

1m_800nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 800 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s) Power (W)

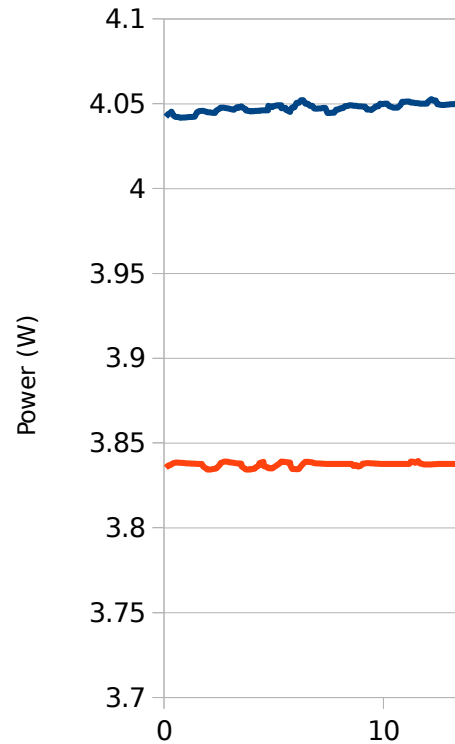
Chameleon Bypass

0.095	4.04243	3.83546
0.197	4.04395	3.83669
0.29	4.04457	3.83693
0.343	4.04531	3.83748
0.445	4.04301	3.83807
0.544	4.04228	3.8384
0.645	4.04228	3.83846
0.756	4.04182	3.83835
0.859	4.04185	3.83822
0.959	4.04194	3.8381
1.062	4.04205	3.83791
1.157	4.04222	3.83791
1.263	4.04229	3.8378
1.407	4.04234	3.83776
1.51	4.0451	3.83774
1.611	4.04573	3.83772
1.724	4.04589	3.83769
1.79	4.0458	3.83618
1.924	4.04535	3.83498
1.977	4.04513	3.83438
2.125	4.04494	3.83433
2.181	4.04467	3.83455
2.326	4.04458	3.83479
2.383	4.04602	3.83501
2.527	4.04717	3.83686
2.581	4.04774	3.83817
2.728	4.04774	3.83886
2.782	4.04751	3.83908
2.929	4.04726	3.83884
2.986	4.04703	3.83862
3.131	4.04668	3.83841
3.185	4.04656	3.83823
3.331	4.04797	3.83797
3.386	4.0476	3.83789
3.532	4.04846	3.83783
3.543	4.04799	3.83628
3.733	4.04681	3.83443
3.743	4.04607	3.83426
3.934	4.04571	3.83435
3.946	4.04562	3.83456
4.135	4.04571	3.8348

Average Power (W)

Chameleon 4.0454440599

Bypass 4.0454490833



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4.146	4.04581	3.83521
4.336	4.0459	3.83686
4.347	4.04605	3.83817
4.537	4.0461	3.83886
4.547	4.04614	3.83632
4.738	4.04616	3.83554
4.749	4.0489	3.83517
4.939	4.04801	3.83506
4.95	4.04847	3.8351
5.141	4.04897	3.83682
5.151	4.04922	3.83682
5.341	4.04911	3.83881
5.351	4.04744	3.83904
5.542	4.04758	3.83881
5.553	4.04652	3.83881
5.743	4.0452	3.83839
5.754	4.04659	3.83671
5.844	4.04786	3.83467
5.945	4.04786	3.83467
6.043	4.05051	3.83448
6.145	4.05051	3.83465
6.243	4.0521	3.83637
6.346	4.0521	3.83777
6.444	4.05005	3.83883
6.547	4.05005	3.83884
6.644	4.04883	3.8387
6.748	4.04883	3.83852
6.844	4.04732	3.83818
6.949	4.04714	3.83805
7.044	4.04729	3.83795
7.15	4.04729	3.83787
7.244	4.04759	3.83777
7.351	4.04759	3.83774
7.443	4.0446	3.83772
7.552	4.0446	3.83771
7.643	4.04466	3.83769
7.753	4.04466	3.83768
7.844	4.04661	3.83768
7.954	4.04661	3.83768
8.044	4.04743	3.83767
8.155	4.04743	3.83767
8.244	4.04867	3.83767
8.356	4.04867	3.83767
8.443	4.04919	3.83767
8.557	4.04919	3.83767
8.643	4.04881	3.83648
8.758	4.04881	3.83707
8.843	4.04852	3.83602
8.959	4.04852	3.83658

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9.044	4.04827	3.83776
9.16	4.04827	3.838
9.244	4.04669	3.83808
9.361	4.04669	3.83807
9.443	4.04636	3.83795
9.562	4.04739	3.83789
9.643	4.04845	3.83783
9.763	4.04845	3.83779
9.843	4.05009	3.83773
9.964	4.04973	3.83772
10.043	4.05004	3.8377
10.165	4.05004	3.83769
10.244	4.04865	3.83768
10.366	4.04813	3.83768
10.444	4.04776	3.83768
10.567	4.04776	3.83767
10.643	4.0478	3.83767
10.768	4.04936	3.83767
10.843	4.05126	3.83767
10.969	4.05126	3.83767
11.043	4.05137	3.83767
11.17	4.05137	3.83767
11.243	4.05074	3.83917
11.371	4.05074	3.83886
11.444	4.05041	3.83827
11.572	4.05041	3.83933
11.644	4.05015	3.83805
11.773	4.05015	3.83758
11.843	4.05007	3.83734
11.974	4.05007	3.83726
12.043	4.05154	3.83733
12.175	4.05272	3.83739
12.243	4.05195	3.83745
12.376	4.05195	3.83751
12.444	4.04983	3.83758
12.577	4.04943	3.83761
12.644	4.04934	3.83762
12.778	4.04934	3.83764
12.844	4.04953	3.83765
12.979	4.04964	3.83766
13.043	4.04979	3.83766
13.18	4.04979	3.83766
13.244	4.04989	3.83767
13.381	4.04992	3.83767
13.443	4.04876	3.83767
13.582	4.04876	3.83767
13.644	4.04713	3.83767
13.783	4.04679	3.83767
13.844	4.04675	3.83767

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13.984	4.04689	3.83767
14.044	4.0473	3.83767
14.185	4.04749	3.83767
14.243	4.04764	3.83767
14.386	4.04927	3.83767
14.447	4.05056	3.83767
14.587	4.05143	3.83767
14.645	4.05136	3.83767
14.788	4.05117	3.83767
14.846	4.05095	3.83767
14.989	4.04923	3.83767
15.051	4.04711	3.83767
15.19	4.04685	3.83767
15.248	4.04687	3.83767
15.391	4.04703	3.83767
15.449	4.04892	3.83767
15.592	4.04878	3.83767
15.652	4.04832	3.83767
15.793	4.04798	3.83767
15.851	4.04775	3.83767
15.994	4.04927	3.83767
16.052	4.04901	3.83767
16.195	4.04997	3.83767
16.256	4.05116	3.83767
16.396	4.04974	3.83767
16.454	4.04844	3.83767
16.597	4.04766	3.83767
16.655	4.04725	3.83767
16.798	4.04732	3.83767
16.859	4.04744	3.83767
16.999	4.04608	3.83617
17.057	4.04451	3.83497
17.2	4.04444	3.83572
17.258	4.0446	3.83702
17.401	4.04487	3.83784
17.463	4.0454	3.83824
17.602	4.04561	3.83683
17.66	4.04577	3.83704
17.803	4.0459	3.83753
17.861	4.04606	3.83637
18.004	4.04611	3.83535
18.065	4.04615	3.83479
18.205	4.04617	3.83585
18.263	4.04619	3.83541
18.406	4.04621	3.83514
18.464	4.04472	3.83506
18.607	4.04353	3.83639
18.667	4.04293	3.83591
18.808	4.04278	3.83557

