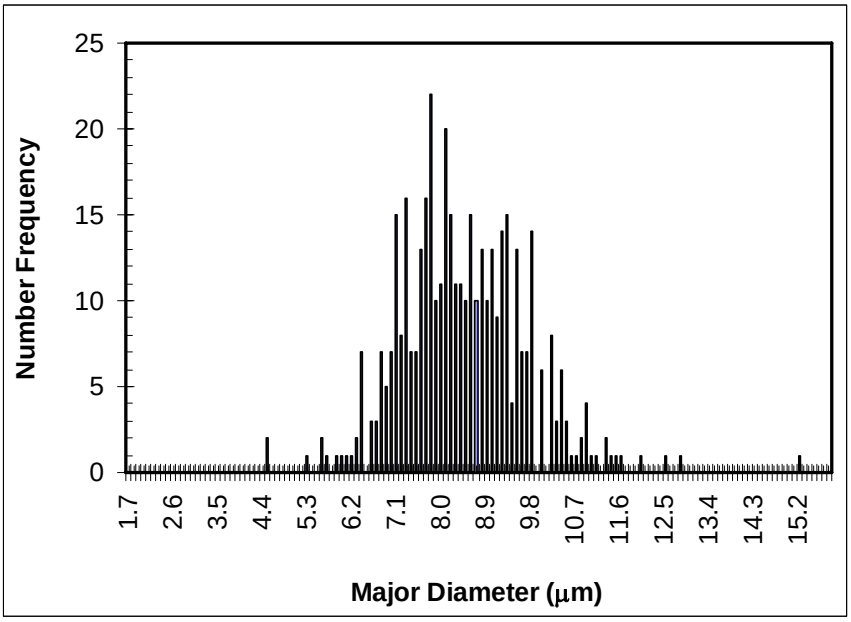
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1211	0.00	1084.02	1083.13	1.00
1212	0.00	1083.15	1082.45	1.00
1213	0.00	1081.69	1081.05	1.00
1214	0.00	1080.89	1079.60	1.00
1215	0.00	1084.35	1081.24	1.00
1216	0.00	1090.13	1085.19	1.00
1217	0.00	1095.82	1089.30	1.01
1218	0.00	1094.01	1087.61	1.01
1219	0.00	1096.18	1089.28	1.01
1220	0.00	1091.03	1085.30	1.01
1221	0.00	1089.45	1083.26	1.01
1222	0.00	1091.30	1084.89	1.01
1223	0.00	1087.77	1083.64	1.00
1224	0.00	1086.06	1082.56	1.00
1225	0.00	1083.72	1081.91	1.00
1226	0.00	1080.54	1079.26	1.00
1227	0.00	1081.62	1078.86	1.00
1228	0.00	1084.32	1081.70	1.00
1229	0.00	1082.74	1080.08	1.00
1230	0.00	1082.66	1080.05	1.00
1231	0.00	1077.98	1076.89	1.00
1232	0.00	1077.32	1075.28	1.00
1233	0.00	1079.85	1076.78	1.00
1234	0.00	1080.11	1076.78	1.00
1235	0.00	1079.14	1075.09	1.00
1236	0.00	1072.93	1070.50	1.00
1237	0.00	1068.75	1068.45	1.00
1238	0.00	1069.62	1069.34	1.00
1239	0.00	1070.13	1070.08	1.00
1240	0.33	1070.96	1071.29	1.00

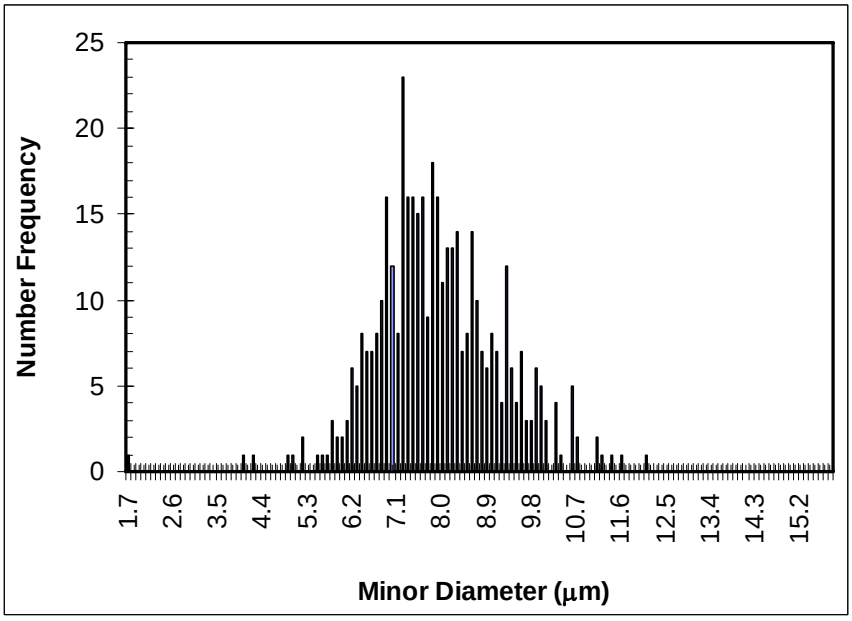
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1241	0.00	1071.65	1071.34	1.00
1242	0.03	1069.39	1069.43	1.00
1243	0.41	1062.65	1063.06	1.00
1244	0.10	1061.48	1061.58	1.00
1245	0.00	1063.90	1063.44	1.00
1246	0.00	1065.83	1064.38	1.00
1247	0.00	1066.30	1064.07	1.00
1248	0.00	1065.67	1062.63	1.00
1249	0.00	1067.63	1064.76	1.00
1250	0.00	1066.09	1064.39	1.00
1251	0.00	1067.12	1065.45	1.00
1252	0.00	1068.17	1066.80	1.00
1253	0.00	1071.45	1068.27	1.00
1254	0.00	1066.48	1063.59	1.00
1255	0.00	1061.52	1060.01	1.00
1256	0.00	1064.00	1063.05	1.00
1257	0.20	1060.96	1061.16	1.00
1258	0.00	1058.10	1057.93	1.00
1259	0.00	1060.67	1058.96	1.00
1260	0.00	1062.22	1060.49	1.00
1261	0.00	1058.69	1057.30	1.00
1262	0.00	1058.57	1056.47	1.00
1263	0.00	1062.71	1059.34	1.00
1264	0.00	1064.13	1060.02	1.00
1265	0.00	1060.86	1058.01	1.00
1266	0.00	1054.27	1054.02	1.00
1267	3.35	1046.43	1049.78	1.00
1268	3.55	1047.32	1050.87	1.00
1269	1.86	1050.98	1052.84	1.00
1270	0.00	1054.94	1053.85	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1271	0.00	1056.01	1053.64	1.00
1272	0.00	1054.45	1052.20	1.00
1273	0.00	1051.83	1050.88	1.00
1274	1.67	1049.24	1050.90	1.00
1275	0.00	1053.78	1053.50	1.00
1276	0.00	1056.59	1054.92	1.00
1277	0.00	1057.52	1054.38	1.00
1278	0.00	1061.51	1056.40	1.00
1279	0.00	1062.64	1057.03	1.01
1280	0.00	1062.35	1056.08	1.01
1281	0.00	1060.89	1054.98	1.01
1282	0.00	1059.01	1052.60	1.01
1283	0.00	1051.77	1048.14	1.00
1284	0.00	1046.13	1045.73	1.00
1285	1.42	1043.40	1044.82	1.00
1286	3.93	1038.91	1042.84	1.00
1287	3.28	1040.35	1043.63	1.00
1288	3.23	1039.58	1042.80	1.00
1289	5.41	1037.25	1042.66	0.99
1290	6.71	1032.59	1039.30	0.99
1291	8.05	1029.63	1037.68	0.99
1292	7.42	1031.57	1038.99	0.99
1293	0.26	1045.59	1045.86	1.00
1294	0.00	1057.15	1053.37	1.00
1295	0.00	1061.62	1055.18	1.01
1296	0.00	1064.69	1056.11	1.01
1297	0.00	1063.08	1055.18	1.01
1298	0.00	1068.89	1057.89	1.01
1299	0.00	1068.30	1057.65	1.01
1300	0.00	1064.44	1056.82	1.01

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1301	0.00	1055.21	1053.16	1.00
1302	9.74	1030.63	1040.37	0.99
1303	18.19	1010.87	1029.05	0.98
1304	21.40	1005.76	1027.16	0.98
1305	25.06	1001.67	1026.72	0.98
1306	13.47	1025.73	1039.20	0.99
1307	11.63	1029.10	1040.73	0.99
1308	11.75	1025.76	1037.51	0.99
1309	9.34	1028.01	1037.35	0.99
1310	17.42	1011.43	1028.85	0.98
1311	15.14	1017.04	1032.18	0.99

Absorption and scattering coefficients of Chlamydomonas reinhardtii tla1





Summary for CC125				
	Major Diameter (μm)	Minor Diameter (μm)	Circularity	Feret (μm)
Average	8.4	7.9	0.90	8.8
Stdev	1.3	1.3	0.07	1.3

Chlorophyll Concentrations			
Stats	Chl a (g/kg)	Chl b (g/kg)	Chl tot (g/kg)
Average	18.98 ± 1.36	8.67 ± 0.66	27.65 ± 2.03

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
311	117.82	619.47	737.28	0.84
312	112.22	630.95	743.17	0.85
313	115.88	623.51	739.39	0.84
314	125.84	602.45	728.29	0.83
315	140.72	571.11	711.83	0.80
316	133.57	585.16	718.73	0.81
317	129.04	593.37	722.41	0.82
318	119.80	610.12	729.92	0.84
319	107.32	635.37	742.69	0.86
320	118.54	615.89	734.43	0.84
321	112.57	629.63	742.20	0.85
322	108.16	638.16	746.32	0.86
323	102.46	650.17	752.62	0.86
324	108.42	638.18	746.60	0.85
325	114.31	625.85	740.15	0.85
326	123.55	607.34	730.89	0.83
327	132.18	589.67	721.84	0.82
328	139.13	574.76	713.89	0.81
329	146.09	562.38	708.47	0.79
330	156.63	544.95	701.58	0.78
331	158.83	541.87	700.70	0.77
332	138.75	583.16	721.90	0.81
333	135.79	590.25	726.04	0.81
334	135.02	591.56	726.58	0.81
335	132.10	596.70	728.80	0.82
336	134.19	593.56	727.75	0.82
337	114.63	634.10	748.73	0.85
338	102.67	659.94	762.61	0.87
339	108.71	650.46	759.17	0.86
340	119.88	629.63	749.52	0.84

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
341	127.61	616.07	743.68	0.83
342	137.43	595.31	732.75	0.81
343	128.79	610.46	739.24	0.83
344	119.67	628.62	748.29	0.84
345	134.09	601.44	735.53	0.82
346	126.37	620.72	747.09	0.83
347	130.93	614.72	745.65	0.82
348	135.70	604.68	740.38	0.82
349	118.20	637.37	755.56	0.84
350	107.51	657.22	764.73	0.86
351	112.83	647.61	760.45	0.85
352	117.56	638.58	756.14	0.84
353	132.75	608.07	740.82	0.82
354	146.49	579.50	725.99	0.80
355	146.81	578.55	725.36	0.80
356	137.12	599.72	736.84	0.81
357	134.35	607.80	742.15	0.82
358	131.80	613.76	745.56	0.82
359	124.65	627.00	751.65	0.83
360	141.39	592.11	733.50	0.81
361	136.96	601.55	738.51	0.81
362	141.95	594.16	736.11	0.81
363	137.87	604.95	742.82	0.81
364	121.28	639.39	760.66	0.84
365	122.13	638.26	760.39	0.84
366	120.98	640.96	761.94	0.84
367	127.09	629.18	756.28	0.83
368	125.52	632.38	757.90	0.83
369	125.39	633.65	759.04	0.83
370	128.88	627.13	756.01	0.83

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
371	133.26	617.23	750.50	0.82
372	143.57	602.14	745.71	0.81
373	151.41	593.18	744.59	0.80
374	151.77	595.61	747.38	0.80
375	154.05	593.24	747.29	0.79
376	155.49	592.35	747.83	0.79
377	156.40	591.55	747.95	0.79
378	156.68	592.23	748.90	0.79
379	156.50	594.40	750.91	0.79
380	158.15	588.35	746.51	0.79
381	159.40	584.54	743.94	0.79
382	160.18	585.55	745.73	0.79
383	159.88	587.51	747.39	0.79
384	158.94	590.25	749.19	0.79
385	159.70	592.86	752.56	0.79
386	161.27	590.59	751.85	0.79
387	162.40	588.44	750.84	0.78
388	163.28	586.34	749.62	0.78
389	163.27	585.88	749.15	0.78
390	163.22	591.59	754.81	0.78
391	164.14	595.65	759.79	0.78
392	165.24	591.51	756.75	0.78
393	166.81	589.13	755.94	0.78
394	167.91	591.10	759.01	0.78
395	168.03	591.04	759.06	0.78
396	168.65	591.56	760.22	0.78
397	169.79	590.46	760.26	0.78
398	171.51	584.36	755.87	0.77
399	173.97	576.54	750.51	0.77
400	175.57	576.09	751.66	0.77

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
401	177.62	574.00	751.62	0.76
402	179.75	570.87	750.62	0.76
403	182.49	565.34	747.84	0.76
404	185.56	558.40	743.96	0.75
405	187.63	555.48	743.11	0.75
406	189.87	555.53	745.40	0.75
407	192.74	552.47	745.20	0.74
408	195.23	546.78	742.01	0.74
409	198.36	541.23	739.60	0.73
410	201.56	536.21	737.77	0.73
411	204.10	532.01	736.11	0.72
412	207.26	527.79	735.05	0.72
413	209.66	523.57	733.23	0.71
414	212.05	517.43	729.48	0.71
415	213.28	515.58	728.85	0.71
416	213.45	517.27	730.71	0.71
417	214.68	516.36	731.04	0.71
418	216.00	515.68	731.69	0.70
419	218.51	511.79	730.30	0.70
420	221.32	504.90	726.22	0.70
421	223.20	501.07	724.28	0.69
422	224.22	502.23	726.45	0.69
423	225.53	501.95	727.48	0.69
424	226.83	499.16	725.99	0.69
425	229.04	495.70	724.74	0.68
426	231.07	493.38	724.45	0.68
427	232.92	490.67	723.58	0.68
428	234.04	489.32	723.35	0.68
429	235.82	486.70	722.52	0.67
430	237.31	484.17	721.48	0.67

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
431	238.36	482.33	720.69	0.67
432	240.26	479.38	719.65	0.67
433	240.31	479.78	720.10	0.67
434	241.17	480.20	721.37	0.67
435	241.73	480.07	721.79	0.67
436	242.78	475.59	718.37	0.66
437	243.14	475.41	718.55	0.66
438	242.24	480.22	722.47	0.66
439	242.17	481.06	723.23	0.67
440	239.49	486.05	725.54	0.67
441	237.62	490.99	728.62	0.67
442	235.02	497.41	732.44	0.68
443	230.89	505.00	735.89	0.69
444	227.51	512.77	740.29	0.69
445	224.37	522.71	747.07	0.70
446	221.53	529.80	751.33	0.71
447	218.98	535.24	754.23	0.71
448	215.66	540.42	756.08	0.71
449	211.52	547.42	758.94	0.72
450	208.10	557.64	765.73	0.73
451	204.59	566.89	771.49	0.73
452	202.20	570.29	772.49	0.74
453	200.92	573.25	774.17	0.74
454	198.48	578.17	776.65	0.74
455	197.15	580.17	777.32	0.75
456	196.04	583.81	779.85	0.75
457	194.34	587.77	782.11	0.75
458	193.46	588.83	782.29	0.75
459	192.96	588.95	781.91	0.75
460	192.15	588.80	780.95	0.75

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
461	192.48	588.02	780.50	0.75
462	192.49	591.26	783.75	0.75
463	192.31	592.59	784.90	0.75
464	192.91	586.98	779.89	0.75
465	192.72	586.53	779.25	0.75
466	192.90	588.24	781.14	0.75
467	193.53	586.84	780.38	0.75
468	194.05	585.70	779.75	0.75
469	194.95	583.68	778.64	0.75
470	195.14	583.27	778.41	0.75
471	194.88	584.03	778.91	0.75
472	194.66	587.20	781.86	0.75
473	193.79	590.70	784.49	0.75
474	193.97	591.22	785.19	0.75
475	194.36	591.33	785.69	0.75
476	193.57	592.86	786.43	0.75
477	193.42	594.51	787.93	0.75
478	192.34	599.89	792.22	0.76
479	191.21	604.85	796.06	0.76
480	190.59	605.19	795.77	0.76
481	189.24	607.31	796.54	0.76
482	187.28	614.32	801.60	0.77
483	186.01	619.49	805.50	0.77
484	183.58	624.99	808.57	0.77
485	181.95	628.69	810.64	0.78
486	180.29	631.36	811.65	0.78
487	177.19	637.08	814.27	0.78
488	175.02	642.87	817.90	0.79
489	171.61	650.89	822.50	0.79
490	167.83	659.90	827.73	0.80

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
491	163.82	668.97	832.79	0.80
492	159.59	676.71	836.30	0.81
493	155.16	685.17	840.32	0.82
494	150.84	695.43	846.27	0.82
495	146.83	705.02	851.86	0.83
496	143.28	710.91	854.19	0.83
497	139.08	718.71	857.79	0.84
498	135.16	726.65	861.81	0.84
499	130.91	735.09	866.00	0.85
500	125.99	746.60	872.59	0.86
501	122.31	755.67	877.97	0.86
502	117.52	765.54	883.07	0.87
503	113.03	774.14	887.17	0.87
504	108.36	781.38	889.74	0.88
505	103.71	791.16	894.88	0.88
506	99.64	802.47	902.10	0.89
507	95.49	810.34	905.83	0.89
508	91.58	817.60	909.17	0.90
509	86.57	825.49	912.06	0.91
510	82.94	831.57	914.51	0.91
511	79.55	840.81	920.36	0.91
512	76.31	848.41	924.72	0.92
513	73.21	854.34	927.55	0.92
514	69.91	859.18	929.09	0.92
515	65.85	867.30	933.15	0.93
516	63.21	875.55	938.76	0.93
517	59.99	882.81	942.79	0.94
518	57.19	887.73	944.92	0.94
519	55.12	892.14	947.26	0.94
520	52.41	894.65	947.06	0.94

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
521	50.88	896.73	947.60	0.95
522	48.47	905.18	953.65	0.95
523	46.40	910.35	956.74	0.95
524	44.13	914.05	958.17	0.95
525	42.49	915.97	958.46	0.96
526	41.53	918.13	959.66	0.96
527	40.72	923.00	963.72	0.96
528	39.70	926.55	966.25	0.96
529	38.53	928.74	967.27	0.96
530	38.17	928.27	966.44	0.96
531	36.29	931.76	968.06	0.96
532	35.52	934.16	969.69	0.96
533	34.42	938.81	973.22	0.96
534	33.38	941.06	974.44	0.97
535	33.79	940.37	974.16	0.97
536	33.64	940.41	974.05	0.97
537	33.08	939.04	972.12	0.97
538	32.65	942.93	975.58	0.97
539	32.12	946.43	978.56	0.97
540	31.31	947.43	978.74	0.97
541	31.29	949.28	980.57	0.97
542	30.99	951.67	982.66	0.97
543	31.13	949.66	980.78	0.97
544	31.33	948.29	979.62	0.97
545	31.10	950.85	981.95	0.97
546	30.45	954.90	985.34	0.97
547	30.12	956.87	986.99	0.97
548	30.83	957.45	988.28	0.97
549	30.77	954.91	985.68	0.97
550	31.05	953.56	984.61	0.97