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18.866	4.04311	3.8354
19.009	4.04335	3.83539
19.067	4.04358	3.83545
19.21	4.04527	3.83552
19.272	4.04583	3.83708
19.411	4.04638	3.83897
19.469	4.04693	3.83916
19.612	4.04721	3.83907
19.67	4.04717	3.83887
19.813	4.04703	3.83843
19.874	4.04687	3.83824
20.014	4.04672	3.83809
20.072	4.04651	3.83798
20.215	4.04643	3.83783
20.273	4.04638	3.83779
20.416	4.04634	3.83775
20.477	4.04629	3.83773
20.617	4.04627	3.83771
20.676	4.04626	3.83619
20.818	4.04625	3.83649
20.876	4.04775	3.83708
21.019	4.04744	3.83753
21.08	4.04684	3.83639
21.22	4.04639	3.83522
21.279	4.04602	3.83522
21.421	4.04599	3.83591
21.479	4.04601	3.83567
21.622	4.04605	3.83622
21.683	4.04612	3.83622
21.823	4.04615	3.83518
21.881	4.04617	3.83504
22.024	4.04619	3.83665
22.082	4.0462	3.83665
22.226	4.04741	3.83598
22.285	4.04682	3.83562
22.427	4.04788	3.8381
22.484	4.04732	3.8381
22.628	4.04812	3.83773
22.685	4.0492	3.83828
22.829	4.04928	3.83744
22.843	4.04918	3.83744
23.03	4.04902	3.83827
23.044	4.04868	3.83827
23.231	4.05004	3.83835
23.243	4.04962	3.83676
23.432	4.04894	3.83475
23.443	4.04813	3.83475
23.633	4.04798	3.83454
23.643	4.04793	3.8347

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23.834	4.04793	3.8351
23.845	4.04529	3.8351
24.035	4.04471	3.8354
24.047	4.04459	3.8355
24.236	4.04471	3.83564
24.247	4.0452	3.83564
24.437	4.04544	3.83571
24.449	4.04563	3.83574
24.638	4.04579	3.83576
24.649	4.04591	3.83576
24.839	4.04607	3.83578
24.849	4.04611	3.83578
25.04	4.04615	3.83579
25.051	4.04618	3.83579
25.241	4.04621	3.83579
25.252	4.04621	3.83579
25.442	4.04622	3.83579
25.453	4.04623	3.83579
25.543	4.04623	3.83579
25.644	4.04623	3.83579
25.743	4.04623	3.83579
25.844	4.04623	3.83579
25.944	4.04623	3.83579
26.046	4.04623	3.83579
26.144	4.04624	3.83579
26.247	4.04624	3.83579
26.343	4.04624	3.83429
26.448	4.04624	3.83309
26.544	4.04624	3.83399
26.65	4.04624	3.83504
26.743	4.04504	3.83611
26.85	4.04504	3.83611
26.943	4.04304	3.83626
27.051	4.04304	3.83621
27.144	4.04313	3.83606
27.252	4.04313	3.83606
27.343	4.04373	3.83594
27.453	4.04373	3.8359
27.543	4.04401	3.83585
27.654	4.04401	3.83585
27.743	4.04423	3.83582
27.855	4.04423	3.83581
27.943	4.04429	3.8358
28.056	4.04429	3.8358
28.144	4.04433	3.8358
28.257	4.04433	3.83579
28.344	4.04434	3.83579
28.458	4.04434	3.83579
28.543	4.04435	3.83579

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28.659	4.04285	3.83579
28.744	4.04106	3.83579
28.86	4.04106	3.83579
28.943	4.04101	3.83579
29.061	4.04123	3.83579
29.143	4.0417	3.83579
29.262	4.0417	3.83579
29.344	4.04204	3.83579
29.463	4.04216	3.83309
29.544	4.04231	3.83249
29.664	4.04231	3.83234
29.743	4.04239	3.83245
29.865	4.04242	3.83291
29.944	4.04245	3.83313
30.066	4.04245	3.83332
30.143	4.04246	3.83348
30.267	4.04246	3.83368
30.343	4.04247	3.83375
30.468	4.04247	3.83379
30.544	4.04248	3.83383
30.669	4.04248	3.83385
30.744	4.04248	3.83539
30.87	4.04248	3.83509
30.944	4.04248	3.836
31.071	4.04248	3.83675
31.143	4.04518	3.8371
31.272	4.04578	3.83701
31.344	4.04313	3.83681
31.473	4.04313	3.8366
31.543	4.04191	3.83491
31.674	4.04179	3.83554
31.744	4.04191	3.83589
31.875	4.04191	3.83458
31.944	4.04212	3.83344
32.076	4.04221	3.83414
32.143	4.04233	3.83388
32.277	4.04233	3.83495
32.343	4.0424	3.83439
32.478	4.04242	3.83333
32.544	4.04395	3.83318
32.679	4.04395	3.83319
32.743	4.04457	3.83328
32.88	4.04532	3.8335
32.944	4.04571	3.8336
33.081	4.04571	3.83368
33.144	4.04538	3.83374
33.282	4.04517	3.83382
33.344	4.04213	3.83385
33.483	4.04213	3.83387

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33.544	4.04116	3.83388
33.685	4.04119	3.8339
33.743	4.04136	3.8339
33.885	4.04307	3.8339
33.943	4.04404	3.83391
34.086	4.04404	3.83391
34.144	4.04538	3.83391
34.287	4.0455	3.83391
34.345	4.04543	3.83391
34.488	4.04527	3.83391
34.544	4.04493	3.83391
34.689	4.04479	3.83391
34.745	4.04468	3.83391
34.89	4.04459	3.83391
34.949	4.04448	3.83391
35.091	4.04444	3.83391
35.147	4.04442	3.83391
35.292	4.0444	3.83391
35.348	4.04438	3.83391
35.493	4.04437	3.83391
35.553	4.04437	3.83391
35.694	4.04436	3.83391
35.75	4.04166	3.83391
35.895	4.04106	3.83391
35.953	4.04091	3.83391
36.096	4.04101	3.83391
36.157	4.04147	3.83391
36.297	4.0417	3.83511
36.354	4.04189	3.83451
36.498	4.04204	3.83406
36.555	4.04074	3.83381
36.699	4.03962	3.83367
36.76	4.03906	3.83369
36.9	4.03894	3.83372
36.958	4.04081	3.83376
37.101	4.04226	3.83379
37.158	4.0431	3.83382
37.302	4.04345	3.83386
37.362	4.0435	3.83386
37.504	4.04325	3.83389
37.56	4.04309	3.83389
37.705	4.04144	3.8339
37.761	4.04163	3.8339
37.906	4.04063	3.83391
37.966	4.03942	3.83391
38.107	4.03784	3.83241
38.163	4.03675	3.83241
38.308	4.03783	3.83331
38.364	4.03995	3.83331

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38.509	4.04047	3.83413
38.568	4.04073	3.83413
38.71	4.04082	3.83414
38.766	4.04351	3.83414
38.911	4.04408	3.83403
38.967	4.04419	3.83403
39.112	4.04405	3.83398
39.171	4.04354	3.83398
39.313	4.0433	3.83394
39.369	4.0431	3.83394
39.514	4.04293	3.83392
39.57	4.04272	3.83392
39.715	4.04265	3.83392
39.773	4.0426	3.83392
39.916	4.04257	3.83391
39.972	4.03982	3.83391
40.117	4.03921	3.83391
40.173	4.03905	3.83391
40.318	4.03915	3.83391
40.378	4.0396	3.83391
40.519	4.04133	3.83391
40.575	4.04271	3.83391
40.72	4.04347	3.83391
40.776	4.04223	3.83391
40.921	4.04296	3.83391
40.98	4.04321	3.83391
41.122	4.04328	3.83391
41.178	4.04322	3.83391
41.323	4.04299	3.83391
41.379	4.04288	3.83391
41.525	4.04278	3.83391
41.583	4.0427	3.83391
41.725	4.04415	3.83391
41.781	4.04436	3.83391
41.926	4.04329	3.83391
41.982	4.04407	3.83391
42.127	4.04488	3.83391
42.187	4.04547	3.83391
42.328	4.04542	3.83241
42.384	4.04527	3.83121
42.529	4.0451	3.83316
42.585	4.04479	3.83316
42.731	4.04468	3.83424
42.789	4.04459	3.83437
42.931	4.04453	3.83433
42.944	4.04294	3.83433
43.132	4.04172	3.83418
43.144	4.0411	3.83412
43.333	4.04094	3.83402

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43.344	4.04125	3.83402
43.534	4.04149	3.83397
43.544	4.0402	3.83395
43.735	4.0392	3.83393
43.745	4.03875	3.83393
43.936	4.03621	3.83392
43.946	4.03589	3.83392
44.137	4.03753	3.83392
44.147	4.03909	3.83392
44.338	4.04219	3.83391
44.347	4.04364	3.83391
44.539	4.04431	3.83391
44.548	4.04444	3.83391
44.74	4.04669	3.83391
44.75	4.04699	3.83391
44.941	4.04686	3.83391
44.952	4.04652	3.83391
45.143	4.04574	3.83391
45.152	4.04541	3.83391
45.244	4.04514	3.83391
45.346	4.04514	3.83391
45.444	4.04477	3.83391
45.547	4.04477	3.83391
45.643	4.04451	3.83391
45.748	4.04451	3.83391
45.843	4.04443	3.83391
45.949	4.04443	3.83391
46.052	4.04439	3.83391
46.156	4.04438	3.83391
46.258	4.04438	3.83391
46.378	4.04437	3.83391
46.443	4.04436	3.83391
46.627	4.04436	3.83391
46.644	4.04436	3.83391
46.825	4.04436	3.83241
46.843	4.04436	3.83331
47.026	4.04436	3.83226
47.043	4.04436	3.83282
47.227	4.04436	3.83353
47.244	4.04705	3.83424
47.428	4.04766	3.83282
47.444	4.04781	3.83311
47.629	4.0477	3.83365
47.643	4.04574	3.83423
47.834	4.04582	3.83429
47.843	4.04622	3.83428
48.033	4.04652	3.83423
48.044	4.04666	3.83411
48.234	4.04664	3.83406

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48.244	4.04658	3.83402
48.438	4.04501	3.83399
48.488	4.04375	3.83397
48.639	4.0441	3.83394
48.653	4.04508	3.83393
48.84	4.04602	3.83393
48.853	4.04659	3.83392
49.042	4.04684	3.83392
49.055	4.04684	3.83392
49.242	4.04674	3.83391
49.255	4.04664	3.83391
49.343	4.04655	3.83391
49.444	4.04655	3.83391
49.543	4.04636	3.83391
49.644	4.04636	3.83391
49.744	4.0463	3.83391
49.845	4.0463	3.83241
49.944	4.04626	3.83121
50.046	4.04626	3.83061
50.143	4.04625	3.83046
50.247	4.04625	3.83078
50.343	4.04624	3.83103
50.448	4.04624	3.83125
50.543	4.04624	3.83295
50.65	4.04624	3.83351
50.747	4.04774	3.83406
50.85	4.04743	3.83461
50.946	4.04639	3.83489
51.051	4.04639	3.83365
51.146	4.04602	3.8341
51.252	4.04599	3.83439
51.349	4.04454	3.83451
51.453	4.04454	3.83443
51.548	4.04552	3.83434
51.654	4.046	3.83425
51.75	4.04641	3.83417
51.855	4.04641	3.83405
51.954	4.04644	3.83401
52.056	4.04641	3.83248
52.152	4.04638	3.83277
52.257	4.04634	3.83184
52.353	4.0436	3.83343
52.458	4.04298	3.83399
52.557	4.04282	3.83427
52.659	4.04291	3.83286
52.755	4.04487	3.83369
52.86	4.04487	3.83407
52.957	4.04707	3.83426
53.061	4.04738	3.83431

1m_800nm

53.159	4.04726	3.83429
53.262	4.04726	3.83267
53.358	4.0469	3.83292
53.463	4.04674	3.83346
53.558	4.04651	3.83237
53.664	4.04651	3.83239
53.763	4.04488	3.83194
53.865	4.04514	3.83142
53.961	4.04614	3.83115
54.066	4.04614	3.83386
54.161	4.04378	3.8346
54.267	4.0432	3.83489
54.366	4.04309	3.83342
54.468	4.04309	3.83406
54.564	4.04347	3.83435
54.669	4.04367	3.83447
54.766	4.04397	3.83296
54.87	4.04397	3.83372
54.969	4.04685	3.83408
55.071	4.04751	3.83426
55.167	4.04493	3.83431
55.272	4.04493	3.83431
55.368	4.04526	3.83087
55.473	4.04484	3.83087
55.572	4.04543	3.83072
55.675	4.04543	3.83072
55.769	4.04707	3.83131
55.876	4.04729	3.83131
55.971	4.04727	3.83163
56.077	4.04714	3.83163
56.174	4.04682	3.83188
56.278	4.04518	3.83188
56.373	4.04537	3.83195
56.479	4.04588	3.83195
56.575	4.04647	3.83199
56.68	4.04647	3.83201
56.777	4.04654	3.83202
56.882	4.04651	3.83202
56.983	4.04646	3.83203
57.086	4.04641	3.83203
57.188	4.04634	3.83203
57.307	4.04631	3.83203
57.369	4.04629	3.83203
57.509	4.04476	3.83203
57.564	4.04356	3.83473
57.653	4.04445	3.83473
57.755	4.04549	3.83548
57.88	4.04387	3.83548
57.981	4.04387	3.83492

1m_800nm

58.082	4.04326	3.83492
58.184	4.04331	3.8345
58.324	4.04513	3.8345
58.427	4.04648	3.83264
58.528	4.04722	3.83264
58.55	4.04748	3.83343
58.651	4.04746	3.83343
58.743	4.04712	3.83417
58.897	4.04693	3.83417
58.944	4.04663	3.83416
59.097	4.04663	3.83416
59.144	4.04644	3.83407
59.297	4.04639	3.83404
59.344	4.04634	3.83398
59.499	4.04631	3.83398
59.544	4.04477	3.83395
59.701	4.04357	3.83394
59.743	4.04296	3.83392
59.901	4.0428	3.83392
59.944	4.04312	3.83241
60.103	4.04185	3.83272

1m_800nm

Average Power Deviation (W)

0.0021509782

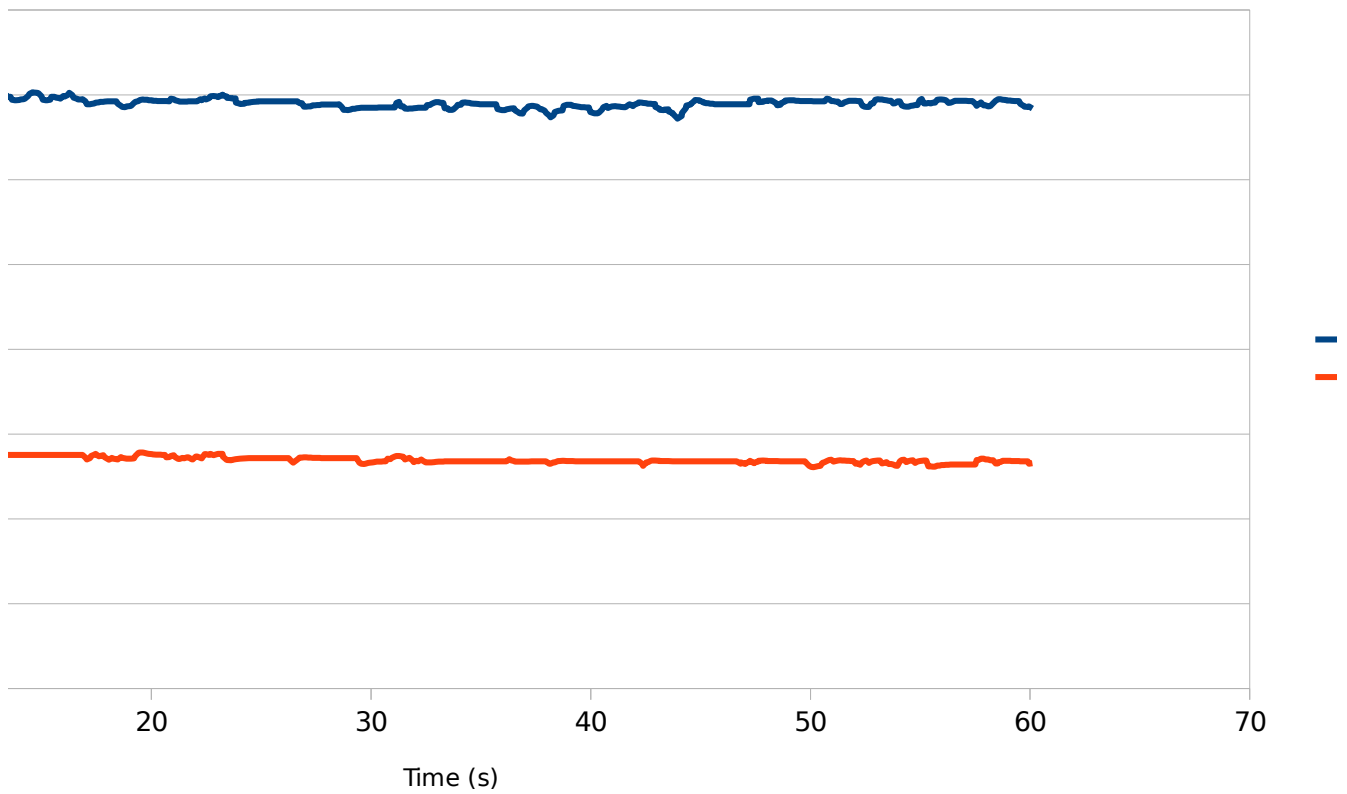
0.0017095677

Percentage Deviation

0.05317039

0.04225903

800nm



1m_800nm

— Chameleon
— Bypass

1m_950nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 950 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s) Power (W)