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
551	30.15	957.15	987.30	0.97
552	29.44	960.19	989.63	0.97
553	30.12	961.82	991.94	0.97
554	30.83	958.82	989.65	0.97
555	31.61	955.27	986.88	0.97
556	31.49	957.44	988.94	0.97
557	30.89	961.84	992.73	0.97
558	30.12	963.51	993.63	0.97
559	30.29	962.65	992.94	0.97
560	30.83	961.38	992.20	0.97
561	32.08	958.12	990.20	0.97
562	32.60	957.90	990.49	0.97
563	32.76	961.20	993.96	0.97
564	32.79	966.39	999.18	0.97
565	32.70	967.89	1000.59	0.97
566	32.94	963.66	996.60	0.97
567	34.12	958.22	992.34	0.97
568	34.13	958.57	992.70	0.97
569	34.81	959.80	994.61	0.97
570	36.30	957.77	994.07	0.96
571	36.25	957.97	994.23	0.96
572	37.63	954.83	992.46	0.96
573	38.94	950.97	989.91	0.96
574	38.67	954.68	993.34	0.96
575	39.65	957.77	997.42	0.96
576	40.02	957.02	997.04	0.96
577	40.46	955.62	996.07	0.96
578	41.13	955.04	996.17	0.96
579	42.04	951.85	993.89	0.96
580	41.92	955.93	997.85	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
581	42.77	956.63	999.39	0.96
582	43.29	952.97	996.26	0.96
583	43.41	952.55	995.96	0.96
584	44.40	953.95	998.35	0.96
585	44.62	957.19	1001.81	0.96
586	45.40	956.21	1001.62	0.95
587	46.47	950.26	996.73	0.95
588	46.84	946.39	993.23	0.95
589	46.96	949.04	996.00	0.95
590	46.85	952.53	999.38	0.95
591	47.20	952.47	999.67	0.95
592	47.74	951.47	999.21	0.95
593	48.55	948.14	996.69	0.95
594	49.30	946.21	995.52	0.95
595	50.16	945.12	995.27	0.95
596	49.98	946.37	996.35	0.95
597	49.98	948.75	998.73	0.95
598	50.38	948.14	998.53	0.95
599	50.11	945.90	996.01	0.95
600	50.53	945.37	995.89	0.95
601	51.23	945.92	997.15	0.95
602	50.95	947.78	998.73	0.95
603	51.91	946.58	998.49	0.95
604	52.55	943.40	995.94	0.95
605	52.90	940.95	993.85	0.95
606	53.74	940.74	994.47	0.95
607	53.99	942.61	996.60	0.95
608	54.63	942.55	997.17	0.95
609	55.64	941.47	997.11	0.94
610	56.54	938.70	995.24	0.94

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
611	57.03	936.37	993.40	0.94
612	57.16	939.48	996.64	0.94
613	58.02	938.97	996.98	0.94
614	58.52	939.38	997.90	0.94
615	59.48	937.07	996.55	0.94
616	60.26	933.82	994.08	0.94
617	60.73	934.76	995.48	0.94
618	60.94	936.46	997.40	0.94
619	61.71	936.23	997.94	0.94
620	62.84	936.30	999.15	0.94
621	62.76	934.88	997.63	0.94
622	62.93	933.40	996.33	0.94
623	62.64	936.40	999.04	0.94
624	61.53	941.67	1003.20	0.94
625	61.92	943.63	1005.55	0.94
626	63.30	938.71	1002.01	0.94
627	63.11	934.39	997.50	0.94
628	64.53	929.03	993.56	0.94
629	64.71	927.64	992.36	0.93
630	64.30	929.25	993.55	0.94
631	65.15	925.16	990.31	0.93
632	64.68	922.60	987.28	0.93
633	65.33	918.76	984.09	0.93
634	66.13	916.69	982.82	0.93
635	66.86	919.89	986.76	0.93
636	68.09	920.93	989.02	0.93
637	69.29	918.52	987.81	0.93
638	70.72	915.47	986.19	0.93
639	73.04	912.44	985.48	0.93
640	75.48	911.42	986.90	0.92

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
641	79.01	909.71	988.71	0.92
642	82.32	904.78	987.10	0.92
643	84.70	899.09	983.79	0.91
644	88.14	890.86	979.00	0.91
645	91.29	887.38	978.66	0.91
646	93.57	886.87	980.44	0.90
647	96.92	879.02	975.94	0.90
648	99.92	870.94	970.86	0.90
649	101.74	866.26	968.00	0.89
650	103.90	864.05	967.96	0.89
651	105.57	863.17	968.74	0.89
652	107.24	860.15	967.39	0.89
653	109.08	857.47	966.55	0.89
654	110.69	852.98	963.67	0.89
655	112.96	848.79	961.75	0.88
656	114.95	847.67	962.62	0.88
657	117.38	843.65	961.03	0.88
658	120.43	839.81	960.25	0.87
659	124.33	833.50	957.83	0.87
660	127.50	825.44	952.93	0.87
661	132.51	816.46	948.97	0.86
662	136.83	810.02	946.85	0.86
663	140.66	804.44	945.10	0.85
664	145.87	795.01	940.88	0.84
665	150.47	783.64	934.11	0.84
666	155.01	773.80	928.81	0.83
667	159.22	768.53	927.75	0.83
668	163.12	763.44	926.56	0.82
669	166.02	758.25	924.27	0.82
670	169.55	749.16	918.70	0.82

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
671	171.77	743.82	915.60	0.81
672	172.93	742.40	915.33	0.81
673	174.43	743.88	918.31	0.81
674	175.19	743.32	918.51	0.81
675	176.36	742.29	918.65	0.81
676	175.60	745.72	921.32	0.81
677	174.10	749.01	923.11	0.81
678	172.44	755.76	928.19	0.81
679	169.76	765.64	935.40	0.82
680	166.27	777.41	943.67	0.82
681	162.49	787.71	950.20	0.83
682	155.20	802.86	958.06	0.84
683	147.64	820.72	968.35	0.85
684	140.65	840.60	981.25	0.86
685	131.51	863.89	995.40	0.87
686	122.22	887.94	1010.16	0.88
687	112.36	908.77	1021.12	0.89
688	101.71	929.42	1031.12	0.90
689	92.10	955.36	1047.46	0.91
690	83.48	978.03	1061.51	0.92
691	75.16	1000.22	1075.38	0.93
692	67.77	1019.11	1086.88	0.94
693	61.25	1032.60	1093.85	0.94
694	55.10	1047.61	1102.71	0.95
695	48.63	1065.07	1113.70	0.96
696	42.83	1082.87	1125.70	0.96
697	37.56	1096.63	1134.19	0.97
698	32.96	1104.42	1137.37	0.97
699	29.58	1110.19	1139.77	0.97
700	26.12	1119.18	1145.30	0.98

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
701	23.44	1127.37	1150.81	0.98
702	21.45	1133.29	1154.73	0.98
703	19.65	1136.02	1155.67	0.98
704	17.62	1137.66	1155.28	0.98
705	15.54	1141.27	1156.81	0.99
706	13.87	1145.25	1159.12	0.99
707	12.48	1149.33	1161.81	0.99
708	12.48	1148.10	1160.58	0.99
709	10.98	1147.69	1158.68	0.99
710	9.15	1147.97	1157.11	0.99
711	8.32	1150.37	1158.70	0.99
712	6.67	1155.74	1162.41	0.99
713	6.13	1156.33	1162.46	0.99
714	6.38	1153.91	1160.29	0.99
715	5.50	1152.26	1157.76	1.00
716	4.34	1152.93	1157.27	1.00
717	4.26	1154.91	1159.17	1.00
718	3.26	1157.42	1160.68	1.00
719	2.75	1160.47	1163.22	1.00
720	3.18	1158.13	1161.31	1.00
721	3.01	1154.36	1157.37	1.00
722	3.87	1154.43	1158.30	1.00
723	4.83	1155.04	1159.87	1.00
724	5.46	1153.28	1158.73	1.00
725	5.27	1152.57	1157.84	1.00
726	4.87	1151.00	1155.87	1.00
727	3.83	1151.67	1155.50	1.00
728	2.94	1154.73	1157.68	1.00
729	1.76	1158.83	1160.60	1.00
730	1.26	1160.11	1161.37	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
731	1.96	1154.53	1156.49	1.00
732	1.26	1154.60	1155.86	1.00
733	2.68	1154.68	1157.36	1.00
734	2.25	1157.77	1160.02	1.00
735	2.05	1157.49	1159.54	1.00
736	2.98	1156.41	1159.39	1.00
737	1.67	1158.02	1159.69	1.00
738	0.85	1156.28	1157.13	1.00
739	1.32	1156.82	1158.13	1.00
740	0.61	1160.13	1160.74	1.00
741	1.85	1160.54	1162.39	1.00
742	3.10	1158.10	1161.20	1.00
743	2.31	1154.47	1156.79	1.00
744	2.33	1152.37	1154.71	1.00
745	0.78	1158.95	1159.73	1.00
746	0.00	1163.29	1162.97	1.00
747	0.00	1165.50	1164.12	1.00
748	0.00	1161.41	1160.38	1.00
749	0.44	1157.90	1158.34	1.00
750	0.74	1160.72	1161.46	1.00
751	0.93	1161.27	1162.20	1.00
752	0.83	1160.96	1161.80	1.00
753	0.31	1161.21	1161.52	1.00
754	0.00	1160.91	1160.58	1.00
755	0.86	1159.20	1160.06	1.00
756	0.19	1162.20	1162.39	1.00
757	0.02	1163.74	1163.76	1.00
758	0.00	1165.60	1165.57	1.00
759	0.00	1162.30	1161.59	1.00
760	0.05	1157.29	1157.34	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
761	0.00	1161.67	1161.67	1.00
762	0.23	1164.62	1164.85	1.00
763	0.00	1162.99	1162.79	1.00
764	0.00	1162.86	1161.77	1.00
765	0.00	1161.53	1160.69	1.00
766	0.00	1164.16	1162.63	1.00
767	0.00	1168.20	1166.41	1.00
768	0.00	1166.23	1165.89	1.00
769	0.00	1165.54	1164.25	1.00
770	0.16	1159.24	1159.40	1.00
771	0.00	1158.50	1158.51	1.00
772	0.00	1164.23	1163.03	1.00
773	0.00	1168.40	1167.34	1.00
774	0.00	1169.26	1167.50	1.00
775	0.51	1161.66	1162.17	1.00
776	0.10	1159.72	1159.82	1.00
777	0.34	1158.01	1158.35	1.00
778	0.00	1160.07	1159.89	1.00
779	0.00	1164.61	1162.53	1.00
780	0.00	1162.66	1161.50	1.00
781	0.00	1163.16	1161.37	1.00
782	0.00	1162.54	1161.34	1.00
783	0.03	1161.88	1161.91	1.00
784	0.00	1163.48	1163.00	1.00
785	0.00	1164.37	1163.54	1.00
786	0.00	1164.15	1162.61	1.00
787	0.00	1165.36	1162.63	1.00
788	0.00	1163.56	1162.41	1.00
789	0.00	1163.10	1162.90	1.00
790	0.52	1161.64	1162.16	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
791	2.33	1153.89	1156.22	1.00
792	2.84	1150.69	1153.53	1.00
793	2.18	1152.78	1154.96	1.00
794	2.09	1152.73	1154.83	1.00
795	1.06	1155.73	1156.80	1.00
796	0.53	1158.91	1159.43	1.00
797	1.59	1155.25	1156.84	1.00
798	0.84	1153.55	1154.39	1.00
799	0.00	1155.07	1154.14	1.00
800	0.00	1161.12	1158.19	1.00
801	0.00	1169.56	1164.54	1.00
802	0.00	1171.25	1165.53	1.00
803	0.00	1167.36	1161.94	1.00
804	0.00	1163.98	1157.85	1.01
805	0.00	1167.01	1160.44	1.01
806	0.00	1168.66	1162.98	1.00
807	0.00	1166.41	1162.44	1.00
808	0.00	1161.68	1159.65	1.00
809	0.00	1155.49	1152.96	1.00
810	0.00	1156.09	1153.17	1.00
811	0.00	1167.29	1161.22	1.01
812	0.00	1169.31	1162.51	1.01
813	0.00	1159.05	1155.26	1.00
814	0.00	1146.51	1146.43	1.00
815	0.98	1146.41	1147.39	1.00
816	0.97	1148.66	1149.63	1.00
817	0.79	1148.89	1149.68	1.00
818	0.00	1158.84	1154.82	1.00
819	0.00	1152.27	1150.79	1.00
820	0.58	1144.27	1144.84	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
821	1.06	1144.29	1145.35	1.00
822	0.82	1150.34	1151.17	1.00
823	0.00	1153.26	1151.75	1.00
824	0.00	1152.46	1149.48	1.00
825	0.00	1148.26	1146.95	1.00
826	0.00	1144.34	1144.18	1.00
827	1.24	1142.07	1143.31	1.00
828	0.00	1148.17	1147.81	1.00
829	0.00	1153.71	1150.26	1.00
830	0.00	1150.98	1147.58	1.00
831	0.00	1153.05	1147.54	1.00
832	0.00	1150.89	1146.23	1.00
833	0.00	1153.09	1149.11	1.00
834	0.00	1150.59	1148.01	1.00
835	0.00	1143.76	1143.60	1.00
836	2.60	1136.44	1139.03	1.00
837	5.71	1127.27	1132.98	0.99
838	4.79	1133.04	1137.82	1.00
839	5.73	1135.33	1141.06	0.99
840	4.68	1136.08	1140.75	1.00
841	2.54	1137.82	1140.36	1.00
842	2.10	1138.37	1140.46	1.00
843	0.00	1144.80	1143.91	1.00
844	0.00	1147.38	1145.82	1.00
845	0.00	1150.85	1147.33	1.00
846	0.00	1148.76	1145.61	1.00
847	0.84	1139.13	1139.97	1.00
848	1.09	1139.78	1140.87	1.00
849	5.26	1136.62	1141.88	1.00
850	5.38	1135.95	1141.34	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
851	0.85	1142.87	1143.72	1.00
852	1.03	1142.94	1143.98	1.00
853	0.00	1154.23	1150.63	1.00
854	0.00	1157.00	1151.36	1.00
855	0.00	1157.44	1152.66	1.00
856	0.00	1163.52	1158.55	1.00
857	0.00	1162.66	1159.37	1.00
858	0.00	1158.42	1156.75	1.00
859	0.00	1156.13	1153.53	1.00
860	0.00	1163.45	1158.53	1.00
861	0.00	1165.54	1162.37	1.00
862	0.00	1168.23	1165.61	1.00
863	0.00	1165.74	1165.57	1.00
864	1.39	1160.15	1161.54	1.00
865	0.45	1162.32	1162.77	1.00
866	0.00	1171.46	1170.56	1.00
867	0.00	1177.82	1176.42	1.00
868	1.75	1173.53	1175.28	1.00
869	0.77	1176.37	1177.14	1.00
870	2.22	1174.26	1176.48	1.00
871	1.63	1147.91	1149.54	1.00
872	0.00	1129.60	1128.79	1.00
873	0.00	1133.16	1133.14	1.00
874	0.00	1131.97	1130.42	1.00
875	0.00	1127.19	1125.42	1.00
876	0.00	1125.68	1123.48	1.00
877	0.00	1123.52	1122.48	1.00
878	0.31	1119.92	1120.23	1.00
879	3.27	1109.66	1112.93	1.00
880	3.42	1107.50	1110.92	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
881	2.18	1105.73	1107.91	1.00
882	1.45	1101.88	1103.33	1.00
883	0.00	1102.68	1102.20	1.00
884	0.35	1103.00	1103.35	1.00
885	0.00	1105.64	1105.10	1.00
886	0.00	1105.43	1104.70	1.00
887	0.00	1110.12	1108.51	1.00
888	0.44	1107.73	1108.17	1.00
889	0.19	1114.93	1115.12	1.00
890	1.08	1115.54	1116.61	1.00
891	2.92	1109.65	1112.57	1.00
892	1.07	1105.09	1106.16	1.00
893	4.05	1094.05	1098.10	1.00
894	3.28	1098.86	1102.15	1.00
895	2.53	1099.94	1102.47	1.00
896	2.53	1095.86	1098.38	1.00
897	0.00	1099.19	1098.91	1.00
898	1.16	1100.23	1101.39	1.00
899	1.03	1101.07	1102.10	1.00
900	0.00	1099.28	1098.78	1.00
901	0.60	1096.30	1096.91	1.00
902	0.50	1101.88	1102.39	1.00
903	1.42	1099.79	1101.21	1.00
904	1.86	1100.27	1102.13	1.00
905	0.46	1105.17	1105.62	1.00
906	0.00	1104.87	1104.41	1.00
907	0.00	1102.90	1101.57	1.00
908	0.00	1100.56	1099.31	1.00
909	0.00	1101.07	1100.44	1.00
910	0.00	1099.30	1098.07	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
911	0.00	1093.77	1092.60	1.00
912	0.00	1094.89	1094.12	1.00
913	0.59	1091.87	1092.45	1.00
914	2.15	1083.90	1086.05	1.00
915	2.85	1083.69	1086.55	1.00
916	4.92	1078.38	1083.30	1.00
917	4.17	1078.73	1082.90	1.00
918	6.92	1072.24	1079.16	0.99
919	7.64	1073.29	1080.93	0.99
920	7.99	1068.87	1076.86	0.99
921	8.01	1065.86	1073.87	0.99
922	5.97	1073.29	1079.26	0.99
923	3.76	1075.77	1079.53	1.00
924	2.76	1075.92	1078.68	1.00
925	3.73	1073.84	1077.57	1.00
926	3.09	1079.77	1082.86	1.00
927	3.73	1078.46	1082.19	1.00
928	2.86	1074.76	1077.62	1.00
929	2.26	1076.05	1078.31	1.00
930	2.16	1077.10	1079.26	1.00
931	2.68	1075.03	1077.71	1.00
932	3.49	1071.08	1074.57	1.00
933	4.03	1066.85	1070.88	1.00
934	3.58	1064.13	1067.71	1.00
935	4.77	1061.24	1066.01	1.00
936	5.32	1061.17	1066.49	1.00
937	4.21	1065.23	1069.43	1.00
938	3.81	1065.19	1068.99	1.00
939	2.34	1065.60	1067.94	1.00
940	1.41	1070.53	1071.94	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
941	2.63	1069.90	1072.52	1.00
942	3.24	1068.59	1071.82	1.00
943	4.47	1063.64	1068.11	1.00
944	4.00	1065.17	1069.18	1.00
945	2.93	1065.91	1068.84	1.00
946	2.29	1065.15	1067.45	1.00
947	2.09	1063.81	1065.90	1.00
948	2.18	1061.18	1063.36	1.00
949	3.45	1059.39	1062.85	1.00
950	5.67	1051.02	1056.70	0.99
951	4.86	1055.75	1060.62	1.00
952	7.24	1050.48	1057.71	0.99
953	6.29	1048.08	1054.37	0.99
954	5.57	1057.33	1062.90	0.99
955	6.58	1053.72	1060.30	0.99
956	4.89	1052.02	1056.91	1.00
957	3.75	1053.90	1057.64	1.00
958	3.16	1055.61	1058.77	1.00
959	3.50	1054.72	1058.22	1.00
960	2.93	1054.06	1056.98	1.00
961	2.87	1057.91	1060.78	1.00
962	2.63	1056.73	1059.36	1.00
963	2.77	1057.35	1060.12	1.00
964	2.73	1057.78	1060.51	1.00
965	3.40	1052.96	1056.35	1.00
966	2.40	1052.44	1054.84	1.00
967	1.16	1051.63	1052.79	1.00
968	2.04	1051.57	1053.61	1.00
969	1.34	1051.07	1052.40	1.00
970	1.91	1050.32	1052.23	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
971	1.87	1051.06	1052.93	1.00
972	2.33	1050.43	1052.75	1.00
973	2.42	1049.39	1051.81	1.00
974	1.95	1049.84	1051.79	1.00
975	2.16	1050.85	1053.01	1.00
976	1.46	1052.05	1053.51	1.00
977	1.69	1050.04	1051.72	1.00
978	1.83	1045.40	1047.23	1.00
979	1.23	1047.90	1049.12	1.00
980	0.66	1045.07	1045.73	1.00
981	1.70	1043.58	1045.27	1.00
982	1.66	1045.02	1046.68	1.00
983	2.80	1038.37	1041.17	1.00
984	3.61	1034.38	1037.99	1.00
985	3.97	1035.57	1039.55	1.00
986	4.96	1037.51	1042.47	1.00
987	5.03	1032.32	1037.36	1.00
988	4.95	1030.29	1035.24	1.00
989	3.39	1031.96	1035.35	1.00
990	3.17	1030.13	1033.29	1.00
991	2.04	1030.83	1032.88	1.00
992	1.50	1029.92	1031.42	1.00
993	0.62	1033.13	1033.75	1.00
994	0.00	1034.07	1033.77	1.00
995	0.00	1035.58	1035.52	1.00
996	0.00	1031.32	1031.24	1.00
997	0.53	1028.37	1028.91	1.00
998	0.27	1028.88	1029.15	1.00
999	0.38	1026.06	1026.44	1.00
1000	1.44	1019.90	1021.33	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1001	2.85	1015.63	1018.48	1.00
1002	3.53	1016.88	1020.41	1.00
1003	3.75	1014.26	1018.00	1.00
1004	3.13	1015.94	1019.08	1.00
1005	3.12	1012.17	1015.29	1.00
1006	2.82	1011.29	1014.11	1.00
1007	3.00	1006.63	1009.64	1.00
1008	2.74	1007.76	1010.49	1.00
1009	2.37	1010.56	1012.93	1.00
1010	2.38	1012.18	1014.56	1.00
1011	1.75	1011.65	1013.40	1.00
1012	1.57	1003.50	1005.07	1.00
1013	1.42	1005.18	1006.61	1.00
1014	1.93	999.92	1001.84	1.00
1015	2.72	998.00	1000.72	1.00
1016	3.42	994.89	998.31	1.00
1017	4.52	990.07	994.59	1.00
1018	4.11	991.70	995.81	1.00
1019	4.16	991.13	995.29	1.00
1020	3.80	996.21	1000.00	1.00
1021	3.42	996.94	1000.36	1.00
1022	3.44	993.88	997.31	1.00
1023	2.93	991.65	994.58	1.00
1024	3.15	990.89	994.04	1.00
1025	2.77	990.39	993.15	1.00
1026	2.45	987.58	990.03	1.00
1027	2.70	985.13	987.82	1.00
1028	2.09	982.55	984.64	1.00
1029	2.43	981.84	984.27	1.00
1030	3.38	976.85	980.23	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1031	3.47	972.87	976.34	1.00
1032	3.22	971.20	974.42	1.00
1033	2.28	970.59	972.86	1.00
1034	2.06	969.47	971.53	1.00
1035	2.33	969.50	971.82	1.00
1036	3.40	967.71	971.11	1.00
1037	3.89	965.21	969.11	1.00
1038	3.99	963.58	967.56	1.00
1039	3.66	958.44	962.10	1.00
1040	3.19	964.17	967.36	1.00
1041	3.15	963.01	966.16	1.00
1042	2.71	963.90	966.60	1.00
1043	2.46	967.35	969.81	1.00
1044	2.58	963.85	966.43	1.00
1045	2.32	964.52	966.84	1.00
1046	2.23	964.30	966.52	1.00
1047	2.22	962.83	965.05	1.00
1048	1.93	956.07	958.00	1.00
1049	2.26	955.53	957.79	1.00
1050	2.85	950.10	952.95	1.00
1051	3.17	946.95	950.11	1.00
1052	3.00	947.33	950.33	1.00
1053	3.02	942.17	945.18	1.00
1054	2.85	942.97	945.82	1.00
1055	3.71	945.23	948.94	1.00
1056	3.33	944.63	947.97	1.00
1057	3.52	942.45	945.97	1.00
1058	3.18	945.45	948.64	1.00
1059	3.02	941.66	944.68	1.00
1060	5.04	937.01	942.05	0.99
1061	4.85	940.62	945.47	0.99
1062	5.38	934.46	939.83	0.99
1063	5.79	930.78	936.57	0.99
1064	4.80	932.10	936.90	0.99
1065	4.78	930.20	934.98	0.99
1066	5.30	927.25	932.55	0.99
1067	5.62	927.99	933.62	0.99
1068	5.64	926.24	931.88	0.99
1069	6.20	924.08	930.28	0.99
1070	6.09	923.30	929.39	0.99
1071	6.13	915.09	921.22	0.99
1072	6.05	917.15	923.20	0.99
1073	5.74	918.00	923.74	0.99
1074	5.52	919.36	924.88	0.99
1075	5.14	919.54	924.68	0.99
1076	4.22	918.36	922.57	1.00
1077	2.58	917.05	919.63	1.00
1078	2.26	917.28	919.55	1.00
1079	1.51	922.85	924.36	1.00
1080	2.17	919.01	921.18	1.00
1081	3.35	919.79	923.14	1.00
1082	3.87	917.76	921.63	1.00
1083	3.99	915.38	919.37	1.00
1084	4.61	911.32	915.93	0.99
1085	5.55	909.65	915.21	0.99
1086	5.78	906.53	912.30	0.99
1087	6.19	904.61	910.79	0.99
1088	5.69	904.68	910.37	0.99
1089	5.39	903.57	908.96	0.99
1090	4.50	908.19	912.69	1.00
1091	4.64	907.13	911.78	0.99
1092	4.68	909.21	913.90	0.99
1093	5.23	907.36	912.59	0.99
1094	6.10	903.18	909.28	0.99
1095	6.42	901.79	908.20	0.99
1096	7.82	899.20	907.02	0.99
1097	8.57	897.43	906.00	0.99
1098	9.05	895.47	904.52	0.99
1099	9.57	895.57	905.14	0.99
1100	9.68	891.68	901.36	0.99
1101	8.00	894.96	902.97	0.99
1102	6.95	899.08	906.04	0.99
1103	5.71	899.69	905.40	0.99
1104	3.87	904.59	908.46	1.00
1105	2.38	907.04	909.42	1.00
1106	1.40	911.70	913.10	1.00
1107	1.30	909.38	910.68	1.00
1108	1.45	907.16	908.61	1.00
1109	3.16	901.96	905.11	1.00
1110	4.93	896.87	901.80	0.99
1111	5.38	897.62	903.00	0.99
1112	6.76	892.27	899.03	0.99
1113	8.73	885.89	894.62	0.99
1114	9.91	884.24	894.15	0.99
1115	10.76	882.65	893.41	0.99
1116	11.06	881.30	892.36	0.99
1117	9.35	891.89	901.24	0.99
1118	8.94	891.01	899.95	0.99
1119	8.68	888.74	897.42	0.99
1120	6.83	894.63	901.46	0.99