Chameleon Bypass

0.105	1.52002	1.52206
0.188	1.52062	1.52148
0.306	1.52138	1.52136
0.389	1.5212	1.5209
0.509	1.5209	1.52119
0.588	1.52068	1.52149
0.708	1.51991	1.52136
0.788	1.51976	1.52141
0.909	1.52007	1.52127
0.989	1.5207	1.5212
1.113	1.52116	1.52118
1.188	1.52147	1.52153
1.311	1.52145	1.5215
1.389	1.52205	1.52134
1.512	1.52184	1.52131
1.588	1.52244	1.52131
1.716	1.52222	1.52132
1.789	1.52194	1.52162
1.914	1.52238	1.52118
1.988	1.52243	1.52116
2.115	1.52283	1.52091
2.188	1.52221	1.52125
2.318	1.52196	1.52138
2.389	1.52155	1.52145
2.517	1.52079	1.52149
2.589	1.52016	1.52149
2.718	1.52012	1.52148
2.788	1.52027	1.5218
2.922	1.5206	1.52172
2.989	1.52072	1.52148
3.12	1.5208	1.52109
3.189	1.52087	1.52113
3.321	1.5212	1.52125
3.388	1.52143	1.52108
3.524	1.5216	1.52118
3.588	1.52136	1.52132
3.723	1.52144	1.52142
3.789	1.52194	1.5215
3.924	1.52254	1.5215
3.988	1.52292	1.52149
4.128	1.52306	1.52148

Average Power (W)

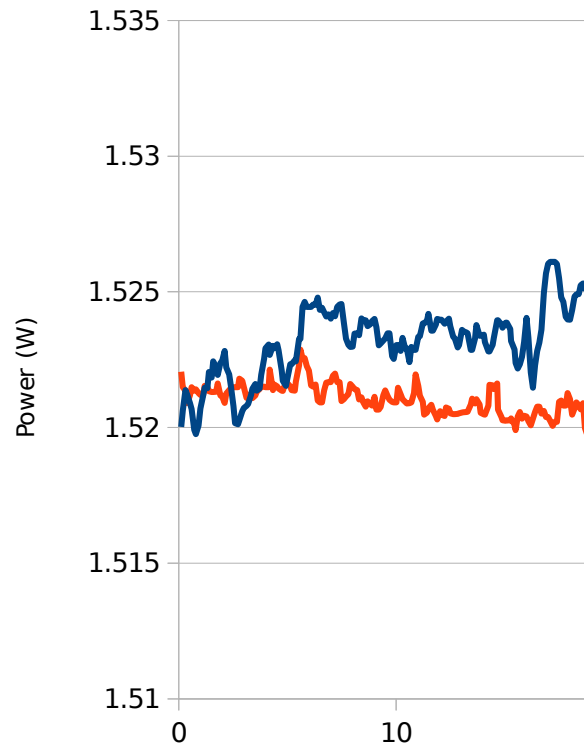
Average Pow

Chameleon

1.5262674043 0.00239569

Bypass

1.5262778167 0.0005453



1m_950nm

4.189	1.52268	1.52213
4.326	1.52301	1.52138
4.389	1.52292	1.52158
4.527	1.52307	1.52152
4.589	1.52285	1.52144
4.731	1.52209	1.52136
4.788	1.52172	1.52135
4.929	1.52153	1.52169
4.989	1.5218	1.52163
5.131	1.52233	1.52151
5.188	1.52233	1.52138
5.334	1.52248	1.52136
5.389	1.52244	1.52169
5.533	1.52327	1.52229
5.589	1.52327	1.52287
5.689	1.52444	1.52256
5.788	1.52463	1.52256
5.888	1.52444	1.52227
5.989	1.52444	1.5221
6.089	1.52445	1.52156
6.188	1.52453	1.5215
6.288	1.52452	1.52158
6.388	1.52479	1.521
6.489	1.52434	1.52092
6.589	1.52442	1.52092
6.688	1.52425	1.52137
6.79	1.52409	1.52165
6.888	1.52417	1.52167
6.991	1.52401	1.52167
7.088	1.52422	1.52191
7.193	1.5241	1.52199
7.289	1.52444	1.52167
7.394	1.52453	1.52167
7.489	1.52455	1.52097
7.595	1.52387	1.52104
7.688	1.52328	1.52114
7.796	1.52305	1.52123
7.889	1.52297	1.5216
7.997	1.52298	1.5215
8.088	1.52346	1.52142
8.199	1.52347	1.52138
8.288	1.5234	1.52103
8.4	1.52402	1.52111
8.489	1.52395	1.52092
8.602	1.52395	1.52077
8.689	1.52374	1.52096
8.802	1.52381	1.52086
8.889	1.52393	1.52081
9.003	1.524	1.52113

1m_950nm

9.088	1.5237	1.52066
9.205	1.52303	1.52066
9.288	1.5231	1.52076
9.406	1.52321	1.52119
9.489	1.52329	1.52137
9.608	1.52347	1.52116
9.689	1.52347	1.52102
9.809	1.52263	1.52095
9.889	1.52253	1.52092
10.01	1.52304	1.52092
10.088	1.52304	1.52147
10.212	1.52283	1.52122
10.289	1.52331	1.52104
10.412	1.52291	1.52094
10.489	1.52291	1.52089
10.614	1.52241	1.5209
10.689	1.52297	1.52092
10.815	1.52286	1.52127
10.888	1.52286	1.52196
11.016	1.52335	1.52154
11.089	1.52336	1.52117
11.217	1.52384	1.52094
11.288	1.52384	1.52047
11.419	1.52394	1.52055
11.488	1.52419	1.52071
11.62	1.52357	1.52084
11.688	1.52357	1.52065
11.821	1.5238	1.52042
11.888	1.524	1.5203
12.023	1.52397	1.5206
12.089	1.52397	1.52047
12.224	1.52383	1.52042
12.288	1.5239	1.52074
12.425	1.52401	1.52069
12.488	1.52374	1.52052
12.627	1.52335	1.52049
12.689	1.52329	1.52049
12.828	1.52295	1.5205
12.888	1.52304	1.52052
13.029	1.5236	1.52055
13.089	1.52355	1.52056
13.231	1.5235	1.52057
13.288	1.52347	1.52058
13.433	1.52286	1.52085
13.488	1.52286	1.52106
13.633	1.52329	1.52089
13.688	1.52378	1.52104
13.835	1.52338	1.52085
13.888	1.52338	1.52054

1m_950nm

14.036	1.52342	1.52048
14.089	1.52315	1.52047
14.237	1.5228	1.52081
14.288	1.5228	1.52157
14.438	1.52305	1.52156
14.489	1.52329	1.52142
14.64	1.52395	1.52162
14.688	1.52395	1.52066
14.841	1.5238	1.52039
14.889	1.52368	1.52027
15.042	1.52387	1.52025
15.089	1.52387	1.52027
15.243	1.52363	1.52026
15.288	1.52319	1.52034
15.444	1.52287	1.5201
15.489	1.52238	1.5199
15.589	1.52217	1.5204
15.689	1.52233	1.52057
15.789	1.52261	1.52033
15.889	1.52316	1.52043
15.988	1.52404	1.5204
16.088	1.52332	1.52024
16.19	1.52203	1.52008
16.289	1.52147	1.52033
16.388	1.52229	1.52057
16.488	1.52282	1.52077
16.589	1.52313	1.52077
16.688	1.52361	1.52051
16.793	1.52496	1.52061
16.888	1.52568	1.52038
16.991	1.52604	1.52038
17.089	1.5261	1.52024
17.192	1.52611	1.52006
17.288	1.52611	1.52021
17.396	1.52603	1.52021
17.488	1.52551	1.52095
17.594	1.5248	1.521
17.689	1.52463	1.52081
17.795	1.52408	1.52081
17.889	1.52398	1.52127
17.998	1.52397	1.52104
18.088	1.52433	1.52047
18.197	1.52483	1.5207
18.289	1.52491	1.52093
18.398	1.52492	1.52082
18.488	1.52524	1.52067
18.602	1.52531	1.5209
18.688	1.52511	1.51998
18.8	1.52523	1.51969