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1121	6.62	893.48	900.10	0.99
1122	5.34	893.73	899.07	0.99
1123	5.81	896.18	901.99	0.99
1124	6.55	894.80	901.34	0.99
1125	7.12	886.79	893.91	0.99
1126	10.16	885.89	896.04	0.99
1127	10.08	883.06	893.14	0.99
1128	12.43	875.82	888.25	0.99
1129	12.21	883.14	895.35	0.99
1130	10.93	885.02	895.95	0.99
1131	12.37	877.61	889.98	0.99
1132	10.67	879.63	890.30	0.99
1133	10.34	882.63	892.97	0.99
1134	9.24	887.49	896.73	0.99
1135	7.83	895.86	903.69	0.99
1136	8.45	890.59	899.04	0.99
1137	8.73	883.50	892.24	0.99
1138	8.65	890.34	899.00	0.99
1139	8.12	895.09	903.21	0.99
1140	6.55	897.03	903.57	0.99
1141	6.67	897.68	904.35	0.99
1142	5.68	902.64	908.33	0.99
1143	5.28	904.85	910.13	0.99
1144	5.43	910.00	915.42	0.99
1145	3.89	917.03	920.92	1.00
1146	4.59	913.88	918.46	1.00
1147	5.54	909.17	914.71	0.99
1148	5.90	905.90	911.80	0.99
1149	6.43	905.57	911.99	0.99
1150	6.86	900.52	907.38	0.99

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1151	6.49	905.34	911.83	0.99
1152	7.42	906.83	914.25	0.99
1153	8.62	904.15	912.77	0.99
1154	8.15	904.15	912.30	0.99
1155	8.65	908.13	916.77	0.99
1156	8.73	917.08	925.81	0.99
1157	8.64	923.76	932.40	0.99
1158	9.30	926.41	935.71	0.99
1159	7.56	929.51	937.07	0.99
1160	4.93	936.47	941.40	0.99
1161	2.35	940.44	942.80	1.00
1162	1.49	943.51	945.00	1.00
1163	3.45	940.12	943.57	1.00
1164	4.87	935.53	940.40	0.99
1165	7.44	925.84	933.28	0.99
1166	6.26	926.96	933.21	0.99
1167	4.37	934.25	938.62	1.00
1168	3.61	934.40	938.01	1.00
1169	2.84	934.19	937.03	1.00
1170	4.50	926.60	931.10	1.00
1171	4.25	925.93	930.18	1.00
1172	3.49	930.47	933.96	1.00
1173	3.82	928.53	932.35	1.00
1174	3.14	929.39	932.53	1.00
1175	3.61	929.29	932.90	1.00
1176	4.86	925.68	930.54	0.99
1177	4.50	922.84	927.34	1.00
1178	4.35	922.64	927.00	1.00
1179	3.38	923.50	926.88	1.00
1180	2.26	926.07	928.33	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1181	1.64	928.02	929.66	1.00
1182	2.58	920.11	922.68	1.00
1183	3.42	917.60	921.02	1.00
1184	4.98	914.45	919.43	0.99
1185	5.58	917.16	922.73	0.99
1186	4.99	914.95	919.94	0.99
1187	4.86	914.07	918.94	0.99
1188	2.59	919.47	922.06	1.00
1189	3.10	915.60	918.70	1.00
1190	3.27	916.77	920.04	1.00
1191	4.33	913.33	917.66	1.00
1192	4.73	914.44	919.17	0.99
1193	4.59	912.30	916.89	0.99
1194	4.69	908.35	913.04	0.99
1195	4.01	908.76	912.77	1.00
1196	4.92	909.28	914.20	0.99
1197	4.62	907.07	911.69	0.99
1198	4.12	906.23	910.35	1.00
1199	3.89	907.21	911.10	1.00
1200	3.30	907.85	911.15	1.00
1201	3.88	904.31	908.20	1.00
1202	4.13	902.20	906.33	1.00
1203	4.02	904.79	908.81	1.00
1204	4.42	901.22	905.64	1.00
1205	3.47	902.92	906.39	1.00
1206	3.16	904.82	907.98	1.00
1207	1.05	906.35	907.40	1.00
1208	1.37	905.40	906.77	1.00
1209	1.19	905.60	906.78	1.00
1210	1.18	902.75	903.93	1.00

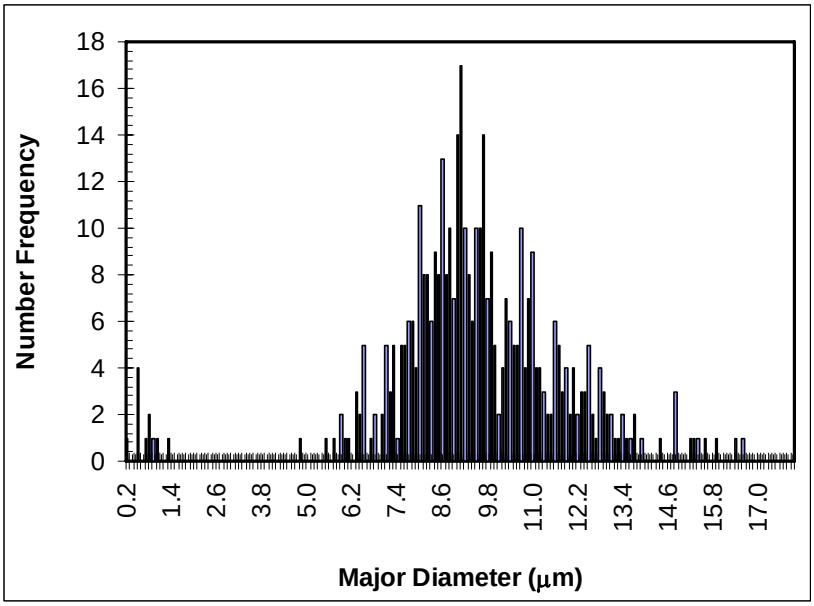
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1211	4.10	894.37	898.47	1.00
1212	4.20	894.59	898.79	1.00
1213	4.55	891.47	896.02	0.99
1214	4.79	888.11	892.90	0.99
1215	3.15	892.12	895.28	1.00
1216	2.73	891.81	894.53	1.00
1217	2.14	897.24	899.37	1.00
1218	1.32	900.78	902.10	1.00
1219	1.24	901.56	902.80	1.00
1220	1.26	897.80	899.06	1.00
1221	0.86	896.04	896.90	1.00
1222	0.94	897.44	898.38	1.00
1223	2.50	893.79	896.29	1.00
1224	2.83	889.05	891.88	1.00
1225	4.87	880.75	885.62	0.99
1226	5.89	875.86	881.75	0.99
1227	4.99	875.12	880.11	0.99
1228	6.62	878.37	884.99	0.99
1229	5.57	881.35	886.93	0.99
1230	5.01	882.10	887.11	0.99
1231	6.66	876.74	883.40	0.99
1232	3.96	878.48	882.44	1.00
1233	2.52	881.13	883.65	1.00
1234	2.17	880.77	882.93	1.00
1235	1.21	882.35	883.55	1.00
1236	3.66	872.96	876.62	1.00
1237	5.67	867.50	873.17	0.99
1238	5.89	867.48	873.37	0.99
1239	5.48	866.72	872.20	0.99
1240	4.94	869.97	874.91	0.99

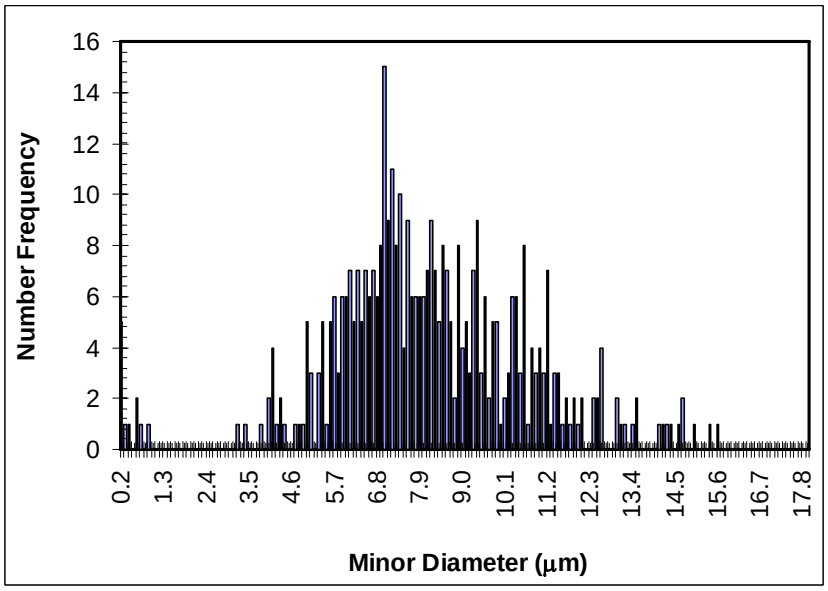
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1241	5.14	869.54	874.68	0.99
1242	6.07	865.60	871.67	0.99
1243	7.03	857.70	864.73	0.99
1244	6.20	858.71	864.91	0.99
1245	4.97	862.01	866.98	0.99
1246	2.77	866.45	869.22	1.00
1247	1.18	866.89	868.07	1.00
1248	1.36	862.42	863.77	1.00
1249	0.38	866.84	867.23	1.00
1250	1.94	866.81	868.75	1.00
1251	1.89	869.62	871.51	1.00
1252	1.25	869.19	870.44	1.00
1253	1.72	868.60	870.33	1.00
1254	3.53	861.26	864.78	1.00
1255	4.17	856.96	861.14	1.00
1256	5.65	857.98	863.62	0.99
1257	6.36	856.24	862.60	0.99
1258	5.45	854.31	859.75	0.99
1259	5.48	851.48	856.96	0.99
1260	5.99	851.39	857.37	0.99
1261	6.36	850.14	856.50	0.99
1262	4.80	852.21	857.01	0.99
1263	4.60	853.46	858.06	0.99
1264	3.21	855.34	858.55	1.00
1265	2.41	855.28	857.69	1.00
1266	2.59	852.56	855.15	1.00
1267	3.45	851.46	854.91	1.00
1268	4.78	848.60	853.37	0.99
1269	6.13	842.96	849.09	0.99
1270	6.81	839.89	846.69	0.99

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1271	7.51	837.30	844.81	0.99
1272	7.61	839.56	847.17	0.99
1273	8.41	838.44	846.85	0.99
1274	9.64	836.79	846.43	0.99
1275	8.24	838.47	846.71	0.99
1276	7.20	838.87	846.07	0.99
1277	5.93	839.11	845.04	0.99
1278	4.33	843.54	847.88	0.99
1279	0.06	847.97	848.03	1.00
1280	0.00	843.96	843.68	1.00
1281	0.00	846.59	845.22	1.00
1282	0.00	848.51	844.56	1.00
1283	0.03	841.08	841.11	1.00
1284	0.18	842.53	842.71	1.00
1285	1.58	842.55	844.13	1.00
1286	3.71	839.72	843.43	1.00
1287	5.54	834.98	840.52	0.99
1288	5.22	836.65	841.88	0.99
1289	8.86	831.47	840.33	0.99
1290	12.23	818.31	830.54	0.99
1291	13.26	817.56	830.82	0.98
1292	15.92	813.00	828.91	0.98
1293	10.80	820.40	831.20	0.99
1294	6.06	833.71	839.76	0.99
1295	3.98	837.36	841.34	1.00
1296	1.14	843.35	844.49	1.00
1297	1.22	843.57	844.79	1.00
1298	2.79	840.47	843.26	1.00
1299	3.54	839.52	843.06	1.00
1300	3.89	840.91	844.80	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1301	4.15	838.54	842.69	1.00
1302	10.87	822.68	833.55	0.99
1303	13.77	813.04	826.81	0.98
1304	11.62	816.93	828.55	0.99
1305	14.90	812.38	827.28	0.98
1306	1.54	838.73	840.27	1.00
1307	3.41	835.31	838.72	1.00
1308	9.24	823.62	832.86	0.99
1309	9.99	822.77	832.76	0.99
1310	20.31	799.72	820.02	0.98
1311	17.19	805.31	822.49	0.98

Absorption and scattering coefficients of Chlamydomonas reinhardtii tlaX





Summary for CC125				
	Major Diameter (μm)	Minor Diameter (μm)	Circularity	Feret (μm)
Average	9.4	8.1	0.84	9.8
Stdev	2.4	2.6	0.08	2.5

Chlorophyll Concentrations			
Stats	**Chl a (g/kg)**	**Chl b (g/kg)**	**Chl tot (g/kg)**
Average	16.82 ± 0.24	0.16 ± 0.07	16.98 ± 0.31