1m_950nm

18.889	1.52535	1.51997
19.001	1.52449	1.51996
19.088	1.52407	1.5205
19.204	1.52452	1.52065
19.289	1.52433	1.52072
19.403	1.52398	1.52041
19.489	1.52427	1.52117
19.604	1.52423	1.52105
19.689	1.52415	1.52119
19.807	1.5241	1.5213
19.889	1.52412	1.52107
20.007	1.52415	1.52116
20.088	1.52385	1.52088
20.207	1.52378	1.52129
20.289	1.52396	1.52186
20.411	1.52416	1.52186
20.489	1.5243	1.52156
20.609	1.5247	1.52157
20.689	1.52512	1.52129
20.81	1.52514	1.52138
20.889	1.52511	1.52099
21.013	1.52537	1.52121
21.088	1.52557	1.5211
21.212	1.52504	1.52097
21.288	1.52517	1.52087
21.413	1.52499	1.52087
21.489	1.52481	1.52089
21.617	1.52497	1.52124
21.689	1.52554	1.52167
21.815	1.52561	1.52172
21.889	1.52586	1.52171
22.016	1.52632	1.52168
22.088	1.52583	1.52191
22.22	1.5254	1.52181
22.288	1.5248	1.52181
22.418	1.5239	1.52153
22.489	1.52394	1.52145
22.62	1.52378	1.52081
22.691	1.52403	1.52081
22.823	1.52429	1.52123
22.892	1.52494	1.52139
23.021	1.5256	1.52092
23.093	1.5257	1.52092
23.221	1.52562	1.52108
23.294	1.52573	1.52135
23.426	1.52591	1.52133
23.496	1.52566	1.52133
23.625	1.52539	1.52104
23.696	1.52576	1.52067

1m_950nm

23.826	1.52591	1.52109
23.898	1.52591	1.52109
24.029	1.52585	1.52164
24.1	1.52578	1.52105
24.226	1.526	1.52086
24.301	1.526	1.52083
24.428	1.5266	1.52088
24.501	1.52648	1.52092
24.632	1.5259	1.52127
24.703	1.5259	1.52155
24.83	1.52555	1.52115
24.904	1.52496	1.52115
25.031	1.52496	1.52152
25.105	1.52459	1.52163
25.234	1.5246	1.52132
25.307	1.52507	1.52132
25.388	1.52507	1.52145
25.508	1.52595	1.52152
25.588	1.52631	1.52214
25.708	1.52648	1.52214
25.789	1.52648	1.52227
25.91	1.52727	1.52223
25.989	1.52726	1.5221
26.112	1.52691	1.5221
26.189	1.52691	1.52199
26.313	1.52631	1.52162
26.388	1.5263	1.52117
26.514	1.52643	1.52117
26.589	1.52643	1.52173
26.715	1.52646	1.5219
26.788	1.52678	1.52167
26.916	1.52682	1.52167
26.989	1.52682	1.52125
27.118	1.52608	1.52119
27.189	1.52606	1.52119
27.319	1.52598	1.52121
27.388	1.52598	1.52103
27.52	1.52599	1.52086
27.589	1.52547	1.52105
27.722	1.52544	1.52126
27.788	1.52555	1.52088
27.923	1.52517	1.52111
27.988	1.5251	1.52134
28.124	1.52479	1.52149
28.189	1.52491	1.52098
28.326	1.52527	1.5215
28.389	1.52505	1.52164
28.526	1.52519	1.52164
28.589	1.52536	1.52156

1m_950nm

28.729	1.52523	1.52152
28.789	1.52523	1.52149
28.929	1.52487	1.52147
28.989	1.52484	1.52119
29.131	1.52483	1.52119
29.189	1.52483	1.52114
29.331	1.52515	1.521
29.388	1.52542	1.52086
29.533	1.52518	1.52078
29.589	1.52518	1.52079
29.734	1.52562	1.52115
29.789	1.52575	1.52112
29.936	1.52611	1.52136
29.989	1.52611	1.52165
30.137	1.52709	1.52201
30.188	1.52728	1.52192
30.339	1.52709	1.52176
30.389	1.52709	1.52153
30.54	1.52681	1.52147
30.588	1.52669	1.52111
30.74	1.52562	1.52117
30.789	1.52562	1.5208
30.941	1.52498	1.52105
30.988	1.52494	1.52064
31.144	1.52475	1.52061
31.189	1.52475	1.52078
31.344	1.52539	1.52052
31.389	1.52543	1.52031
31.545	1.52544	1.52022
31.588	1.52611	1.52058
31.746	1.52641	1.5209
31.789	1.52674	1.52109
31.948	1.52724	1.52118
31.989	1.52753	1.52145
32.149	1.52782	1.52162
32.189	1.52791	1.5211
32.35	1.52828	1.52095
32.389	1.52849	1.52127
32.552	1.52852	1.52089
32.588	1.52852	1.52155
32.753	1.52828	1.5218
32.788	1.52844	1.52184
32.954	1.52806	1.5218
32.988	1.52806	1.52199
33.156	1.52787	1.52154
33.189	1.52783	1.5211
33.357	1.52766	1.52116
33.389	1.52766	1.52175
33.558	1.52634	1.52174

1m_950nm

33.589	1.52601	1.52163
33.76	1.52632	1.52154
33.789	1.52632	1.52118
33.96	1.52602	1.52162
33.989	1.52615	1.52164
34.162	1.5271	1.5219
34.188	1.5271	1.52217
34.363	1.52778	1.52185
34.388	1.52806	1.52188
34.564	1.52784	1.52196
34.589	1.5279	1.52201
34.765	1.52764	1.522
34.788	1.52702	1.52198
34.967	1.52658	1.52162
34.989	1.5257	1.52199
35.168	1.52396	1.52199
35.189	1.52389	1.52193
35.288	1.52411	1.52189
35.388	1.5244	1.52186
35.488	1.52522	1.52243
35.589	1.52566	1.52256
35.688	1.52659	1.52226
35.788	1.52724	1.52198
35.889	1.52795	1.52213
35.989	1.52815	1.52215
36.09	1.52849	1.52215
36.188	1.52898	1.52208
36.289	1.52899	1.52185
36.388	1.52951	1.52133
36.488	1.52951	1.52133
36.588	1.52918	1.52095
36.692	1.52851	1.52094
36.789	1.52851	1.52133
36.89	1.52911	1.52133
36.989	1.5291	1.52039
37.091	1.52962	1.52071
37.188	1.52967	1.52106
37.294	1.52874	1.52163
37.389	1.52907	1.52189
37.493	1.52948	1.52201
37.588	1.52972	1.52178
37.694	1.53004	1.52156
37.788	1.52984	1.52135
37.897	1.52999	1.52132
37.989	1.53011	1.52165
38.096	1.53012	1.52226
38.188	1.52973	1.52259
38.297	1.52939	1.52241
38.389	1.52919	1.52241

1m_950nm

38.501	1.52815	1.52169
38.59	1.5281	1.52165
38.699	1.52756	1.52147
38.79	1.52686	1.52147
38.9	1.5261	1.52081
38.991	1.52599	1.52085
39.104	1.52567	1.52134
39.193	1.52585	1.52141
39.302	1.52649	1.52136
39.394	1.52678	1.52167
39.503	1.52691	1.52161
39.595	1.52764	1.52149
39.706	1.52822	1.52195
39.797	1.52894	1.52207
39.905	1.52885	1.52243
39.998	1.52897	1.52268
40.105	1.52904	1.52244
40.198	1.52969	1.52244
40.31	1.52973	1.52283
40.401	1.5299	1.52245
40.508	1.52967	1.52185
40.602	1.52973	1.52185
40.709	1.52892	1.52197
40.803	1.52919	1.52214
40.913	1.52911	1.52154
41.005	1.52898	1.52154
41.111	1.52798	1.52189
41.205	1.52762	1.52182
41.312	1.52808	1.52174
41.405	1.52822	1.52174
41.517	1.52888	1.52208
41.608	1.52936	1.52203
41.714	1.52968	1.52209
41.809	1.52981	1.52209
41.915	1.53008	1.52213
42.01	1.53058	1.52201
42.119	1.53023	1.52243
42.212	1.53013	1.52243
42.317	1.53013	1.52198
42.413	1.52983	1.52245
42.518	1.52983	1.52167
42.614	1.52946	1.52167
42.722	1.52946	1.52162
42.816	1.52899	1.52198
42.92	1.52899	1.52195
43.017	1.52929	1.52219
43.121	1.52929	1.52248
43.218	1.52881	1.5225
43.324	1.52853	1.52249

1m_950nm

43.42	1.52838	1.52212
43.524	1.52838	1.52191
43.621	1.52849	1.52205
43.724	1.52889	1.52188
43.82	1.52856	1.52173
43.927	1.52855	1.52162
44.026	1.52844	1.52162
44.127	1.52844	1.52199
44.225	1.52817	1.52196
44.37	1.52844	1.5212
44.469	1.52829	1.52103
44.531	1.52829	1.52099
44.667	1.52856	1.52102
44.729	1.52851	1.52148
44.87	1.52834	1.52147
44.93	1.52834	1.52107
45.07	1.52798	1.52075
45.132	1.52806	1.52082
45.272	1.52833	1.52106
45.332	1.52833	1.52128
45.477	1.52844	1.52176
45.58	1.52878	1.52225
45.683	1.52885	1.52195
45.778	1.52885	1.52166
45.831	1.52879	1.52179
45.928	1.52863	1.52195
46.028	1.52863	1.52207
46.126	1.52863	1.52207
46.229	1.52893	1.5221
46.327	1.52902	1.52212
46.432	1.52936	1.52199
46.529	1.52936	1.52199
46.631	1.5297	1.52216
46.731	1.53003	1.52233
46.832	1.53025	1.52255
46.933	1.52998	1.52255
46.988	1.52973	1.52226
47.135	1.5298	1.52234
47.188	1.52989	1.52182
47.337	1.52927	1.52182
47.389	1.52852	1.52189
47.536	1.52848	1.52241
47.589	1.52812	1.52253
47.738	1.52887	1.52251
47.789	1.52913	1.52299
47.938	1.52913	1.52308
47.989	1.52855	1.52308
48.139	1.52858	1.5227
48.188	1.52869	1.52244

1m_950nm

48.341	1.52869	1.52255
48.388	1.52903	1.52236
48.541	1.52892	1.52219
48.588	1.52939	1.52232
48.743	1.52939	1.52232
48.788	1.52894	1.52238
48.945	1.52879	1.5219
48.988	1.52864	1.52196
49.148	1.52864	1.52196
49.188	1.52863	1.52207
49.347	1.52869	1.52205
49.388	1.52786	1.5225
49.549	1.52786	1.5225
49.588	1.52701	1.52244
49.749	1.52708	1.52209
49.788	1.52782	1.52181
49.951	1.52782	1.52181
49.988	1.52849	1.5221
50.156	1.5286	1.52255
50.189	1.52829	1.52222
50.354	1.52829	1.52186
50.389	1.5285	1.52246
50.554	1.52863	1.52218
50.589	1.52797	1.52218
50.755	1.52774	1.52191
50.788	1.52799	1.52217
50.957	1.52824	1.52227
50.988	1.52846	1.52233
51.158	1.52858	1.52234
51.193	1.52862	1.52267
51.359	1.52827	1.52271
51.388	1.52831	1.52279
51.56	1.52874	1.52256
51.589	1.52865	1.52253
51.712	1.52865	1.52253
51.816	1.52908	1.52273
51.922	1.52951	1.52262
52.024	1.52936	1.52242
52.126	1.52936	1.52223
52.23	1.52913	1.52212
52.289	1.52901	1.52234
52.43	1.52948	1.52223
52.489	1.52948	1.52213
52.631	1.52987	1.52213
52.688	1.52971	1.5224
52.832	1.52945	1.52229
52.889	1.52945	1.52217
53.033	1.52959	1.52217
53.089	1.52943	1.5221

1m_950nm

53.234	1.52925	1.52205
53.289	1.52925	1.52208
53.435	1.52921	1.52208
53.49	1.52855	1.52245
53.636	1.52836	1.52211
53.691	1.52804	1.52209
53.837	1.52806	1.52215
53.89	1.52831	1.52187
54.038	1.52856	1.52153
54.092	1.52873	1.52151
54.239	1.52946	1.52153
54.294	1.52961	1.52191
54.44	1.52932	1.52214
54.492	1.52903	1.52201
54.641	1.52907	1.52219
54.694	1.52897	1.52235
54.842	1.52917	1.52244
54.897	1.53001	1.52245
55.043	1.53	1.52209
55.096	1.52999	1.5218
55.244	1.52969	1.52197
55.297	1.52974	1.5223
55.445	1.52996	1.5227
55.501	1.52996	1.52232
55.646	1.52971	1.52225
55.699	1.52976	1.52228
55.847	1.53039	1.52229
55.899	1.53039	1.52263
56.049	1.53027	1.52255
56.105	1.53035	1.52165
56.249	1.53038	1.52173
56.303	1.53037	1.52196
56.45	1.52963	1.52214
56.504	1.52906	1.52231
56.651	1.52876	1.52233
56.708	1.52866	1.52233
56.852	1.52876	1.52232
56.907	1.52885	1.5217
57.053	1.52927	1.52156
57.108	1.52961	1.52152
57.254	1.52903	1.52153
57.312	1.52871	1.52215
57.455	1.52849	1.52161
57.51	1.52873	1.52185
57.657	1.52951	1.52183
57.711	1.52987	1.52177
57.857	1.52972	1.52232
57.916	1.52983	1.52312
58.059	1.52938	1.52303

1m_950nm

58.115	1.52891	1.52276
58.259	1.52924	1.52212
58.316	1.5296	1.52183
58.46	1.53027	1.52162
58.519	1.53022	1.52153
58.661	1.53072	1.52185
58.719	1.53111	1.52199
58.862	1.53094	1.52214
58.921	1.53057	1.52229
59.063	1.53057	1.52238
59.125	1.53034	1.52274
59.264	1.53051	1.52331
59.323	1.53036	1.52335
59.465	1.53007	1.52323
59.496	1.53001	1.52323
59.666	1.52999	1.523
59.709	1.52999	1.52284
59.867	1.52942	1.52241
59.888	1.52931	1.52252
60.068	1.52895	1.52228
	1.52905	

1m_950nm

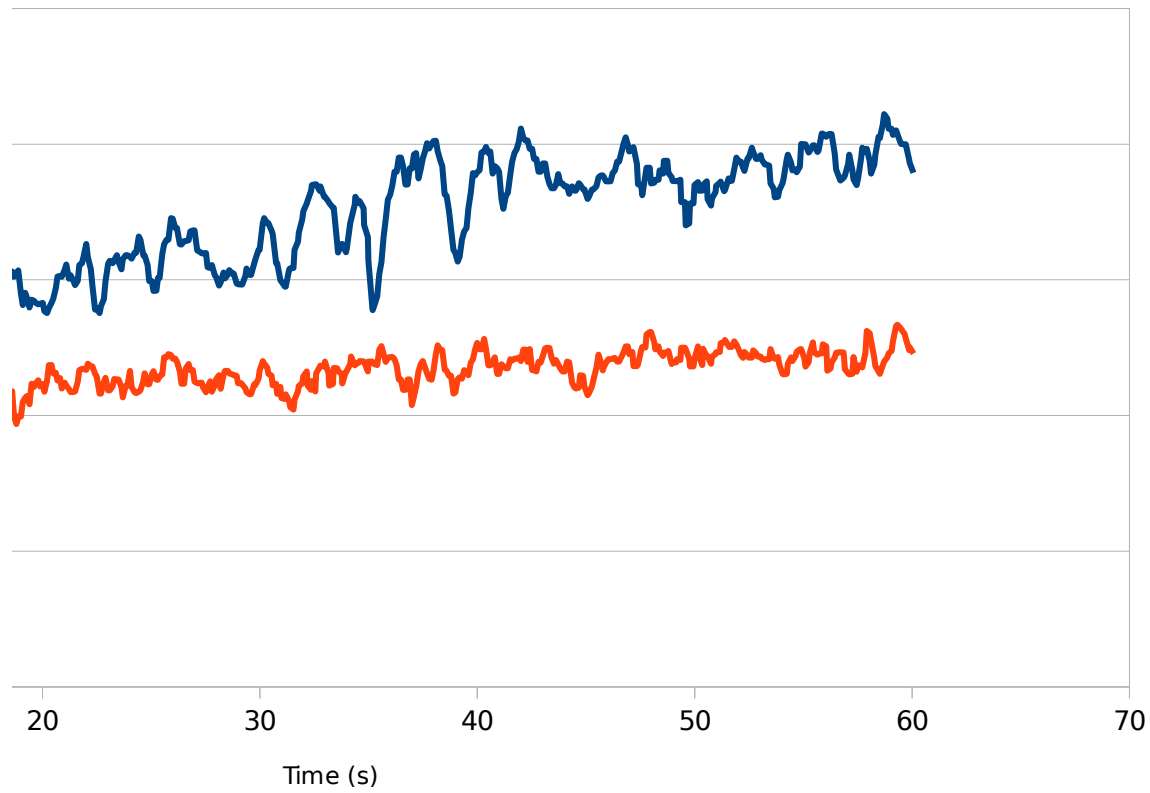
Power Deviation (W)