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
311	110.85	793.93	904.78	0.88
312	84.92	785.83	870.75	0.90
313	63.63	826.80	890.44	0.93
314	69.91	812.79	882.70	0.92
315	83.84	784.24	868.08	0.90
316	83.14	784.59	867.73	0.90
317	84.64	779.49	864.13	0.90
318	78.74	789.60	868.34	0.91
319	65.39	815.91	881.30	0.93
320	72.46	802.44	874.90	0.92
321	77.83	790.66	868.49	0.91
322	77.00	790.64	867.64	0.91
323	90.51	764.45	854.96	0.89
324	109.52	726.72	836.24	0.87
325	113.43	717.97	831.40	0.86
326	128.94	686.71	815.65	0.84
327	126.78	690.32	817.10	0.84
328	112.42	718.29	830.70	0.86
329	101.93	739.98	841.90	0.88
330	93.87	756.94	850.81	0.89
331	87.59	769.10	856.69	0.90
332	83.55	778.08	861.63	0.90
333	85.43	774.66	860.09	0.90
334	99.86	744.89	844.75	0.88
335	110.45	723.50	833.95	0.87
336	119.71	704.82	824.53	0.85
337	118.73	708.13	826.86	0.86
338	97.14	752.88	850.02	0.89
339	93.24	759.87	853.11	0.89
340	96.41	751.86	848.28	0.89

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
341	100.48	744.61	845.09	0.88
342	113.98	717.90	831.87	0.86
343	109.06	726.96	836.02	0.87
344	97.24	750.95	848.19	0.89
345	94.92	755.49	850.42	0.89
346	92.22	761.02	853.25	0.89
347	93.84	759.18	853.01	0.89
348	101.81	743.38	845.18	0.88
349	100.60	743.96	844.56	0.88
350	93.85	757.28	851.13	0.89
351	101.51	742.12	843.63	0.88
352	106.38	730.47	836.85	0.87
353	113.67	715.36	829.03	0.86
354	115.90	709.54	825.44	0.86
355	106.34	726.47	832.82	0.87
356	98.13	742.80	840.93	0.88
357	98.75	743.32	842.06	0.88
358	108.94	722.69	831.64	0.87
359	117.74	704.80	822.54	0.86
360	126.66	688.27	814.93	0.84
361	123.60	695.06	818.66	0.85
362	117.61	707.21	824.81	0.86
363	118.65	705.81	824.46	0.86
364	124.05	695.02	819.08	0.85
365	131.11	681.23	812.34	0.84
366	138.29	666.91	805.20	0.83
367	144.79	653.79	798.58	0.82
368	126.74	690.25	816.99	0.84
369	112.15	718.81	830.96	0.87
370	109.71	723.34	833.05	0.87

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
371	101.91	739.01	840.92	0.88
372	112.75	720.37	833.12	0.86
373	126.28	698.82	825.10	0.85
374	127.46	702.18	829.64	0.85
375	129.41	702.20	831.62	0.84
376	130.94	700.24	831.19	0.84
377	132.70	694.91	827.61	0.84
378	133.52	692.05	825.57	0.84
379	133.43	695.68	829.11	0.84
380	134.79	693.47	828.26	0.84
381	135.96	689.59	825.55	0.84
382	137.18	687.09	824.26	0.83
383	138.39	684.34	822.73	0.83
384	138.65	685.73	824.38	0.83
385	139.98	685.69	825.67	0.83
386	141.60	683.67	825.27	0.83
387	141.84	685.92	827.76	0.83
388	142.21	685.15	827.36	0.83
389	143.47	680.68	824.15	0.83
390	144.16	682.77	826.93	0.83
391	145.40	684.38	829.79	0.82
392	147.65	678.92	826.58	0.82
393	149.07	677.99	827.06	0.82
394	150.64	676.92	827.56	0.82
395	151.99	671.51	823.50	0.82
396	152.23	671.60	823.82	0.82
397	153.37	672.73	826.11	0.81
398	155.61	668.22	823.83	0.81
399	158.60	661.96	820.55	0.81
400	162.00	655.84	817.83	0.80

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
401	164.36	650.44	814.80	0.80
402	165.79	649.38	815.17	0.80
403	167.31	647.59	814.90	0.79
404	169.10	643.24	812.35	0.79
405	170.84	640.21	811.05	0.79
406	173.70	635.59	809.29	0.79
407	176.86	631.19	808.05	0.78
408	179.33	628.61	807.94	0.78
409	182.56	623.02	805.58	0.77
410	186.30	614.76	801.06	0.77
411	189.28	608.76	798.04	0.76
412	192.82	603.17	795.99	0.76
413	195.55	598.25	793.80	0.75
414	197.54	594.70	792.24	0.75
415	199.17	592.98	792.14	0.75
416	199.97	591.97	791.94	0.75
417	201.16	589.29	790.45	0.75
418	202.09	588.60	790.70	0.74
419	203.15	588.42	791.57	0.74
420	204.86	585.32	790.19	0.74
421	206.25	582.83	789.08	0.74
422	207.29	583.22	790.51	0.74
423	208.94	581.70	790.64	0.74
424	209.90	579.31	789.21	0.73
425	211.56	577.06	788.62	0.73
426	212.81	576.62	789.42	0.73
427	214.11	575.08	789.20	0.73
428	215.57	572.97	788.54	0.73
429	218.02	568.95	786.96	0.72
430	219.71	566.11	785.82	0.72

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
431	220.27	566.36	786.63	0.72
432	221.44	565.14	786.58	0.72
433	221.52	564.09	785.60	0.72
434	222.20	563.05	785.25	0.72
435	222.99	562.29	785.28	0.72
436	223.45	561.05	784.50	0.72
437	222.81	563.78	786.59	0.72
438	221.87	566.95	788.82	0.72
439	221.47	567.70	789.17	0.72
440	218.89	572.89	791.78	0.72
441	216.18	581.62	797.80	0.73
442	211.96	592.34	804.30	0.74
443	206.34	600.99	807.33	0.74
444	201.78	610.69	812.46	0.75
445	197.39	621.38	818.78	0.76
446	193.04	631.36	824.41	0.77
447	189.07	641.56	830.63	0.77
448	184.05	651.97	836.02	0.78
449	178.60	662.20	840.79	0.79
450	174.52	671.73	846.25	0.79
451	170.21	679.77	849.98	0.80
452	166.91	685.98	852.89	0.80
453	163.64	695.11	858.74	0.81
454	159.89	702.03	861.92	0.81
455	157.18	705.26	862.44	0.82
456	154.97	709.24	864.21	0.82
457	153.18	713.29	866.48	0.82
458	151.52	716.74	868.26	0.83
459	149.74	719.06	868.80	0.83
460	147.58	720.82	868.40	0.83

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
461	146.42	721.08	867.50	0.83
462	144.76	726.27	871.03	0.83
463	142.70	731.64	874.34	0.84
464	140.84	733.15	873.99	0.84
465	138.17	736.72	874.88	0.84
466	135.72	739.76	875.48	0.84
467	134.00	742.68	876.68	0.85
468	132.18	747.55	879.73	0.85
469	130.71	750.70	881.41	0.85
470	129.42	751.40	880.82	0.85
471	128.39	751.37	879.77	0.85
472	127.04	755.40	882.43	0.86
473	124.99	761.54	886.53	0.86
474	123.61	766.17	889.78	0.86
475	122.28	770.44	892.72	0.86
476	121.25	770.92	892.17	0.86
477	120.91	770.41	891.32	0.86
478	120.47	773.98	894.45	0.87
479	120.18	777.71	897.89	0.87
480	120.27	777.67	897.94	0.87
481	120.37	775.04	895.41	0.87
482	120.35	775.01	895.36	0.87
483	120.82	776.27	897.09	0.87
484	120.83	778.44	899.27	0.87
485	121.41	778.86	900.27	0.87
486	121.88	776.97	898.85	0.86
487	122.24	775.09	897.33	0.86
488	122.64	774.72	897.37	0.86
489	122.23	776.33	898.56	0.86
490	122.12	778.24	900.36	0.86

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
491	121.44	780.85	902.29	0.87
492	120.94	781.32	902.25	0.87
493	119.85	782.86	902.71	0.87
494	117.74	788.58	906.32	0.87
495	115.41	795.05	910.47	0.87
496	113.38	799.97	913.35	0.88
497	111.10	805.29	916.39	0.88
498	109.23	808.13	917.36	0.88
499	106.34	813.67	920.01	0.88
500	102.38	822.98	925.35	0.89
501	99.16	831.33	930.49	0.89
502	95.21	840.16	935.37	0.90
503	92.20	846.36	938.56	0.90
504	89.05	851.27	940.33	0.91
505	85.53	858.84	944.37	0.91
506	82.41	867.11	949.52	0.91
507	79.19	874.16	953.35	0.92
508	75.63	881.95	957.58	0.92
509	71.82	887.97	959.80	0.93
510	68.26	893.96	962.22	0.93
511	64.66	901.36	966.02	0.93
512	62.37	906.47	968.84	0.94
513	59.50	913.43	972.93	0.94
514	57.24	916.77	974.01	0.94
515	53.86	923.66	977.52	0.94
516	50.81	930.57	981.37	0.95
517	48.59	934.66	983.25	0.95
518	46.47	940.18	986.65	0.95
519	44.56	944.96	989.53	0.95
520	42.02	948.75	990.77	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
521	39.80	951.02	990.82	0.96
522	37.84	955.46	993.30	0.96
523	36.50	958.41	994.91	0.96
524	35.29	962.09	997.39	0.96
525	33.72	965.62	999.34	0.97
526	32.60	965.04	997.64	0.97
527	31.76	966.15	997.90	0.97
528	30.98	969.92	1000.91	0.97
529	30.26	972.71	1002.97	0.97
530	29.68	973.47	1003.15	0.97
531	28.14	976.41	1004.55	0.97
532	27.25	977.70	1004.95	0.97
533	26.72	979.35	1006.07	0.97
534	26.05	981.31	1007.36	0.97
535	25.50	982.98	1008.48	0.97
536	25.27	982.66	1007.93	0.97
537	24.25	982.70	1006.95	0.98
538	23.87	984.35	1008.22	0.98
539	24.14	986.28	1010.43	0.98
540	23.80	987.29	1011.10	0.98
541	23.67	987.14	1010.82	0.98
542	22.82	989.53	1012.34	0.98
543	22.05	991.03	1013.08	0.98
544	21.74	991.24	1012.98	0.98
545	21.71	992.58	1014.30	0.98
546	21.68	994.61	1016.29	0.98
547	21.21	996.74	1017.95	0.98
548	21.46	996.84	1018.30	0.98
549	21.52	994.64	1016.16	0.98
550	21.88	993.27	1015.15	0.98

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
551	21.14	994.87	1016.00	0.98
552	20.35	997.46	1017.81	0.98
553	20.05	1001.18	1021.24	0.98
554	20.15	1001.03	1021.19	0.98
555	21.20	996.34	1017.53	0.98
556	21.27	995.79	1017.06	0.98
557	21.02	998.90	1019.92	0.98
558	20.80	999.37	1020.17	0.98
559	21.23	997.51	1018.74	0.98
560	22.12	995.72	1017.84	0.98
561	23.03	993.68	1016.71	0.98
562	22.52	996.33	1018.84	0.98
563	22.20	997.66	1019.86	0.98
564	21.66	999.39	1021.05	0.98
565	21.18	1002.93	1024.11	0.98
566	21.70	1002.87	1024.58	0.98
567	22.46	1000.23	1022.69	0.98
568	22.66	998.22	1020.88	0.98
569	23.64	995.72	1019.35	0.98
570	25.06	993.28	1018.33	0.98
571	25.21	994.37	1019.59	0.98
572	26.17	992.99	1019.16	0.97
573	26.72	989.80	1016.52	0.97
574	26.46	991.88	1018.34	0.97
575	27.36	994.43	1021.79	0.97
576	27.62	993.59	1021.21	0.97
577	28.12	992.55	1020.68	0.97
578	28.02	993.69	1021.70	0.97
579	28.48	990.96	1019.44	0.97
580	28.58	993.33	1021.92	0.97

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
581	28.90	996.61	1025.51	0.97
582	29.00	996.59	1025.58	0.97
583	28.93	994.75	1023.68	0.97
584	29.24	994.46	1023.71	0.97
585	29.77	995.97	1025.74	0.97
586	30.82	996.17	1026.99	0.97
587	31.37	994.80	1026.17	0.97
588	31.45	992.48	1023.93	0.97
589	31.61	991.09	1022.70	0.97
590	31.25	991.91	1023.16	0.97
591	31.40	992.97	1024.37	0.97
592	31.63	993.80	1025.43	0.97
593	31.46	993.32	1024.78	0.97
594	31.58	991.90	1023.48	0.97
595	32.14	989.55	1021.69	0.97
596	32.12	991.31	1023.43	0.97
597	32.07	994.76	1026.83	0.97
598	31.90	996.42	1028.32	0.97
599	31.32	995.91	1027.23	0.97
600	31.63	993.73	1025.37	0.97
601	32.34	993.18	1025.52	0.97
602	32.72	994.34	1027.06	0.97
603	33.25	993.27	1026.51	0.97
604	33.60	991.06	1024.67	0.97
605	34.09	989.02	1023.11	0.97
606	35.19	987.64	1022.83	0.97
607	36.28	987.76	1024.04	0.96
608	37.04	988.67	1025.71	0.96
609	37.86	988.07	1025.93	0.96
610	38.86	984.24	1023.10	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
611	39.70	980.30	1020.00	0.96
612	40.40	981.52	1021.91	0.96
613	41.18	982.50	1023.68	0.96
614	41.72	983.26	1024.98	0.96
615	42.46	981.12	1023.58	0.96
616	43.64	976.26	1019.90	0.96
617	44.70	975.33	1020.03	0.96
618	45.41	978.02	1023.43	0.96
619	46.46	978.28	1024.74	0.95
620	46.91	977.94	1024.86	0.95
621	47.06	976.35	1023.40	0.95
622	47.18	976.26	1023.44	0.95
623	46.62	980.54	1027.16	0.95
624	46.14	983.80	1029.94	0.96
625	46.32	983.74	1030.07	0.96
626	47.49	978.84	1026.33	0.95
627	47.29	976.26	1023.55	0.95
628	48.03	973.87	1021.90	0.95
629	47.92	974.57	1022.49	0.95
630	47.30	975.54	1022.84	0.95
631	47.74	972.48	1020.22	0.95
632	46.70	973.15	1019.85	0.95
633	45.82	973.66	1019.48	0.96
634	44.77	975.08	1019.86	0.96
635	43.79	978.96	1022.75	0.96
636	43.40	983.31	1026.71	0.96
637	43.11	986.84	1029.95	0.96
638	42.34	988.03	1030.37	0.96
639	41.10	989.42	1030.52	0.96
640	40.36	994.14	1034.51	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
641	40.36	999.70	1040.06	0.96
642	41.22	1000.18	1041.40	0.96
643	41.66	999.91	1041.57	0.96
644	41.80	998.58	1040.38	0.96
645	41.47	1000.98	1042.45	0.96
646	41.38	1006.04	1047.42	0.96
647	43.02	1002.69	1045.70	0.96
648	44.98	997.48	1042.46	0.96
649	46.57	994.64	1041.21	0.96
650	48.64	992.31	1040.95	0.95
651	50.54	989.23	1039.77	0.95
652	53.98	982.29	1036.27	0.95
653	58.49	974.79	1033.28	0.94
654	62.82	966.65	1029.46	0.94
655	67.65	956.69	1024.33	0.93
656	71.61	948.24	1019.86	0.93
657	76.52	936.82	1013.34	0.92
658	81.38	929.41	1010.79	0.92
659	86.73	920.48	1007.22	0.91
660	92.42	907.44	999.86	0.91
661	97.51	896.62	994.13	0.90
662	102.93	884.82	987.75	0.90
663	108.46	876.05	984.52	0.89
664	113.58	868.83	982.41	0.88
665	118.79	858.00	976.79	0.88
666	124.51	844.58	969.08	0.87
667	129.25	836.03	965.28	0.87
668	134.28	828.67	962.95	0.86
669	138.41	822.98	961.39	0.86
670	141.71	817.36	959.08	0.85

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
671	144.29	811.33	955.62	0.85
672	146.59	805.74	952.33	0.85
673	149.33	804.25	953.58	0.84
674	151.19	805.32	956.51	0.84
675	153.26	804.36	957.62	0.84
676	153.47	804.42	957.88	0.84
677	153.44	804.30	957.74	0.84
678	153.12	807.13	960.25	0.84
679	152.66	812.37	965.03	0.84
680	150.68	821.16	971.84	0.84
681	147.39	830.03	977.42	0.85
682	142.30	839.55	981.85	0.86
683	135.67	853.67	989.34	0.86
684	129.47	870.13	999.60	0.87
685	121.88	889.75	1011.63	0.88
686	113.21	911.60	1024.81	0.89
687	104.02	930.77	1034.80	0.90
688	94.34	948.50	1042.84	0.91
689	84.87	971.60	1056.47	0.92
690	76.21	993.25	1069.46	0.93
691	67.72	1013.57	1081.29	0.94
692	60.00	1030.83	1090.83	0.94
693	53.65	1042.62	1096.27	0.95
694	47.65	1055.09	1102.75	0.96
695	42.69	1067.47	1110.16	0.96
696	37.55	1082.77	1120.32	0.97
697	32.29	1096.59	1128.89	0.97
698	28.50	1102.52	1131.02	0.97
699	25.39	1106.09	1131.48	0.98
700	22.87	1110.64	1133.51	0.98

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
701	20.85	1117.14	1137.99	0.98
702	18.46	1124.54	1143.00	0.98
703	15.93	1127.65	1143.58	0.99
704	13.74	1127.04	1140.77	0.99
705	12.36	1128.54	1140.90	0.99
706	10.87	1134.22	1145.09	0.99
707	9.55	1136.85	1146.40	0.99
708	9.13	1137.02	1146.16	0.99
709	7.47	1138.17	1145.63	0.99
710	6.50	1137.34	1143.83	0.99
711	6.08	1138.96	1145.04	0.99
712	5.62	1140.20	1145.83	1.00
713	5.86	1139.33	1145.18	0.99
714	6.09	1137.39	1143.48	0.99
715	5.65	1136.66	1142.31	1.00
716	4.35	1138.49	1142.84	1.00
717	3.59	1141.78	1145.37	1.00
718	3.26	1144.85	1148.11	1.00
719	3.74	1145.54	1149.28	1.00
720	3.93	1145.05	1148.98	1.00
721	4.15	1142.70	1146.85	1.00
722	3.53	1144.73	1148.27	1.00
723	2.72	1147.47	1150.19	1.00
724	3.26	1145.44	1148.70	1.00
725	2.84	1146.09	1148.93	1.00
726	2.65	1146.46	1149.10	1.00
727	2.03	1146.66	1148.69	1.00
728	1.23	1147.05	1148.28	1.00
729	0.80	1149.70	1150.50	1.00
730	1.03	1151.93	1152.96	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
731	1.24	1149.90	1151.14	1.00
732	0.20	1150.17	1150.37	1.00
733	0.74	1150.58	1151.32	1.00
734	0.43	1153.50	1153.93	1.00
735	1.96	1151.65	1153.62	1.00
736	3.15	1150.58	1153.73	1.00
737	2.42	1151.25	1153.67	1.00
738	1.48	1150.11	1151.58	1.00
739	0.62	1151.40	1152.01	1.00
740	0.84	1154.51	1155.35	1.00
741	1.81	1156.26	1158.07	1.00
742	2.40	1153.56	1155.96	1.00
743	2.05	1151.47	1153.52	1.00
744	2.27	1149.92	1152.19	1.00
745	1.77	1152.26	1154.03	1.00
746	0.98	1157.06	1158.04	1.00
747	0.00	1161.68	1161.40	1.00
748	0.00	1160.40	1159.58	1.00
749	0.00	1158.32	1157.93	1.00
750	1.34	1156.51	1157.85	1.00
751	2.85	1155.92	1158.77	1.00
752	1.89	1161.43	1163.32	1.00
753	1.10	1161.81	1162.90	1.00
754	0.00	1161.25	1160.95	1.00
755	0.00	1160.39	1160.09	1.00
756	0.36	1160.82	1161.19	1.00
757	0.33	1164.72	1165.05	1.00
758	0.02	1167.50	1167.52	1.00
759	0.00	1163.37	1162.88	1.00
760	0.00	1158.66	1157.96	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
761	0.00	1161.67	1161.67	1.00
762	0.66	1165.92	1166.59	1.00
763	0.00	1168.04	1168.00	1.00
764	0.00	1168.52	1167.34	1.00
765	0.00	1168.77	1166.04	1.00
766	0.00	1171.14	1167.43	1.00
767	0.00	1174.91	1170.81	1.00
768	0.00	1171.65	1170.45	1.00
769	0.00	1169.33	1168.81	1.00
770	1.30	1163.44	1164.75	1.00
771	1.34	1161.88	1163.22	1.00
772	0.00	1167.84	1167.09	1.00
773	0.00	1177.09	1174.83	1.00
774	0.00	1181.98	1178.27	1.00
775	0.00	1177.58	1174.35	1.00
776	0.00	1175.39	1171.22	1.00
777	0.00	1172.64	1169.13	1.00
778	0.00	1176.99	1172.52	1.00
779	0.00	1181.90	1176.87	1.00
780	0.00	1182.51	1178.07	1.00
781	0.00	1181.32	1176.49	1.00
782	0.00	1176.68	1173.45	1.00
783	0.00	1179.29	1175.54	1.00
784	0.00	1182.01	1178.07	1.00
785	0.00	1183.56	1179.23	1.00
786	0.00	1181.70	1177.89	1.00
787	0.00	1176.38	1174.44	1.00
788	0.56	1171.38	1171.94	1.00
789	0.56	1174.59	1175.14	1.00
790	0.00	1178.94	1177.41	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
791	0.00	1178.51	1175.52	1.00
792	0.00	1181.57	1176.27	1.00
793	0.00	1182.64	1177.04	1.00
794	0.00	1179.14	1175.64	1.00
795	0.00	1180.57	1177.24	1.00
796	0.00	1180.28	1178.19	1.00
797	0.00	1175.64	1175.01	1.00
798	0.00	1175.38	1173.57	1.00
799	0.00	1173.16	1171.93	1.00
800	0.00	1176.67	1174.20	1.00
801	0.00	1183.99	1180.21	1.00
802	0.00	1186.50	1182.54	1.00
803	0.00	1184.49	1180.52	1.00
804	0.00	1178.56	1175.58	1.00
805	0.00	1178.78	1175.58	1.00
806	0.00	1178.67	1176.69	1.00
807	0.00	1178.74	1177.57	1.00
808	0.00	1178.31	1177.06	1.00
809	0.00	1173.68	1172.38	1.00
810	0.00	1174.46	1172.90	1.00
811	0.00	1182.11	1178.97	1.00
812	0.00	1181.01	1179.40	1.00
813	0.00	1175.26	1175.21	1.00
814	0.00	1171.96	1171.62	1.00
815	0.00	1178.69	1175.34	1.00
816	0.00	1187.20	1180.34	1.01
817	0.00	1190.85	1182.66	1.01
818	0.00	1192.30	1184.10	1.01
819	0.00	1184.87	1179.75	1.00
820	0.00	1178.80	1174.55	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
821	0.00	1179.55	1175.41	1.00
822	0.00	1193.10	1184.54	1.01
823	0.00	1199.29	1187.74	1.01
824	0.00	1195.69	1184.86	1.01
825	0.00	1190.56	1181.86	1.01
826	0.00	1179.92	1175.77	1.00
827	0.00	1177.34	1174.60	1.00
828	0.00	1183.19	1178.34	1.00
829	0.00	1192.99	1184.61	1.01
830	0.00	1199.98	1188.15	1.01
831	0.00	1200.14	1186.57	1.01
832	0.00	1189.30	1180.14	1.01
833	0.00	1183.64	1178.62	1.00
834	0.00	1181.05	1178.63	1.00
835	0.68	1175.07	1175.75	1.00
836	0.00	1177.92	1175.80	1.00
837	0.00	1175.55	1171.88	1.00
838	0.00	1177.06	1172.78	1.00
839	0.00	1175.46	1174.39	1.00
840	3.61	1167.52	1171.12	1.00
841	5.11	1143.04	1148.15	1.00
842	8.90	1116.20	1125.09	0.99
843	9.43	1116.87	1126.30	0.99
844	10.15	1117.66	1127.81	0.99
845	8.30	1121.59	1129.89	0.99
846	5.08	1127.46	1132.54	1.00
847	3.76	1129.93	1133.69	1.00
848	1.06	1135.86	1136.93	1.00
849	4.42	1130.09	1134.51	1.00
850	5.58	1127.83	1133.41	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
851	2.09	1132.56	1134.65	1.00
852	3.50	1126.86	1130.35	1.00
853	1.09	1131.09	1132.18	1.00
854	1.90	1130.09	1131.99	1.00
855	3.21	1129.15	1132.37	1.00
856	0.00	1144.07	1141.70	1.00
857	0.00	1148.20	1144.38	1.00
858	0.00	1144.30	1140.79	1.00
859	0.00	1139.68	1136.73	1.00
860	0.16	1137.90	1138.06	1.00
861	2.01	1140.67	1142.68	1.00
862	0.00	1146.18	1145.86	1.00
863	1.47	1142.57	1144.03	1.00
864	1.13	1139.99	1141.12	1.00
865	0.33	1139.98	1140.31	1.00
866	2.39	1139.78	1142.17	1.00
867	2.53	1143.60	1146.13	1.00
868	5.19	1144.91	1150.10	1.00
869	5.67	1144.80	1150.47	1.00
870	6.64	1129.12	1135.77	0.99
871	4.59	1124.07	1128.66	1.00
872	2.56	1127.33	1129.90	1.00
873	3.69	1126.26	1129.95	1.00
874	0.28	1129.14	1129.42	1.00
875	0.00	1131.40	1129.90	1.00
876	0.00	1141.06	1136.03	1.00
877	0.00	1148.22	1140.31	1.01
878	0.00	1148.07	1141.54	1.01
879	0.00	1149.51	1142.94	1.01
880	0.00	1150.59	1145.92	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
881	0.00	1149.75	1145.19	1.00
882	0.00	1148.49	1143.71	1.00
883	0.00	1151.88	1146.30	1.00
884	0.00	1153.53	1148.53	1.00
885	0.00	1147.49	1144.01	1.00
886	0.00	1139.96	1137.11	1.00
887	0.00	1131.53	1131.09	1.00
888	1.79	1121.81	1123.60	1.00
889	1.67	1122.86	1124.53	1.00
890	1.23	1125.51	1126.74	1.00
891	0.61	1126.28	1126.89	1.00
892	0.00	1131.19	1128.82	1.00
893	0.00	1126.68	1126.29	1.00
894	0.00	1132.96	1132.75	1.00
895	0.00	1139.61	1139.24	1.00
896	0.64	1134.38	1135.02	1.00
897	0.00	1138.09	1137.11	1.00
898	0.00	1139.62	1139.54	1.00
899	0.20	1139.13	1139.33	1.00
900	0.90	1137.71	1138.61	1.00
901	1.66	1135.70	1137.36	1.00
902	0.51	1134.68	1135.19	1.00
903	0.68	1129.34	1130.02	1.00
904	0.00	1132.80	1132.61	1.00
905	0.00	1135.49	1133.79	1.00
906	0.00	1129.67	1128.37	1.00
907	0.00	1126.17	1124.34	1.00
908	0.00	1125.58	1123.25	1.00
909	0.00	1124.01	1122.85	1.00
910	0.00	1126.72	1125.24	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
911	0.00	1128.00	1126.76	1.00
912	0.00	1128.12	1127.75	1.00
913	0.00	1130.85	1129.80	1.00
914	0.00	1128.31	1127.75	1.00
915	1.87	1123.03	1124.90	1.00
916	3.46	1118.91	1122.37	1.00
917	2.61	1119.14	1121.75	1.00
918	3.80	1114.28	1118.08	1.00
919	2.84	1116.78	1119.61	1.00
920	3.39	1113.00	1116.39	1.00
921	4.47	1108.23	1112.70	1.00
922	5.12	1108.42	1113.55	1.00
923	4.62	1108.06	1112.68	1.00
924	4.85	1105.61	1110.46	1.00
925	6.18	1103.82	1110.00	0.99
926	5.16	1110.18	1115.34	1.00
927	4.70	1112.56	1117.26	1.00
928	2.89	1115.47	1118.35	1.00
929	1.40	1118.76	1120.16	1.00
930	0.00	1121.37	1120.95	1.00
931	0.00	1119.43	1118.49	1.00
932	0.00	1119.33	1117.93	1.00
933	0.00	1119.47	1117.08	1.00
934	0.00	1118.79	1115.83	1.00
935	0.00	1117.28	1114.40	1.00
936	0.00	1115.53	1113.14	1.00
937	0.00	1113.63	1112.14	1.00
938	0.00	1110.27	1109.78	1.00
939	0.00	1109.10	1109.09	1.00
940	0.35	1110.64	1110.99	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
941	0.58	1111.38	1111.96	1.00
942	0.74	1111.94	1112.67	1.00
943	0.91	1111.87	1112.78	1.00
944	0.51	1112.83	1113.33	1.00
945	1.22	1111.87	1113.09	1.00
946	1.35	1112.60	1113.96	1.00
947	1.79	1111.06	1112.85	1.00
948	1.46	1109.85	1111.31	1.00
949	1.19	1107.15	1108.34	1.00
950	1.97	1104.00	1105.97	1.00
951	1.08	1110.02	1111.10	1.00
952	2.55	1108.30	1110.85	1.00
953	2.64	1106.61	1109.25	1.00
954	2.71	1111.04	1113.75	1.00
955	3.31	1108.63	1111.94	1.00
956	2.49	1105.90	1108.38	1.00
957	0.45	1111.96	1112.41	1.00
958	0.00	1116.00	1115.68	1.00
959	0.00	1114.70	1114.53	1.00
960	0.00	1116.49	1115.18	1.00
961	0.49	1114.11	1114.59	1.00
962	1.19	1109.62	1110.81	1.00
963	1.76	1108.76	1110.52	1.00
964	2.61	1108.55	1111.16	1.00
965	2.27	1106.66	1108.93	1.00
966	0.28	1108.85	1109.12	1.00
967	0.00	1112.13	1110.36	1.00
968	0.00	1112.16	1109.71	1.00
969	0.00	1111.52	1108.09	1.00
970	0.00	1112.77	1109.82	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
971	0.00	1113.29	1110.56	1.00
972	0.00	1108.89	1107.61	1.00
973	0.00	1106.94	1106.75	1.00
974	0.39	1105.01	1105.40	1.00
975	1.74	1105.46	1107.20	1.00
976	1.29	1109.50	1110.79	1.00
977	1.30	1108.86	1110.16	1.00
978	1.37	1106.87	1108.24	1.00
979	0.78	1107.67	1108.45	1.00
980	0.02	1107.07	1107.09	1.00
981	0.00	1110.70	1109.90	1.00
982	0.00	1113.35	1110.44	1.00
983	0.00	1109.68	1106.05	1.00
984	0.00	1109.72	1105.86	1.00
985	0.00	1107.93	1105.36	1.00
986	0.00	1104.02	1103.73	1.00
987	0.71	1100.13	1100.85	1.00
988	0.92	1097.34	1098.26	1.00
989	0.35	1097.04	1097.39	1.00
990	0.09	1097.79	1097.88	1.00
991	0.00	1099.42	1098.52	1.00
992	0.00	1098.47	1097.67	1.00
993	0.00	1098.70	1097.83	1.00
994	0.00	1097.18	1096.48	1.00
995	0.50	1097.28	1097.78	1.00
996	0.08	1096.44	1096.52	1.00
997	0.00	1093.64	1093.27	1.00
998	0.00	1092.87	1091.78	1.00
999	0.00	1094.49	1092.06	1.00
1000	0.00	1092.76	1090.49	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1001	0.00	1092.71	1090.50	1.00
1002	0.00	1094.87	1092.62	1.00
1003	0.00	1092.93	1091.32	1.00
1004	0.00	1092.39	1090.81	1.00
1005	0.00	1087.49	1086.81	1.00
1006	0.00	1086.07	1085.31	1.00
1007	0.00	1083.59	1082.98	1.00
1008	0.01	1084.87	1084.88	1.00
1009	0.66	1085.44	1086.09	1.00
1010	1.30	1084.52	1085.82	1.00
1011	0.96	1084.21	1085.16	1.00
1012	0.00	1081.53	1081.41	1.00
1013	0.00	1085.69	1083.80	1.00
1014	0.00	1084.48	1082.24	1.00
1015	0.00	1083.04	1081.25	1.00
1016	0.00	1082.49	1080.95	1.00
1017	0.00	1080.62	1080.05	1.00
1018	0.00	1079.91	1079.15	1.00
1019	0.00	1078.67	1078.15	1.00
1020	0.00	1081.84	1081.15	1.00
1021	0.00	1082.00	1080.98	1.00
1022	0.00	1079.65	1078.43	1.00
1023	0.00	1077.81	1076.05	1.00
1024	0.00	1076.18	1074.79	1.00
1025	0.00	1074.67	1073.74	1.00
1026	0.00	1073.37	1072.45	1.00
1027	0.00	1071.04	1070.01	1.00
1028	0.00	1067.30	1065.91	1.00
1029	0.00	1066.69	1065.62	1.00
1030	0.20	1065.22	1065.42	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1031	0.73	1063.72	1064.45	1.00
1032	0.91	1061.79	1062.70	1.00
1033	0.38	1060.55	1060.94	1.00
1034	0.00	1058.69	1058.58	1.00
1035	0.21	1058.47	1058.68	1.00
1036	0.61	1058.53	1059.14	1.00
1037	0.41	1059.38	1059.79	1.00
1038	0.00	1058.41	1058.26	1.00
1039	0.00	1054.39	1053.70	1.00
1040	0.00	1059.02	1057.85	1.00
1041	0.00	1058.09	1056.83	1.00
1042	0.00	1056.28	1055.52	1.00
1043	0.00	1056.49	1055.91	1.00
1044	0.15	1051.96	1052.10	1.00
1045	0.57	1052.77	1053.34	1.00
1046	0.84	1052.65	1053.49	1.00
1047	1.64	1046.97	1048.62	1.00
1048	1.91	1042.14	1044.05	1.00
1049	2.08	1044.12	1046.20	1.00
1050	2.03	1041.44	1043.46	1.00
1051	1.74	1040.19	1041.93	1.00
1052	0.90	1041.13	1042.03	1.00
1053	0.15	1036.87	1037.02	1.00
1054	0.00	1039.28	1038.92	1.00
1055	0.00	1043.40	1042.99	1.00
1056	0.00	1042.42	1041.85	1.00
1057	0.00	1039.63	1039.39	1.00
1058	0.26	1039.74	1040.00	1.00
1059	0.25	1039.31	1039.56	1.00
1060	1.44	1037.92	1039.37	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1061	2.00	1039.91	1041.91	1.00
1062	2.52	1035.40	1037.91	1.00
1063	3.02	1031.41	1034.43	1.00
1064	2.77	1030.77	1033.54	1.00
1065	2.80	1028.92	1031.71	1.00
1066	3.18	1026.23	1029.41	1.00
1067	3.84	1024.54	1028.38	1.00
1068	3.71	1023.63	1027.34	1.00
1069	3.99	1022.60	1026.60	1.00
1070	3.90	1022.22	1026.12	1.00
1071	4.20	1016.30	1020.50	1.00
1072	3.96	1017.24	1021.20	1.00
1073	3.67	1017.52	1021.19	1.00
1074	2.68	1020.93	1023.61	1.00
1075	1.74	1021.01	1022.75	1.00
1076	1.36	1019.61	1020.97	1.00
1077	1.37	1015.85	1017.23	1.00
1078	2.02	1016.08	1018.10	1.00
1079	2.29	1022.69	1024.98	1.00
1080	3.33	1017.47	1020.80	1.00
1081	3.88	1015.17	1019.05	1.00
1082	4.04	1013.44	1017.48	1.00
1083	3.85	1011.89	1015.74	1.00
1084	3.53	1012.09	1015.62	1.00
1085	3.56	1015.17	1018.73	1.00
1086	3.38	1013.32	1016.70	1.00
1087	2.59	1013.91	1016.50	1.00
1088	1.63	1015.09	1016.72	1.00
1089	0.86	1014.23	1015.10	1.00
1090	0.20	1017.45	1017.65	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1091	0.72	1014.14	1014.86	1.00
1092	0.64	1016.67	1017.31	1.00
1093	1.44	1016.41	1017.86	1.00
1094	1.74	1011.91	1013.64	1.00
1095	1.71	1010.84	1012.55	1.00
1096	3.25	1007.43	1010.68	1.00
1097	3.91	1005.04	1008.95	1.00
1098	3.78	1006.37	1010.15	1.00
1099	4.72	1005.27	1009.99	1.00
1100	4.72	1003.07	1007.79	1.00
1101	3.52	1007.01	1010.53	1.00
1102	3.21	1008.88	1012.09	1.00
1103	1.49	1010.72	1012.21	1.00
1104	0.39	1012.80	1013.20	1.00
1105	0.00	1013.65	1012.60	1.00
1106	0.00	1018.35	1015.79	1.00
1107	0.00	1017.43	1015.20	1.00
1108	0.00	1014.44	1012.45	1.00
1109	0.00	1009.35	1009.03	1.00
1110	2.00	1005.46	1007.46	1.00
1111	3.41	1003.19	1006.60	1.00
1112	5.04	997.16	1002.20	0.99
1113	7.80	992.86	1000.66	0.99
1114	9.79	991.61	1001.40	0.99
1115	10.94	989.72	1000.66	0.99
1116	10.65	991.02	1001.67	0.99
1117	7.12	1001.10	1008.22	0.99
1118	5.25	1003.53	1008.78	0.99
1119	3.89	1004.52	1008.42	1.00
1120	1.66	1008.81	1010.47	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1121	1.77	1008.87	1010.64	1.00
1122	1.22	1008.24	1009.46	1.00
1123	0.96	1007.19	1008.14	1.00
1124	1.10	1009.59	1010.70	1.00
1125	1.36	1008.75	1010.12	1.00
1126	3.64	1005.21	1008.85	1.00
1127	4.40	1002.17	1006.58	1.00
1128	7.89	995.36	1003.25	0.99
1129	9.59	994.54	1004.12	0.99
1130	9.09	994.86	1003.95	0.99
1131	10.01	991.24	1001.25	0.99
1132	7.76	993.59	1001.35	0.99
1133	6.63	996.46	1003.09	0.99
1134	5.79	998.43	1004.22	0.99
1135	4.38	1004.22	1008.60	1.00
1136	4.26	1006.39	1010.65	1.00
1137	4.40	1002.61	1007.01	1.00
1138	5.70	1003.86	1009.56	0.99
1139	5.93	1008.73	1014.66	0.99
1140	5.23	1008.16	1013.38	0.99
1141	6.28	1004.08	1010.36	0.99
1142	4.88	1011.51	1016.38	1.00
1143	5.42	1012.25	1017.67	0.99
1144	5.66	1013.15	1018.81	0.99
1145	3.86	1018.87	1022.73	1.00
1146	3.17	1016.80	1019.97	1.00
1147	2.03	1017.12	1019.16	1.00
1148	1.18	1019.18	1020.36	1.00
1149	1.19	1019.58	1020.78	1.00
1150	0.89	1019.54	1020.44	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1151	0.80	1025.20	1025.99	1.00
1152	2.11	1024.12	1026.23	1.00
1153	2.38	1025.65	1028.03	1.00
1154	1.94	1032.06	1034.00	1.00
1155	2.87	1035.00	1037.88	1.00
1156	3.09	1041.45	1044.54	1.00
1157	3.52	1046.40	1049.92	1.00
1158	4.94	1044.64	1049.58	1.00
1159	2.76	1047.32	1050.08	1.00
1160	0.00	1055.10	1054.86	1.00
1161	0.00	1060.64	1058.31	1.00
1162	0.00	1065.80	1061.74	1.00
1163	0.00	1062.38	1059.37	1.00
1164	0.00	1053.19	1052.36	1.00
1165	0.46	1046.25	1046.71	1.00
1166	0.65	1046.93	1047.58	1.00
1167	0.54	1051.13	1051.67	1.00
1168	0.60	1049.79	1050.39	1.00
1169	2.01	1047.46	1049.47	1.00
1170	4.16	1043.24	1047.40	1.00
1171	4.08	1043.30	1047.38	1.00
1172	3.40	1046.68	1050.08	1.00
1173	3.48	1045.15	1048.64	1.00
1174	2.45	1047.63	1050.08	1.00
1175	2.15	1048.95	1051.10	1.00
1176	2.59	1045.76	1048.35	1.00
1177	0.62	1046.58	1047.20	1.00
1178	0.00	1049.90	1049.11	1.00
1179	0.00	1047.58	1047.11	1.00
1180	1.10	1046.83	1047.93	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1181	0.75	1051.01	1051.76	1.00
1182	2.03	1044.44	1046.48	1.00
1183	1.94	1044.33	1046.27	1.00
1184	1.55	1045.34	1046.89	1.00
1185	2.63	1044.90	1047.54	1.00
1186	2.41	1041.60	1044.02	1.00
1187	2.50	1041.55	1044.05	1.00
1188	0.57	1046.99	1047.56	1.00
1189	0.64	1045.42	1046.06	1.00
1190	0.06	1047.10	1047.17	1.00
1191	0.00	1049.81	1048.62	1.00
1192	0.00	1051.16	1049.42	1.00
1193	0.00	1047.20	1045.56	1.00
1194	1.65	1040.39	1042.04	1.00
1195	3.79	1039.87	1043.66	1.00
1196	5.89	1037.62	1043.51	0.99
1197	6.37	1033.20	1039.57	0.99
1198	3.98	1036.34	1040.32	1.00
1199	2.86	1040.76	1043.62	1.00
1200	1.54	1042.04	1043.58	1.00
1201	0.82	1039.01	1039.83	1.00
1202	0.53	1039.29	1039.83	1.00
1203	0.00	1044.47	1043.76	1.00
1204	0.00	1043.81	1043.14	1.00
1205	0.00	1042.81	1041.91	1.00
1206	0.00	1046.09	1044.70	1.00
1207	0.00	1046.13	1044.32	1.00
1208	0.00	1042.23	1041.44	1.00
1209	0.00	1040.70	1040.64	1.00
1210	1.29	1034.49	1035.79	1.00