Percentage Deviation

0.15696417

0.03572744

950nm



1m_950nm

— Chameleon
— Bypass

1m_975nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 975 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s) Power (W)

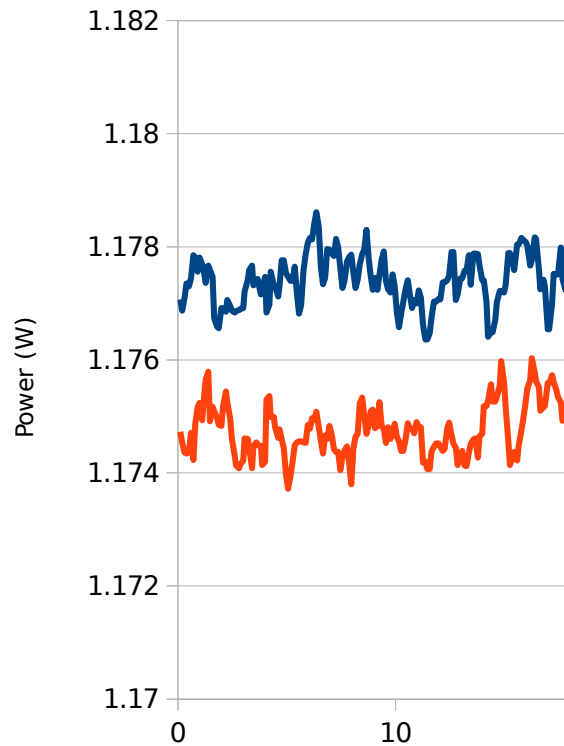
Chameleon Bypass

0.102	1.17707	1.17473
0.193	1.17687	1.17454
0.304	1.1771	1.17436
0.39	1.17735	1.17434
0.506	1.1773	1.17436
0.592	1.17744	1.17471
0.707	1.17785	1.17423
0.796	1.17781	1.17487
0.908	1.17756	1.17516
0.994	1.17781	1.17524
1.109	1.17769	1.17493
1.195	1.17754	1.17534
1.268	1.17736	1.17565
1.398	1.17767	1.17579
1.469	1.17759	1.17491
1.596	1.17747	1.17517
1.669	1.17674	1.17509
1.798	1.17659	1.17497
1.869	1.17656	1.17485
2.002	1.17692	1.17483
2.069	1.17691	1.17517
2.2	1.17685	1.17544
2.268	1.17706	1.17525
2.4	1.17695	1.17496
2.469	1.17687	1.17462
2.605	1.17684	1.1743
2.669	1.17686	1.17413
2.803	1.17688	1.17408
2.868	1.1769	1.17415
3.004	1.17692	1.17422
3.069	1.17721	1.17461
3.208	1.17742	1.1746
3.269	1.17759	1.17444
3.406	1.17767	1.17408
3.469	1.17732	1.17447
3.607	1.17735	1.17454
3.669	1.17743	1.17449
3.81	1.17716	1.17448
3.869	1.17725	1.17414
4.009	1.17747	1.1742
4.068	1.17684	1.1753

Average Power (W) Average Pow

Chameleon 1.1786789517 0.00098824

Bypass 1.1786816333 0.00039836



1m_975nm

4.21	1.17698	1.17536
4.269	1.17756	1.17499
4.414	1.17731	1.17499
4.468	1.17731	1.17482
4.611	1.17712	1.17462
4.668	1.17731	1.17477
4.768	1.17776	1.1746
4.868	1.17776	1.17444
4.968	1.17754	1.17398
5.069	1.17747	1.17372
5.168	1.1774	1.17394
5.269	1.1774	1.1742
5.368	1.17765	1.17449
5.468	1.17718	1.17454
5.569	1.17682	1.17456
5.669	1.17697	1.17456
5.769	1.17759	1.17454
5.868	1.17787	1.17453
5.969	1.17807	1.17485
6.069	1.17816	1.17478
6.168	1.17813	1.17497
6.269	1.1784	1.17494
6.369	1.17861	1.17508
6.468	1.17836	1.17482
6.568	1.17764	1.17457
6.668	1.17734	1.17434
6.769	1.17745	1.17466
6.869	1.17796	1.1746
6.968	1.17795	1.17483
7.068	1.17789	1.17469
7.168	1.17784	1.17442
7.269	1.17814	1.17437
7.369	1.17799	1.17437
7.469	1.17762	1.17405
7.568	1.17727	1.17428
7.668	1.17741	1.1744
7.769	1.17774	1.17447
7.868	1.17782	1.17418
7.969	1.17786	1.1738
8.068	1.17754	1.17443
8.168	1.17727	1.17464
8.268	1.17742	1.17469
8.369	1.17769	1.17523
8.468	1.17787	1.17533
8.569	1.17795	1.175
8.669	1.1783	1.17469
8.768	1.17781	1.17483
8.869	1.17748	1.17509
8.969	1.17724	1.17512

1m_975nm

9.068	1.17745	1.17479
9.168	1.17724	1.17483
9.268	1.17751	1.17525
9.368	1.17777	1.17482
9.468	1.17792	1.17479
9.569	1.1774	1.17453
9.669	1.17725	1.17481
9.768	1.17719	1.1746
9.868	1.17751	1.17472
9.969	1.1773	1.17487
10.069	1.17684	1.17464
10.169	1.17658	1.17456
10.268	1.17682	1.17439
10.368	1.17702	1.17439
10.469	1.17726	1.1746
10.569	1.17741	1.17488
10.668	1.17715	1.17478
10.77	1.17692	1.17478
10.868	1.17706	1.1747
10.972	1.177	1.1749
11.068	1.17723	1.17481
11.172	1.1771	1.17481
11.269	1.17662	1.17418
11.374	1.17636	1.1742
11.468	1.17636	1.17407
11.575	1.17647	1.17407
11.668	1.17675	1.17438
11.777	1.17703	1.17446
11.868	1.17703	1.17452
11.978	1.17708	1.17452
12.069	1.17707	1.17446
12.179	1.17737	1.17439
12.268	1.17737	1.17442
12.38	1.17741	1.17479
12.468	1.1775	1.17489
12.582	1.17791	1.17467
12.668	1.17791	1.17452
12.783	1.17706	1.17444
12.869	1.17716	1.17414
12.984	1.17744	1.17428
13.068	1.17744	1.17439
13.185	1.17758	1.17413
13.269	1.17758	1.17412
13.386	1.17785	1.17436
13.469	1.17733	1.17451
13.589	1.17788	1.17459
13.669	1.17788	1.17461
13.79	1.17787	1.17427
13.868	1.17767	1.17465