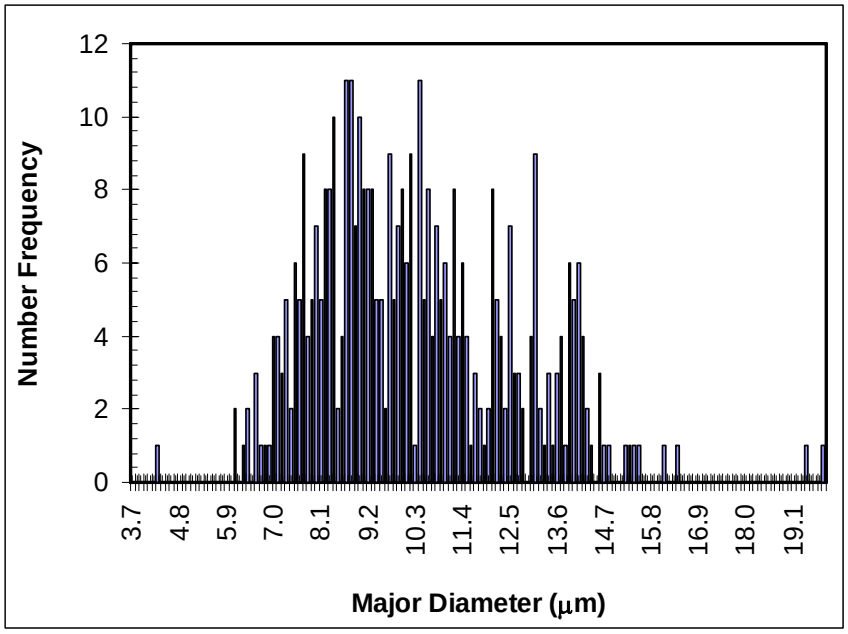
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1211	4.01	1025.38	1029.39	1.00
1212	4.18	1025.85	1030.03	1.00
1213	3.59	1027.27	1030.87	1.00
1214	2.60	1027.49	1030.10	1.00
1215	0.64	1032.53	1033.17	1.00
1216	0.00	1038.51	1036.79	1.00
1217	0.00	1044.58	1041.21	1.00
1218	0.00	1044.05	1040.57	1.00
1219	0.00	1044.29	1040.59	1.00
1220	0.00	1038.07	1036.19	1.00
1221	0.00	1034.47	1032.93	1.00
1222	0.00	1039.15	1036.90	1.00
1223	0.00	1037.17	1036.90	1.00
1224	0.00	1035.02	1034.82	1.00
1225	1.47	1030.62	1032.09	1.00
1226	2.91	1025.95	1028.86	1.00
1227	1.59	1027.21	1028.80	1.00
1228	1.53	1030.45	1031.97	1.00
1229	0.57	1028.73	1029.29	1.00
1230	0.07	1027.81	1027.88	1.00
1231	1.17	1025.27	1026.45	1.00
1232	0.55	1024.07	1024.62	1.00
1233	0.01	1025.94	1025.95	1.00
1234	0.00	1028.34	1028.12	1.00
1235	0.00	1030.89	1029.85	1.00
1236	0.61	1025.02	1025.62	1.00
1237	2.66	1019.77	1022.43	1.00
1238	2.58	1020.91	1023.49	1.00
1239	3.44	1019.17	1022.61	1.00
1240	3.94	1018.62	1022.57	1.00

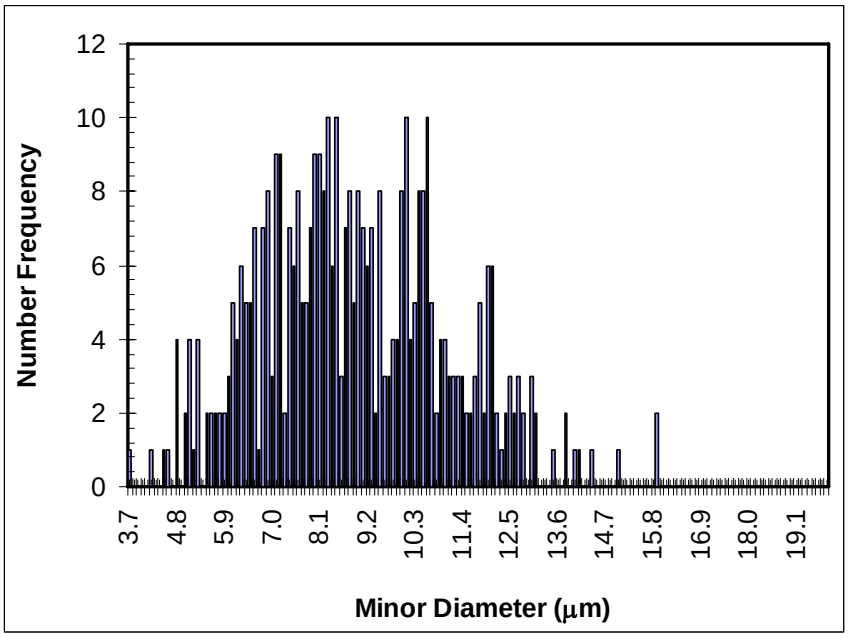
λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1241	3.58	1018.48	1022.06	1.00
1242	3.50	1016.29	1019.79	1.00
1243	3.49	1009.91	1013.39	1.00
1244	2.55	1011.60	1014.15	1.00
1245	2.10	1013.57	1015.67	1.00
1246	1.59	1014.04	1015.63	1.00
1247	0.37	1015.38	1015.75	1.00
1248	0.28	1013.09	1013.37	1.00
1249	0.00	1017.66	1017.12	1.00
1250	0.23	1018.80	1019.03	1.00
1251	0.60	1019.31	1019.91	1.00
1252	0.34	1018.06	1018.40	1.00
1253	0.00	1017.49	1017.31	1.00
1254	1.00	1011.00	1012.01	1.00
1255	1.95	1007.54	1009.49	1.00
1256	2.43	1009.76	1012.19	1.00
1257	2.70	1009.11	1011.81	1.00
1258	1.73	1008.38	1010.11	1.00
1259	0.73	1011.28	1012.01	1.00
1260	0.34	1015.01	1015.35	1.00
1261	1.11	1009.90	1011.01	1.00
1262	0.21	1008.54	1008.75	1.00
1263	0.00	1012.26	1011.18	1.00
1264	0.00	1014.27	1013.01	1.00
1265	0.51	1009.32	1009.83	1.00
1266	3.96	1001.04	1005.00	1.00
1267	7.27	994.38	1001.65	0.99
1268	7.61	994.08	1001.70	0.99
1269	4.71	998.74	1003.45	1.00
1270	1.61	1002.94	1004.56	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1271	0.79	1002.89	1003.68	1.00
1272	0.47	1004.16	1004.62	1.00
1273	2.66	1000.05	1002.70	1.00
1274	3.54	998.38	1001.93	1.00
1275	1.64	1001.84	1003.48	1.00
1276	0.51	1003.27	1003.77	1.00
1277	0.00	1004.69	1003.54	1.00
1278	0.00	1006.15	1004.61	1.00
1279	0.00	1009.31	1006.31	1.00
1280	0.00	1007.95	1004.63	1.00
1281	0.00	1007.99	1004.68	1.00
1282	0.00	1007.61	1003.44	1.00
1283	0.00	1000.09	998.64	1.00
1284	1.05	994.59	995.64	1.00
1285	1.97	994.83	996.80	1.00
1286	4.25	989.26	993.50	1.00
1287	4.08	989.25	993.34	1.00
1288	4.06	990.25	994.31	1.00
1289	7.96	982.94	990.91	0.99
1290	9.19	977.93	987.12	0.99
1291	11.79	973.55	985.34	0.99
1292	10.90	976.64	987.54	0.99
1293	3.37	993.03	996.40	1.00
1294	0.00	1006.62	1004.98	1.00
1295	0.00	1009.23	1005.60	1.00
1296	0.00	1008.79	1005.22	1.00
1297	0.00	1005.25	1002.90	1.00
1298	0.00	1005.84	1002.80	1.00
1299	0.00	1011.38	1006.02	1.01
1300	0.00	1015.79	1009.42	1.01

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1301	0.96	1000.28	1001.24	1.00
1302	9.27	980.22	989.49	0.99
1303	12.85	970.54	983.39	0.99
1304	18.26	963.87	982.13	0.98
1305	19.97	964.24	984.21	0.98
1306	9.55	983.62	993.17	0.99
1307	14.12	973.52	987.64	0.99
1308	14.32	971.63	985.95	0.99
1309	14.23	969.78	984.01	0.99
1310	26.34	942.62	968.97	0.97
1311	26.25	942.60	968.85	0.97

Absorption and scattering coefficients of Chlamydomonas reinhardtii tla1-CW^{+}





Summary for CC125				
	Major Diameter (μm)	Minor Diameter (μm)	Circularity	Feret (μm)
Average	10.3	8.9	0.84	10.6
Stdev	2.3	2.2	0.08	2.3

Chlorophyll Concentrations			
Stats	**Chl a (g/kg)**	**Chl b (g/kg)**	**Chl tot (g/kg)**
Average	22.24 ± 2.17	10.34 ± 0.98	32.57 ± 3.15

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
311	163.35	641.01	804.36	0.80
312	158.74	649.81	808.55	0.80
313	165.54	636.06	801.59	0.79
314	169.85	626.38	796.23	0.79
315	173.98	617.00	790.98	0.78
316	165.74	632.55	798.29	0.79
317	157.82	646.91	804.73	0.80
318	157.53	646.04	803.57	0.80
319	155.85	648.81	804.66	0.81
320	172.56	617.36	789.92	0.78
321	168.73	625.71	794.44	0.79
322	161.61	638.28	799.90	0.80
323	162.63	636.76	799.39	0.80
324	168.80	625.72	794.52	0.79
325	185.26	592.07	777.33	0.76
326	204.46	553.12	757.58	0.73
327	208.78	544.16	752.94	0.72
328	206.76	546.33	753.10	0.73
329	200.03	560.23	760.26	0.74
330	195.01	571.63	766.64	0.75
331	186.36	588.15	774.51	0.76
332	174.10	612.67	786.77	0.78
333	171.02	618.78	789.79	0.78
334	180.54	601.13	781.67	0.77
335	189.04	584.67	773.71	0.76
336	184.55	593.06	777.61	0.76
337	167.17	629.05	796.22	0.79
338	152.15	661.22	813.37	0.81
339	154.34	656.17	810.51	0.81
340	172.66	619.54	792.20	0.78
341	186.90	593.01	779.91	0.76
342	196.56	572.59	769.16	0.74
343	192.92	579.44	772.35	0.75
344	193.30	579.82	773.13	0.75
345	202.96	560.64	763.60	0.73
346	203.06	560.37	763.43	0.73
347	201.94	565.25	767.19	0.74
348	192.03	586.69	778.71	0.75
349	171.88	624.69	796.57	0.78
350	152.94	661.93	814.88	0.81
351	156.20	655.59	811.79	0.81
352	151.49	662.88	814.37	0.81
353	163.02	640.99	804.01	0.80
354	175.78	615.19	790.97	0.78
355	179.13	605.93	785.06	0.77
356	180.47	602.62	783.09	0.77
357	180.17	605.19	785.35	0.77
358	179.25	609.02	788.27	0.77
359	171.68	623.31	794.99	0.78
360	188.46	588.60	777.06	0.76
361	190.99	584.10	775.09	0.75
362	194.95	577.11	772.06	0.75
363	200.93	567.74	768.67	0.74
364	189.09	590.95	780.04	0.76
365	191.25	585.99	777.24	0.75
366	194.77	578.98	773.75	0.75
367	191.66	585.89	777.56	0.75
368	192.82	584.79	777.61	0.75
369	189.81	589.78	779.58	0.76
370	188.25	592.87	781.12	0.76
371	192.42	583.24	775.66	0.75
372	196.78	576.97	773.75	0.75
373	202.43	568.91	771.33	0.74
374	202.34	572.00	774.34	0.74
375	203.67	574.81	778.49	0.74
376	204.95	576.68	781.63	0.74
377	206.50	576.49	782.99	0.74
378	207.53	574.87	782.40	0.73
379	208.45	572.35	780.80	0.73
380	209.67	567.03	776.71	0.73
381	211.34	562.74	774.08	0.73
382	212.82	558.80	771.62	0.72
383	213.05	557.78	770.83	0.72
384	212.48	558.44	770.92	0.72
385	212.44	559.63	772.07	0.72
386	212.78	562.91	775.69	0.73
387	212.98	565.03	778.02	0.73
388	213.58	563.83	777.41	0.73
389	214.47	561.63	776.10	0.72
390	214.98	561.45	776.44	0.72
391	216.29	560.11	776.39	0.72
392	218.37	555.60	773.97	0.72
393	220.25	556.03	776.28	0.72
394	221.91	557.65	779.56	0.72
395	222.10	557.81	779.91	0.72
396	221.66	559.59	781.25	0.72
397	222.21	559.44	781.65	0.72
398	223.55	553.97	777.52	0.71
399	226.81	544.02	770.82	0.71
400	229.23	539.75	768.97	0.70

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
401	231.21	535.63	766.84	0.70
402	233.53	532.76	766.29	0.70
403	236.03	530.87	766.90	0.69
404	239.63	524.57	764.20	0.69
405	242.38	519.14	761.51	0.68
406	245.33	512.32	757.65	0.68
407	248.30	505.80	754.11	0.67
408	250.44	504.14	754.58	0.67
409	253.27	502.59	755.86	0.66
410	256.29	498.57	754.85	0.66
411	258.77	493.13	751.91	0.66
412	262.38	486.45	748.83	0.65
413	265.05	482.02	747.07	0.65
414	267.60	475.30	742.90	0.64
415	269.37	470.36	739.73	0.64
416	270.54	468.14	738.67	0.63
417	271.85	465.17	737.02	0.63
418	273.79	463.94	737.73	0.63
419	275.53	463.82	739.35	0.63
420	277.38	460.84	738.22	0.62
421	279.61	456.65	736.25	0.62
422	280.89	455.87	736.76	0.62
423	282.54	451.94	734.49	0.62
424	283.69	447.56	731.25	0.61
425	285.67	445.29	730.96	0.61
426	287.44	444.63	732.07	0.61
427	289.45	443.24	732.69	0.60
428	290.91	440.83	731.74	0.60
429	292.57	437.22	729.79	0.60
430	294.08	434.03	728.11	0.60

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
431	295.34	431.24	726.58	0.59
432	297.73	425.76	723.49	0.59
433	298.02	425.27	723.29	0.59
434	298.88	426.03	724.91	0.59
435	299.46	426.97	726.42	0.59
436	300.21	425.19	725.41	0.59
437	300.81	423.99	724.80	0.58
438	300.72	424.29	725.01	0.59
439	300.44	424.69	725.12	0.59
440	298.42	428.75	727.17	0.59
441	296.72	432.89	729.61	0.59
442	293.92	439.00	732.91	0.60
443	289.97	444.75	734.72	0.61
444	286.26	451.54	737.80	0.61
445	282.93	461.28	744.21	0.62
446	279.57	469.54	749.11	0.63
447	276.64	477.95	754.59	0.63
448	273.08	486.57	759.65	0.64
449	269.17	492.18	761.35	0.65
450	266.54	496.00	762.55	0.65
451	263.13	501.80	764.93	0.66
452	261.03	506.24	767.27	0.66
453	259.13	514.17	773.30	0.66
454	256.04	521.48	777.52	0.67
455	255.22	521.66	776.87	0.67
456	253.63	525.22	778.85	0.67
457	252.82	527.06	779.87	0.68
458	252.65	526.01	778.66	0.68
459	252.10	525.26	777.36	0.68
460	251.56	523.67	775.23	0.68

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
461	251.09	522.76	773.86	0.68
462	250.86	527.14	778.00	0.68
463	250.40	532.08	782.48	0.68
464	250.80	529.90	780.70	0.68
465	251.08	527.41	778.50	0.68
466	251.50	522.67	774.17	0.68
467	252.57	518.50	771.06	0.67
468	253.33	518.93	772.26	0.67
469	254.03	520.97	775.00	0.67
470	254.01	521.40	775.41	0.67
471	253.91	519.25	773.16	0.67
472	253.68	522.12	775.80	0.67
473	253.08	525.53	778.62	0.67
474	253.40	525.45	778.85	0.67
475	253.22	525.85	779.07	0.67
476	252.61	524.63	777.24	0.67
477	252.31	524.78	777.09	0.68
478	251.22	531.00	782.21	0.68
479	250.20	536.89	787.09	0.68
480	249.41	539.40	788.81	0.68
481	247.62	541.91	789.53	0.69
482	246.13	543.93	790.06	0.69
483	244.43	547.45	791.88	0.69
484	242.22	551.91	794.13	0.69
485	240.84	557.55	798.39	0.70
486	238.46	563.65	802.12	0.70
487	235.83	569.02	804.85	0.71
488	232.89	574.51	807.40	0.71
489	228.85	581.24	810.10	0.72
490	225.46	588.91	814.38	0.72

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
491	221.28	597.30	818.58	0.73
492	216.71	606.24	822.95	0.74
493	212.09	613.95	826.04	0.74
494	206.73	626.43	833.16	0.75
495	201.88	639.37	841.25	0.76
496	197.93	647.53	845.46	0.77
497	192.93	657.45	850.38	0.77
498	188.36	663.64	851.99	0.78
499	183.47	670.06	853.53	0.79
500	177.62	683.11	860.73	0.79
501	173.41	694.26	867.67	0.80
502	167.59	705.69	873.28	0.81
503	161.91	718.42	880.33	0.82
504	156.30	728.71	885.00	0.82
505	149.85	740.39	890.24	0.83
506	145.15	752.20	897.35	0.84
507	140.04	760.58	900.62	0.84
508	134.52	771.01	905.52	0.85
509	129.03	779.86	908.89	0.86
510	123.75	788.91	912.67	0.86
511	119.20	800.16	919.36	0.87
512	115.19	810.20	925.39	0.88
513	110.74	818.79	929.53	0.88
514	106.38	824.52	930.90	0.89
515	101.16	834.31	935.47	0.89
516	97.01	841.94	938.95	0.90
517	92.95	849.45	942.40	0.90
518	89.06	858.96	948.03	0.91
519	85.51	869.94	955.45	0.91
520	81.62	876.42	958.05	0.91

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
521	78.74	878.07	956.81	0.92
522	75.73	884.01	959.74	0.92
523	72.83	890.42	963.24	0.92
524	69.86	896.60	966.46	0.93
525	67.18	900.51	967.69	0.93
526	65.13	902.43	967.56	0.93
527	63.92	906.13	970.05	0.93
528	62.77	912.45	975.22	0.94
529	60.99	919.52	980.51	0.94
530	59.83	920.33	980.16	0.94
531	57.40	923.51	980.91	0.94
532	55.85	924.60	980.45	0.94
533	54.72	925.75	980.47	0.94
534	53.77	928.47	982.24	0.95
535	53.92	929.77	983.68	0.95
536	53.55	930.16	983.71	0.95
537	52.66	929.56	982.22	0.95
538	52.31	932.97	985.28	0.95
539	51.66	936.85	988.51	0.95
540	51.02	936.95	987.96	0.95
541	50.56	937.12	987.68	0.95
542	49.99	939.88	989.87	0.95
543	49.35	942.75	992.10	0.95
544	49.07	943.51	992.58	0.95
545	49.35	940.66	990.01	0.95
546	48.76	941.50	990.25	0.95
547	48.31	945.00	993.32	0.95
548	48.73	947.79	996.52	0.95
549	48.43	946.01	994.44	0.95
550	48.55	944.16	992.71	0.95

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
551	47.58	946.88	994.47	0.95
552	46.36	952.40	998.76	0.95
553	46.60	954.10	1000.70	0.95
554	46.99	951.86	998.85	0.95
555	48.25	946.22	994.46	0.95
556	48.66	944.11	992.76	0.95
557	48.21	949.66	997.88	0.95
558	47.73	953.96	1001.69	0.95
559	47.21	955.59	1002.79	0.95
560	48.10	952.47	1000.57	0.95
561	49.61	949.19	998.80	0.95
562	49.89	949.21	999.10	0.95
563	50.36	945.59	995.95	0.95
564	49.71	948.25	997.95	0.95
565	49.06	956.16	1005.21	0.95
566	49.60	957.34	1006.94	0.95
567	51.47	951.48	1002.95	0.95
568	52.60	945.80	998.40	0.95
569	53.98	941.55	995.53	0.95
570	55.70	938.62	994.32	0.94
571	55.73	940.50	996.23	0.94
572	56.93	939.22	996.15	0.94
573	58.39	934.16	992.56	0.94
574	58.89	935.76	994.65	0.94
575	60.70	937.11	997.81	0.94
576	61.37	936.81	998.18	0.94
577	62.16	935.81	997.97	0.94
578	62.65	933.95	996.60	0.94
579	63.73	927.35	991.08	0.94
580	63.86	929.52	993.38	0.94

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
581	64.56	932.71	997.27	0.94
582	64.91	933.05	997.96	0.93
583	65.11	930.44	995.55	0.93
584	66.48	929.48	995.95	0.93
585	67.34	930.33	997.67	0.93
586	68.37	929.19	997.55	0.93
587	68.99	926.56	995.55	0.93
588	69.07	922.92	992.00	0.93
589	69.57	921.51	991.08	0.93
590	70.10	924.07	994.17	0.93
591	70.71	924.90	995.61	0.93
592	71.14	924.08	995.22	0.93
593	71.62	923.13	994.75	0.93
594	72.58	920.66	993.24	0.93
595	73.69	917.50	991.19	0.93
596	73.86	915.05	988.90	0.93
597	73.77	917.91	991.68	0.93
598	74.26	920.29	994.55	0.93
599	73.98	921.06	995.04	0.93
600	75.05	918.98	994.03	0.92
601	76.12	916.20	992.32	0.92
602	75.91	916.71	992.61	0.92
603	77.04	914.48	991.51	0.92
604	77.67	913.18	990.85	0.92
605	78.49	909.81	988.30	0.92
606	79.25	907.80	987.06	0.92
607	79.52	910.97	990.49	0.92
608	80.62	912.30	992.92	0.92
609	81.15	913.19	994.34	0.92
610	82.48	907.59	990.07	0.92

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
611	83.21	900.68	983.89	0.92
612	83.44	901.82	985.27	0.92
613	84.79	902.95	987.74	0.91
614	85.05	906.14	991.18	0.91
615	86.07	903.62	989.68	0.91
616	87.60	899.12	986.72	0.91
617	88.18	898.78	986.97	0.91
618	89.06	900.28	989.35	0.91
619	89.98	898.18	988.16	0.91
620	90.86	896.27	987.13	0.91
621	90.57	895.51	986.08	0.91
622	91.20	894.37	985.57	0.91
623	91.04	899.35	990.39	0.91
624	90.43	901.96	992.38	0.91
625	90.59	902.97	993.56	0.91
626	91.46	899.54	991.00	0.91
627	91.17	897.89	989.05	0.91
628	92.21	891.87	984.08	0.91
629	93.09	887.53	980.62	0.91
630	93.40	888.12	981.52	0.90
631	93.94	888.37	982.31	0.90
632	94.22	888.56	982.77	0.90
633	95.15	883.87	979.02	0.90
634	95.85	880.16	976.01	0.90
635	97.54	878.75	976.29	0.90
636	99.24	878.48	977.72	0.90
637	100.35	879.25	979.60	0.90
638	102.85	872.46	975.31	0.89
639	105.61	866.00	971.61	0.89
640	108.69	866.10	974.79	0.89

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
641	113.12	864.46	977.58	0.88
642	117.50	857.47	974.97	0.88
643	120.77	848.31	969.08	0.88
644	125.02	834.76	959.78	0.87
645	129.51	825.64	955.15	0.86
646	132.91	825.76	958.66	0.86
647	136.83	819.33	956.16	0.86
648	140.39	810.22	950.61	0.85
649	143.14	803.58	946.72	0.85
650	146.11	799.44	945.55	0.85
651	148.34	797.20	945.53	0.84
652	150.55	793.04	943.59	0.84
653	152.52	789.21	941.73	0.84
654	154.39	785.42	939.80	0.84
655	157.58	779.73	937.31	0.83
656	160.44	775.79	936.23	0.83
657	163.35	771.71	935.07	0.83
658	167.32	766.59	933.91	0.82
659	171.25	759.31	930.56	0.82
660	175.17	749.24	924.41	0.81
661	180.85	737.67	918.53	0.80
662	185.71	728.21	913.92	0.80
663	190.83	722.65	913.47	0.79
664	196.89	714.37	911.27	0.78
665	202.17	703.05	905.22	0.78
666	207.88	688.96	896.84	0.77
667	212.46	680.44	892.91	0.76
668	217.32	673.63	890.95	0.76
669	221.02	668.71	889.73	0.75
670	224.51	658.80	883.31	0.75

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
671	227.29	651.23	878.53	0.74
672	227.99	651.24	879.23	0.74
673	229.35	654.08	883.43	0.74
674	230.65	655.25	885.89	0.74
675	232.22	652.94	885.17	0.74
676	231.40	652.02	883.42	0.74
677	230.13	653.98	884.12	0.74
678	228.44	659.76	888.20	0.74
679	225.74	666.29	892.03	0.75
680	222.16	677.08	899.24	0.75
681	217.23	690.40	907.64	0.76
682	209.11	708.47	917.58	0.77
683	199.66	729.67	929.33	0.79
684	191.80	748.73	940.53	0.80
685	181.50	770.07	951.57	0.81
686	169.54	798.82	968.36	0.82
687	157.35	824.28	981.63	0.84
688	143.84	849.32	993.16	0.86
689	131.04	879.34	1010.37	0.87
690	120.59	902.60	1023.19	0.88
691	110.16	926.63	1036.79	0.89
692	99.77	950.51	1050.28	0.91
693	90.77	968.54	1059.31	0.91
694	82.34	983.11	1065.45	0.92
695	73.51	1000.50	1074.01	0.93
696	66.52	1019.71	1086.23	0.94
697	59.21	1040.59	1099.79	0.95
698	52.97	1053.86	1106.83	0.95
699	48.07	1059.62	1107.69	0.96
700	43.27	1067.34	1110.61	0.96

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
701	39.16	1079.07	1118.23	0.96
702	35.62	1088.80	1124.42	0.97
703	32.51	1093.28	1125.79	0.97
704	29.43	1095.42	1124.85	0.97
705	27.29	1099.08	1126.37	0.98
706	24.34	1107.63	1131.97	0.98
707	21.69	1115.23	1136.92	0.98
708	20.15	1118.44	1138.58	0.98
709	16.81	1122.89	1139.70	0.99
710	14.77	1122.37	1137.14	0.99
711	14.37	1122.33	1136.70	0.99
712	13.01	1128.32	1141.33	0.99
713	12.72	1129.23	1141.95	0.99
714	12.89	1128.92	1141.81	0.99
715	11.28	1129.99	1141.27	0.99
716	10.19	1129.96	1140.15	0.99
717	10.43	1131.73	1142.16	0.99
718	9.63	1135.08	1144.71	0.99
719	9.68	1135.98	1145.66	0.99
720	8.94	1136.59	1145.52	0.99
721	7.46	1137.62	1145.08	0.99
722	6.86	1140.90	1147.76	0.99
723	6.80	1143.96	1150.76	0.99
724	8.02	1141.32	1149.34	0.99
725	7.85	1140.58	1148.44	0.99
726	8.02	1136.82	1144.84	0.99
727	7.39	1135.17	1142.56	0.99
728	6.41	1138.65	1145.06	0.99
729	6.16	1144.80	1150.96	0.99
730	4.48	1150.81	1155.28	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
731	3.89	1147.25	1151.14	1.00
732	3.18	1145.87	1149.05	1.00
733	3.97	1146.57	1150.55	1.00
734	4.37	1148.65	1153.02	1.00
735	5.42	1148.15	1153.57	1.00
736	5.77	1147.61	1153.38	0.99
737	4.82	1147.12	1151.94	1.00
738	4.68	1143.83	1148.51	1.00
739	3.91	1147.15	1151.06	1.00
740	2.55	1154.41	1156.96	1.00
741	2.79	1157.07	1159.85	1.00
742	2.82	1154.78	1157.60	1.00
743	2.61	1150.13	1152.74	1.00
744	3.55	1145.77	1149.32	1.00
745	2.84	1150.91	1153.75	1.00
746	2.77	1154.91	1157.68	1.00
747	1.64	1159.05	1160.68	1.00
748	1.30	1157.24	1158.54	1.00
749	1.46	1154.20	1155.66	1.00
750	1.21	1157.94	1159.15	1.00
751	1.85	1159.34	1161.18	1.00
752	2.14	1159.75	1161.89	1.00
753	1.70	1159.08	1160.79	1.00
754	0.37	1160.99	1161.36	1.00
755	0.78	1158.74	1159.53	1.00
756	0.53	1160.90	1161.43	1.00
757	0.93	1164.05	1164.98	1.00
758	0.90	1165.69	1166.59	1.00
759	0.00	1163.32	1162.88	1.00
760	0.00	1157.57	1157.34	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
761	0.00	1161.67	1161.67	1.00
762	0.74	1165.65	1166.39	1.00
763	0.40	1166.63	1167.04	1.00
764	0.00	1166.56	1165.89	1.00
765	0.00	1163.53	1162.83	1.00
766	0.00	1165.53	1164.34	1.00
767	0.00	1170.41	1169.34	1.00
768	2.12	1165.99	1168.12	1.00
769	0.45	1166.15	1166.60	1.00
770	0.39	1163.02	1163.41	1.00
771	0.30	1161.47	1161.77	1.00
772	0.00	1171.20	1168.67	1.00
773	0.00	1177.09	1175.37	1.00
774	0.00	1175.20	1173.95	1.00
775	0.00	1170.03	1169.79	1.00
776	0.00	1165.70	1165.39	1.00
777	0.00	1163.46	1163.34	1.00
778	0.00	1168.76	1167.83	1.00
779	0.00	1173.63	1171.31	1.00
780	0.00	1172.19	1170.07	1.00
781	0.00	1174.69	1170.63	1.00
782	0.00	1173.82	1171.08	1.00
783	0.00	1172.80	1171.54	1.00
784	0.14	1171.11	1171.25	1.00
785	1.92	1167.57	1169.49	1.00
786	0.29	1171.54	1171.83	1.00
787	0.00	1172.31	1171.73	1.00
788	0.00	1172.62	1172.14	1.00
789	0.00	1175.98	1175.52	1.00
790	0.73	1174.43	1175.16	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
791	2.01	1167.08	1169.09	1.00
792	2.88	1161.69	1164.57	1.00
793	1.83	1164.29	1166.12	1.00
794	2.13	1163.13	1165.25	1.00
795	1.67	1167.01	1168.68	1.00
796	0.23	1174.28	1174.51	1.00
797	0.74	1172.12	1172.87	1.00
798	0.28	1169.08	1169.36	1.00
799	0.35	1165.86	1166.21	1.00
800	0.70	1167.58	1168.28	1.00
801	0.09	1175.53	1175.61	1.00
802	0.00	1180.46	1178.35	1.00
803	0.00	1179.57	1175.68	1.00
804	0.00	1178.76	1173.06	1.00
805	0.00	1183.50	1177.41	1.01
806	0.00	1185.75	1180.92	1.00
807	0.00	1188.74	1183.39	1.00
808	0.00	1185.75	1181.03	1.00
809	0.00	1179.57	1173.71	1.00
810	0.00	1176.27	1171.16	1.00
811	0.00	1183.00	1178.01	1.00
812	0.00	1187.19	1181.94	1.00
813	0.00	1177.81	1174.98	1.00
814	0.00	1170.64	1169.08	1.00
815	0.00	1172.14	1170.92	1.00
816	0.70	1172.30	1173.00	1.00
817	0.00	1175.41	1174.95	1.00
818	0.00	1181.59	1177.96	1.00
819	0.00	1175.63	1174.17	1.00
820	0.00	1172.17	1169.74	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
821	0.00	1171.35	1169.92	1.00
822	0.00	1182.10	1179.20	1.00
823	0.00	1185.10	1179.96	1.00
824	0.00	1186.07	1179.12	1.01
825	0.00	1183.34	1177.81	1.00
826	0.00	1179.46	1174.79	1.00
827	0.00	1180.27	1175.06	1.00
828	0.00	1187.66	1181.25	1.01
829	0.00	1193.93	1185.37	1.01
830	0.00	1188.44	1181.09	1.01
831	0.00	1189.34	1180.45	1.01
832	0.00	1183.02	1177.00	1.01
833	0.00	1186.40	1181.64	1.00
834	0.00	1186.87	1182.73	1.00
835	0.00	1176.68	1175.04	1.00
836	0.00	1170.09	1170.04	1.00
837	1.54	1165.04	1166.58	1.00
838	0.87	1172.20	1173.07	1.00
839	0.90	1178.94	1179.84	1.00
840	0.00	1181.58	1180.54	1.00
841	0.00	1180.32	1177.56	1.00
842	0.00	1180.08	1177.14	1.00
843	0.00	1186.42	1182.13	1.00
844	0.00	1184.21	1181.43	1.00
845	0.00	1188.10	1182.63	1.00
846	0.00	1191.75	1184.05	1.01
847	0.00	1186.26	1181.74	1.00
848	0.00	1190.62	1185.67	1.00
849	1.40	1181.80	1183.20	1.00
850	4.32	1175.36	1179.68	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
851	1.75	1178.47	1180.23	1.00
852	2.14	1180.24	1182.37	1.00
853	0.00	1194.57	1189.93	1.00
854	0.00	1194.82	1188.66	1.01
855	0.00	1201.93	1194.67	1.01
856	0.00	1213.90	1204.39	1.01
857	0.00	1209.89	1203.29	1.01
858	0.00	1204.15	1199.40	1.00
859	0.00	1200.08	1194.99	1.00
860	0.00	1204.75	1198.88	1.00
861	0.00	1209.86	1205.28	1.00
862	0.00	1220.97	1214.12	1.01
863	0.00	1221.14	1215.39	1.00
864	0.00	1217.97	1212.02	1.00
865	0.00	1219.99	1213.49	1.01
866	0.00	1222.96	1218.59	1.00
867	0.00	1228.20	1225.46	1.00
868	1.53	1223.47	1225.00	1.00
869	1.08	1224.22	1225.30	1.00
870	3.85	1217.87	1221.71	1.00
871	3.74	1174.75	1178.49	1.00
872	3.08	1131.96	1135.04	1.00
873	4.34	1133.38	1137.71	1.00
874	0.21	1144.08	1144.29	1.00
875	1.52	1138.14	1139.66	1.00
876	0.00	1149.22	1147.38	1.00
877	0.00	1156.57	1153.26	1.00
878	0.00	1153.69	1151.11	1.00
879	0.00	1150.82	1148.00	1.00
880	0.01	1143.72	1143.73	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
881	0.00	1141.67	1140.27	1.00
882	0.00	1140.05	1137.09	1.00
883	0.00	1140.89	1135.67	1.00
884	0.00	1132.35	1128.32	1.00
885	0.00	1129.53	1126.59	1.00
886	0.00	1128.16	1125.29	1.00
887	0.00	1127.31	1125.71	1.00
888	0.00	1131.45	1130.89	1.00
889	0.00	1144.86	1144.48	1.00
890	0.66	1152.15	1152.81	1.00
891	2.71	1146.24	1148.95	1.00
892	1.20	1145.29	1146.49	1.00
893	3.72	1132.33	1136.05	1.00
894	4.10	1133.51	1137.61	1.00
895	3.55	1137.47	1141.02	1.00
896	2.55	1126.29	1128.84	1.00
897	0.00	1129.88	1128.63	1.00
898	0.00	1133.82	1131.43	1.00
899	0.00	1136.71	1132.47	1.00
900	-6.08	1138.94	1132.86	1.01
901	0.00	1136.82	1132.30	1.00
902	0.00	1135.53	1131.91	1.00
903	0.00	1129.17	1126.88	1.00
904	0.00	1132.56	1130.93	1.00
905	0.00	1138.51	1136.09	1.00
906	0.00	1139.62	1137.77	1.00
907	0.00	1141.26	1138.81	1.00
908	0.00	1140.13	1138.75	1.00
909	0.00	1143.11	1141.65	1.00
910	0.00	1142.61	1139.73	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
911	0.00	1133.55	1130.56	1.00
912	0.00	1131.59	1128.72	1.00
913	0.00	1130.98	1127.88	1.00
914	0.00	1131.60	1128.70	1.00
915	0.00	1131.25	1129.37	1.00
916	0.00	1124.45	1124.06	1.00
917	1.54	1120.34	1121.88	1.00
918	5.62	1111.92	1117.54	0.99
919	7.55	1111.86	1119.41	0.99
920	8.93	1109.41	1118.34	0.99
921	7.20	1110.69	1117.89	0.99
922	4.87	1115.65	1120.52	1.00
923	1.51	1119.97	1121.48	1.00
924	0.64	1118.14	1118.78	1.00
925	2.98	1113.22	1116.20	1.00
926	2.65	1121.17	1123.82	1.00
927	3.72	1119.07	1122.79	1.00
928	2.79	1115.16	1117.94	1.00
929	1.98	1116.57	1118.55	1.00
930	1.87	1117.65	1119.52	1.00
931	1.38	1119.68	1121.06	1.00
932	1.31	1119.86	1121.17	1.00
933	0.12	1119.59	1119.71	1.00
934	0.00	1118.15	1117.47	1.00
935	0.42	1116.63	1117.05	1.00
936	1.96	1114.66	1116.62	1.00
937	2.94	1114.68	1117.62	1.00
938	2.22	1115.60	1117.82	1.00
939	1.02	1118.60	1119.63	1.00
940	0.00	1122.32	1122.03	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
941	0.83	1122.07	1122.91	1.00
942	2.92	1118.33	1121.25	1.00
943	4.48	1111.13	1115.61	1.00
944	3.98	1111.77	1115.75	1.00
945	3.04	1110.31	1113.35	1.00
946	2.46	1109.78	1112.24	1.00
947	2.69	1107.72	1110.41	1.00
948	2.16	1108.56	1110.72	1.00
949	1.46	1109.97	1111.43	1.00
950	1.20	1111.91	1113.10	1.00
951	0.00	1123.25	1121.96	1.00
952	0.16	1119.03	1119.19	1.00
953	0.28	1118.25	1118.53	1.00
954	0.78	1118.57	1119.34	1.00
955	2.34	1113.65	1115.99	1.00
956	2.51	1113.45	1115.96	1.00
957	1.84	1113.34	1115.18	1.00
958	2.32	1112.65	1114.97	1.00
959	3.82	1108.24	1112.05	1.00
960	3.24	1110.32	1113.56	1.00
961	4.17	1112.47	1116.65	1.00
962	3.98	1113.99	1117.97	1.00
963	2.85	1118.51	1121.36	1.00
964	2.25	1120.49	1122.74	1.00
965	1.85	1119.73	1121.59	1.00
966	0.00	1123.40	1122.05	1.00
967	0.00	1123.42	1120.93	1.00
968	0.00	1124.87	1121.98	1.00
969	0.00	1127.52	1123.18	1.00
970	0.00	1128.14	1124.77	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
971	0.00	1129.57	1126.35	1.00
972	0.00	1123.37	1121.39	1.00
973	0.00	1120.81	1120.35	1.00
974	0.52	1119.86	1120.38	1.00
975	2.32	1115.84	1118.15	1.00
976	3.12	1113.48	1116.61	1.00
977	3.74	1108.10	1111.84	1.00
978	3.35	1102.45	1105.80	1.00
979	1.93	1105.13	1107.06	1.00
980	0.46	1106.27	1106.73	1.00
981	0.75	1106.38	1107.13	1.00
982	0.37	1109.07	1109.44	1.00
983	0.65	1105.61	1106.26	1.00
984	0.24	1102.22	1102.47	1.00
985	0.19	1105.64	1105.83	1.00
986	0.59	1111.99	1112.59	1.00
987	0.34	1111.30	1111.64	1.00
988	0.61	1111.51	1112.12	1.00
989	0.00	1112.93	1112.68	1.00
990	0.15	1111.44	1111.59	1.00
991	0.00	1111.16	1110.93	1.00
992	0.69	1110.23	1110.92	1.00
993	0.07	1112.99	1113.06	1.00
994	0.00	1113.26	1112.65	1.00
995	0.40	1108.99	1109.39	1.00
996	0.00	1102.72	1102.57	1.00
997	0.16	1097.54	1097.70	1.00
998	0.00	1095.04	1094.84	1.00
999	0.00	1095.76	1093.96	1.00
1000	0.00	1094.34	1092.66	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1001	0.00	1094.54	1093.11	1.00
1002	0.00	1095.45	1094.38	1.00
1003	0.14	1094.50	1094.63	1.00
1004	0.00	1094.77	1094.60	1.00
1005	0.53	1091.61	1092.14	1.00
1006	0.22	1092.10	1092.32	1.00
1007	0.00	1091.74	1091.73	1.00
1008	0.06	1096.57	1096.63	1.00
1009	0.00	1099.83	1099.58	1.00
1010	0.00	1100.40	1099.97	1.00
1011	0.00	1100.12	1099.88	1.00
1012	0.00	1093.09	1093.09	1.00
1013	0.55	1092.27	1092.82	1.00
1014	1.55	1087.97	1089.52	1.00
1015	2.18	1083.15	1085.34	1.00
1016	2.78	1077.89	1080.66	1.00
1017	3.16	1072.63	1075.79	1.00
1018	2.61	1073.67	1076.28	1.00
1019	2.43	1073.49	1075.92	1.00
1020	1.76	1079.49	1081.25	1.00
1021	0.88	1079.71	1080.58	1.00
1022	0.69	1076.95	1077.65	1.00
1023	0.00	1077.09	1077.01	1.00
1024	0.17	1076.38	1076.54	1.00
1025	0.29	1076.70	1076.99	1.00
1026	0.00	1077.44	1077.31	1.00
1027	0.00	1078.30	1077.88	1.00
1028	0.00	1077.26	1076.12	1.00
1029	0.00	1076.88	1076.42	1.00
1030	1.17	1072.81	1073.98	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1031	1.88	1070.32	1072.20	1.00
1032	1.94	1067.76	1069.69	1.00
1033	1.54	1064.46	1066.00	1.00
1034	1.11	1064.09	1065.20	1.00
1035	1.41	1066.85	1068.26	1.00
1036	2.42	1062.07	1064.49	1.00
1037	1.73	1062.15	1063.88	1.00
1038	0.98	1061.21	1062.19	1.00
1039	0.39	1055.88	1056.26	1.00
1040	0.03	1059.08	1059.12	1.00
1041	0.70	1053.37	1054.07	1.00
1042	0.47	1056.48	1056.95	1.00
1043	0.00	1058.70	1058.63	1.00
1044	0.03	1051.56	1051.58	1.00
1045	0.00	1055.72	1055.41	1.00
1046	0.04	1056.00	1056.04	1.00
1047	0.98	1047.64	1048.62	1.00
1048	1.13	1043.32	1044.45	1.00
1049	1.31	1043.62	1044.93	1.00
1050	1.69	1041.72	1043.41	1.00
1051	1.62	1043.26	1044.89	1.00
1052	1.08	1044.80	1045.88	1.00
1053	0.32	1040.81	1041.13	1.00
1054	0.40	1043.51	1043.91	1.00
1055	0.95	1046.00	1046.95	1.00
1056	0.98	1042.61	1043.59	1.00
1057	1.63	1041.03	1042.66	1.00
1058	1.76	1042.06	1043.82	1.00
1059	1.59	1039.68	1041.27	1.00
1060	2.66	1035.44	1038.10	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1061	2.78	1036.65	1039.43	1.00
1062	2.93	1031.56	1034.49	1.00
1063	3.17	1030.89	1034.06	1.00
1064	3.10	1030.15	1033.25	1.00
1065	3.20	1027.12	1030.32	1.00
1066	3.98	1022.01	1025.99	1.00
1067	4.61	1023.83	1028.44	1.00
1068	4.40	1023.67	1028.07	1.00
1069	5.09	1018.71	1023.80	1.00
1070	4.52	1021.18	1025.70	1.00
1071	4.03	1015.57	1019.61	1.00
1072	3.54	1017.95	1021.49	1.00
1073	3.65	1018.27	1021.91	1.00
1074	3.55	1019.49	1023.04	1.00
1075	3.64	1018.53	1022.17	1.00
1076	2.70	1018.81	1021.51	1.00
1077	1.25	1018.07	1019.31	1.00
1078	0.48	1022.20	1022.68	1.00
1079	0.00	1029.29	1029.15	1.00
1080	1.27	1022.88	1024.15	1.00
1081	2.20	1022.40	1024.61	1.00
1082	3.13	1020.66	1023.79	1.00
1083	3.48	1016.29	1019.77	1.00
1084	3.62	1014.24	1017.86	1.00
1085	3.82	1015.35	1019.18	1.00
1086	3.99	1011.98	1015.97	1.00
1087	3.79	1011.32	1015.11	1.00
1088	2.98	1010.48	1013.47	1.00
1089	2.22	1010.01	1012.24	1.00
1090	1.64	1014.42	1016.06	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1091	1.79	1013.55	1015.33	1.00
1092	1.88	1015.94	1017.81	1.00
1093	2.24	1016.37	1018.61	1.00
1094	3.19	1008.73	1011.92	1.00
1095	4.69	1007.32	1012.01	1.00
1096	6.72	1005.25	1011.97	0.99
1097	8.03	1000.79	1008.82	0.99
1098	8.04	1001.29	1009.33	0.99
1099	7.24	1004.47	1011.71	0.99
1100	6.79	1002.32	1009.10	0.99
1101	5.23	1006.93	1012.17	0.99
1102	5.20	1009.94	1015.14	0.99
1103	3.98	1009.50	1013.48	1.00
1104	1.72	1015.34	1017.06	1.00
1105	0.00	1018.28	1017.64	1.00
1106	0.00	1026.83	1023.33	1.00
1107	0.00	1024.76	1021.32	1.00
1108	0.00	1020.62	1018.22	1.00
1109	1.26	1012.30	1013.56	1.00
1110	5.03	1003.24	1008.27	1.00
1111	8.37	997.30	1005.68	0.99
1112	11.09	992.43	1003.53	0.99
1113	13.79	984.89	998.68	0.99
1114	14.82	984.09	998.91	0.99
1115	13.82	990.81	1004.62	0.99
1116	12.67	992.60	1005.28	0.99
1117	10.24	1003.97	1014.21	0.99
1118	9.43	1002.82	1012.25	0.99
1119	8.23	1001.06	1009.29	0.99
1120	5.84	1008.21	1014.04	0.99

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1121	3.33	1012.12	1015.45	1.00
1122	1.46	1012.63	1014.08	1.00
1123	2.75	1013.30	1016.05	1.00
1124	4.64	1013.84	1018.48	1.00
1125	6.98	1006.39	1013.37	0.99
1126	10.08	1003.93	1014.00	0.99
1127	10.21	1002.45	1012.65	0.99
1128	12.15	994.62	1006.77	0.99
1129	12.28	1000.58	1012.86	0.99
1130	11.17	1003.02	1014.19	0.99
1131	12.03	995.20	1007.23	0.99
1132	9.52	997.96	1007.48	0.99
1133	8.57	1002.30	1010.87	0.99
1134	8.90	1005.71	1014.62	0.99
1135	7.57	1014.27	1021.84	0.99
1136	9.52	1009.74	1019.26	0.99
1137	10.03	1001.82	1011.85	0.99
1138	8.62	1011.69	1020.31	0.99
1139	8.44	1016.22	1024.66	0.99
1140	5.24	1020.39	1025.63	0.99
1141	4.75	1018.91	1023.66	1.00
1142	3.01	1024.48	1027.50	1.00
1143	2.56	1026.10	1028.67	1.00
1144	2.90	1030.86	1033.75	1.00
1145	2.58	1038.45	1041.03	1.00
1146	3.78	1036.39	1040.17	1.00
1147	4.48	1037.53	1042.01	1.00
1148	3.49	1042.35	1045.84	1.00
1149	3.44	1043.06	1046.50	1.00
1150	3.46	1038.48	1041.94	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1151	2.94	1044.08	1047.02	1.00
1152	6.41	1036.79	1043.20	0.99
1153	5.91	1039.57	1045.48	0.99
1154	5.58	1042.88	1048.46	0.99
1155	5.45	1047.78	1053.23	0.99
1156	3.76	1064.86	1068.61	1.00
1157	4.79	1071.80	1076.59	1.00
1158	5.71	1070.07	1075.78	0.99
1159	4.38	1070.06	1074.44	1.00
1160	1.75	1075.80	1077.56	1.00
1161	0.00	1081.35	1080.80	1.00
1162	0.00	1084.91	1084.32	1.00
1163	1.06	1082.92	1083.98	1.00
1164	3.12	1074.77	1077.90	1.00
1165	5.64	1064.57	1070.21	0.99
1166	3.51	1070.57	1074.07	1.00
1167	1.72	1079.76	1081.47	1.00
1168	0.33	1081.08	1081.41	1.00
1169	0.00	1082.09	1081.35	1.00
1170	0.61	1077.23	1077.84	1.00
1171	0.28	1074.13	1074.42	1.00
1172	0.70	1078.48	1079.18	1.00
1173	0.71	1075.93	1076.64	1.00
1174	0.54	1074.62	1075.16	1.00
1175	1.38	1075.53	1076.90	1.00
1176	1.42	1075.37	1076.79	1.00
1177	1.53	1072.57	1074.10	1.00
1178	1.98	1071.18	1073.16	1.00
1179	1.21	1073.90	1075.11	1.00
1180	1.87	1074.47	1076.33	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1181	0.78	1078.18	1078.95	1.00
1182	1.52	1070.79	1072.32	1.00
1183	2.00	1071.09	1073.10	1.00
1184	1.78	1071.33	1073.11	1.00
1185	3.19	1072.14	1075.33	1.00
1186	1.93	1070.48	1072.42	1.00
1187	1.52	1068.89	1070.41	1.00
1188	0.00	1075.80	1074.73	1.00
1189	0.00	1074.62	1073.49	1.00
1190	0.00	1074.96	1074.69	1.00
1191	1.00	1071.46	1072.46	1.00
1192	2.05	1071.49	1073.53	1.00
1193	1.21	1070.38	1071.58	1.00
1194	0.74	1071.72	1072.46	1.00
1195	0.00	1073.98	1073.56	1.00
1196	1.01	1071.26	1072.27	1.00
1197	0.71	1069.73	1070.45	1.00
1198	0.82	1066.16	1066.98	1.00
1199	1.07	1069.50	1070.57	1.00
1200	0.00	1077.38	1076.68	1.00
1201	0.11	1072.02	1072.12	1.00
1202	0.00	1069.38	1068.78	1.00
1203	0.00	1073.52	1072.92	1.00
1204	0.00	1071.41	1071.06	1.00
1205	0.00	1068.78	1068.33	1.00
1206	0.00	1070.88	1070.86	1.00
1207	0.00	1071.69	1069.95	1.00
1208	0.00	1071.94	1070.65	1.00
1209	0.00	1071.52	1069.60	1.00
1210	0.00	1068.06	1065.41	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1211	0.00	1061.04	1060.45	1.00
1212	0.00	1062.24	1062.11	1.00
1213	0.19	1063.45	1063.65	1.00
1214	0.82	1059.80	1060.62	1.00
1215	0.00	1063.05	1062.81	1.00
1216	0.00	1065.00	1064.12	1.00
1217	0.00	1072.08	1070.89	1.00
1218	0.00	1069.82	1068.85	1.00
1219	0.00	1071.36	1070.18	1.00
1220	0.00	1065.52	1064.53	1.00
1221	0.00	1063.48	1061.31	1.00
1222	0.00	1070.39	1066.98	1.00
1223	0.00	1068.92	1066.84	1.00
1224	0.00	1066.59	1064.40	1.00
1225	0.00	1060.72	1060.21	1.00
1226	0.94	1054.24	1055.19	1.00
1227	0.47	1052.12	1052.59	1.00
1228	1.45	1058.77	1060.22	1.00
1229	0.34	1059.42	1059.76	1.00
1230	0.00	1057.47	1057.07	1.00
1231	0.39	1052.41	1052.79	1.00
1232	0.00	1053.20	1052.13	1.00
1233	0.00	1057.58	1056.09	1.00
1234	0.00	1059.77	1058.11	1.00
1235	0.00	1061.45	1059.70	1.00
1236	0.49	1053.68	1054.17	1.00
1237	2.37	1047.05	1049.42	1.00
1238	2.58	1048.45	1051.04	1.00
1239	2.24	1047.97	1050.21	1.00
1240	2.09	1049.30	1051.39	1.00

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1241	1.31	1050.68	1051.99	1.00
1242	1.56	1048.02	1049.58	1.00
1243	2.81	1038.39	1041.20	1.00
1244	2.36	1039.49	1041.85	1.00
1245	1.70	1043.64	1045.34	1.00
1246	0.26	1045.71	1045.97	1.00
1247	0.00	1048.08	1046.21	1.00
1248	0.00	1043.27	1041.07	1.00
1249	0.00	1046.93	1044.65	1.00
1250	0.00	1046.85	1046.52	1.00
1251	0.00	1048.61	1048.41	1.00
1252	0.09	1044.91	1045.00	1.00
1253	1.15	1043.70	1044.85	1.00
1254	1.76	1038.81	1040.57	1.00
1255	3.63	1034.43	1038.06	1.00
1256	4.88	1035.76	1040.64	1.00
1257	4.32	1037.79	1042.11	1.00
1258	3.75	1039.06	1042.80	1.00
1259	2.78	1036.71	1039.49	1.00
1260	2.60	1038.69	1041.29	1.00
1261	2.54	1036.72	1039.26	1.00
1262	1.77	1033.46	1035.24	1.00
1263	0.04	1036.53	1036.57	1.00
1264	0.00	1041.20	1039.67	1.00
1265	0.00	1039.49	1038.01	1.00
1266	0.00	1042.27	1040.35	1.00
1267	0.00	1040.57	1040.34	1.00
1268	2.05	1037.25	1039.30	1.00
1269	4.83	1029.45	1034.28	1.00
1270	7.14	1019.66	1026.80	0.99

λ (nm)	$A_{abs,\lambda}$ (m^2/kg)	$S_{sca,\lambda}$ (m^2/kg)	$E_{ext,\lambda}$ (m^2/kg)	albedo
1271	10.07	1014.26	1024.32	0.99
1272	10.16	1016.67	1026.82	0.99
1273	9.92	1018.47	1028.39	0.99
1274	10.47	1019.94	1030.41	0.99
1275	7.03	1023.26	1030.28	0.99
1276	4.67	1022.87	1027.54	1.00
1277	0.82	1029.33	1030.15	1.00
1278	0.00	1038.99	1036.21	1.00
1279	0.00	1047.92	1040.63	1.01
1280	0.00	1050.09	1041.13	1.01
1281	0.00	1050.08	1040.50	1.01
1282	0.00	1050.29	1039.95	1.01
1283	0.00	1040.10	1036.17	1.00
1284	0.44	1031.00	1031.45	1.00
1285	5.59	1023.59	1029.18	0.99
1286	8.74	1015.92	1024.66	0.99
1287	9.08	1016.16	1025.24	0.99
1288	10.38	1016.63	1027.01	0.99
1289	10.78	1016.70	1027.48	0.99
1290	11.70	1008.89	1020.59	0.99
1291	11.82	1010.50	1022.32	0.99
1292	8.91	1017.09	1025.99	0.99
1293	2.18	1028.27	1030.45	1.00
1294	0.00	1042.50	1039.93	1.00
1295	0.00	1046.43	1040.88	1.01
1296	0.00	1055.32	1047.45	1.01
1297	0.00	1053.96	1046.78	1.01
1298	0.00	1047.98	1043.11	1.00
1299	0.00	1037.14	1036.38	1.00
1300	4.93	1028.29	1033.22	1.00