1m_975nm

13.992	1.17741	1.17469
14.068	1.17741	1.17518
14.192	1.17703	1.17518
14.268	1.17641	1.17528
14.394	1.17649	1.17557
14.469	1.17649	1.17526
14.596	1.1767	1.17526
14.668	1.17702	1.17534
14.797	1.17722	1.17555
14.869	1.17722	1.17598
14.998	1.17719	1.1756
15.068	1.17733	1.17516
15.199	1.17789	1.17456
15.268	1.17789	1.17414
15.4	1.17771	1.17429
15.468	1.17759	1.17437
15.602	1.17804	1.17422
15.669	1.17804	1.17449
15.803	1.17816	1.17475
15.871	1.17813	1.17492
16.003	1.17808	1.17529
16.069	1.17802	1.17549
16.205	1.17767	1.17564
16.27	1.17776	1.17603
16.406	1.17817	1.17578
16.474	1.17814	1.17562
16.607	1.17759	1.17551
16.672	1.17725	1.1751
16.809	1.17742	1.17516
16.873	1.1773	1.17518
17.01	1.17654	1.17559
17.076	1.17654	1.17558
17.211	1.17699	1.17573
17.275	1.17752	1.17561
17.412	1.17751	1.17545
17.476	1.17751	1.17534
17.614	1.17799	1.17525
17.68	1.17743	1.17492
17.815	1.17724	1.175
17.878	1.17724	1.17514
18.016	1.17677	1.17492
18.079	1.17672	1.17505
18.218	1.17634	1.175
18.283	1.17634	1.17512
18.419	1.17661	1.17527
18.481	1.17676	1.17504
18.62	1.17719	1.17497
18.682	1.17751	1.17513
18.821	1.17779	1.1753

1m_975nm

18.886	1.17784	1.17507
19.022	1.17843	1.17533
19.084	1.17853	1.17541
19.223	1.17773	1.17512
19.285	1.17813	1.17486
19.425	1.17819	1.17466
19.488	1.17814	1.17466
19.626	1.17806	1.17469
19.687	1.17794	1.17473
19.827	1.1779	1.1754
19.888	1.17754	1.17556
20.029	1.17725	1.17528
20.091	1.17766	1.17567
20.229	1.17748	1.17595
20.289	1.17729	1.17613
20.433	1.17752	1.17586
20.491	1.17789	1.17558
20.632	1.17762	1.17503
20.695	1.17737	1.17478
20.768	1.17723	1.17461
20.893	1.17783	1.17454
20.968	1.17746	1.17452
21.094	1.17762	1.17484
21.169	1.17781	1.17519
21.297	1.17759	1.17542
21.368	1.17758	1.17519
21.496	1.17779	1.17496
21.569	1.17792	1.17534
21.697	1.17797	1.17513
21.768	1.17831	1.17491
21.901	1.17833	1.17512
21.969	1.17841	1.17512
22.1	1.17882	1.17491
22.168	1.17911	1.17478
22.3	1.17863	1.1744
22.368	1.17843	1.17435
22.504	1.17798	1.17428
22.568	1.17798	1.17453
22.702	1.17842	1.17477
22.769	1.17868	1.17499
22.903	1.1792	1.17502
22.968	1.17889	1.17468
23.107	1.17942	1.17441
23.169	1.17889	1.1748
23.305	1.17805	1.17494
23.368	1.1778	1.17534
23.506	1.17785	1.1753
23.568	1.17859	1.17505
23.71	1.1782	1.17464

1m_975nm

23.768	1.17806	1.17433
23.908	1.17865	1.17418
23.969	1.17848	1.17447
24.11	1.17828	1.17434
24.168	1.17882	1.1743
24.312	1.17867	1.17429
24.369	1.17875	1.17431
24.51	1.17845	1.1747
24.569	1.1782	1.17499
24.713	1.17838	1.17482
24.769	1.17846	1.17461
24.916	1.17865	1.17532
24.968	1.17876	1.17503
25.068	1.1788	1.17501
25.168	1.17911	1.1747
25.268	1.17935	1.17445
25.368	1.17912	1.17486
25.468	1.17887	1.175
25.568	1.1787	1.17572
25.668	1.17856	1.17593
25.769	1.17822	1.17616
25.869	1.17829	1.17565
25.968	1.17843	1.1755
26.069	1.17861	1.17512
26.168	1.17865	1.17436
26.268	1.17866	1.17436
26.368	1.17866	1.17419
26.469	1.17859	1.17419
26.569	1.17819	1.17469
26.67	1.17828	1.17524
26.769	1.17845	1.17545
26.872	1.17892	1.17545
26.968	1.17849	1.1754
27.072	1.17847	1.17519
27.168	1.1782	1.17512
27.274	1.17792	1.17512
27.369	1.17792	1.17515
27.475	1.1776	1.1747
27.569	1.1776	1.17468
27.676	1.1773	1.17468
27.769	1.17731	1.1748
27.878	1.17778	1.17451
27.969	1.17778	1.17534
28.079	1.17832	1.17534
28.169	1.1784	1.17568
28.28	1.17814	1.17536
28.369	1.17814	1.1746
28.481	1.1789	1.1746
28.568	1.1789	1.17531

1m_975nm

28.682	1.17919	1.17517
28.768	1.17919	1.17553
28.884	1.17924	1.17553
28.969	1.17924	1.17565
29.086	1.17919	1.17526
29.168	1.17919	1.17526
29.286	1.17874	1.17567
29.368	1.17874	1.17582
29.487	1.17819	1.17582
29.569	1.17819	1.17509
29.689	1.1784	1.1754
29.769	1.1784	1.17563
29.89	1.17859	1.17563
29.969	1.17863	1.17533
30.091	1.17839	1.17527
30.168	1.17839	1.17524
30.293	1.17802	1.17524
30.369	1.17828	1.175
30.493	1.17875	1.17547
30.568	1.17875	1.17571
30.694	1.17888	1.17571
30.769	1.17883	1.17537
30.896	1.17873	1.17562
30.969	1.17873	1.17479
31.098	1.17894	1.17479
31.169	1.17946	1.17474
31.299	1.17915	1.17496
31.368	1.17915	1.17505
31.5	1.17883	1.17505
31.569	1.17893	1.17505
31.701	1.17915	1.17551
31.769	1.17915	1.17591
31.903	1.17925	1.17581
31.968	1.17963	1.17579
32.105	1.17958	1.17563
32.169	1.17958	1.17545
32.305	1.17878	1.175
32.369	1.17878	1.17452
32.507	1.17909	1.17481
32.569	1.17905	1.17478
32.708	1.179	1.17504
32.768	1.179	1.17481
32.91	1.17873	1.17474
32.968	1.17887	1.17538
33.11	1.17904	1.17558
33.168	1.17904	1.17558
33.311	1.17941	1.17558
33.369	1.17968	1.17514
33.513	1.17957	1.17484

1m_975nm

33.568	1.17957	1.17548
33.714	1.17972	1.17548
33.768	1.17971	1.17486
33.915	1.17965	1.1747
33.968	1.17965	1.17497
34.115	1.17957	1.17497
34.168	1.17954	1.17517
34.317	1.1795	1.17538
34.369	1.1795	1.17516
34.519	1.17948	1.17494
34.569	1.17947	1.1748
34.721	1.17854	1.17499
34.769	1.17854	1.17455
34.921	1.17916	1.17455
34.97	1.17909	1.17498
35.122	1.17929	1.17495
35.174	1.17948	1.17523
35.324	1.17991	1.17546
35.372	1.18009	1.17558
35.525	1.18023	1.175
35.573	1.17995	1.1745
35.727	1.17967	1.17482
35.777	1.17939	1.1752
35.927	1.17935	1.17529
35.975	1.17935	1.17512
36.128	1.17936	1.17527
36.176	1.17938	1.17542
36.33	1.17967	1.17579
36.381	1.17955	1.17532
36.531	1.17979	1.17526
36.58	1.17968	1.17497
36.732	1.18028	1.17442
36.781	1.1799	1.17449
36.933	1.17956	1.17461
36.985	1.18001	1.17504
37.134	1.17983	1.17504
37.183	1.17958	1.17456
37.337	1.17937	1.17393
37.384	1.17988	1.17418
37.538	1.17976	1.17454
37.587	1.17953	1.17448
37.739	1.17936	1.17456
37.786	1.17927	1.17441
37.939	1.17895	1.17499
37.988	1.17937	1.17516
38.143	1.17947	1.17486
38.194	1.17938	1.17494
38.343	1.1793	1.17467
38.393	1.17933	1.17443

1m_975nm

38.545	1.17904	1.17451
38.593	1.17914	1.17472
38.745	1.17974	1.17458
38.796	1.17974	1.17443
38.946	1.17964	1.17458
38.995	1.17988	1.17446
39.146	1.17985	1.17504
39.196	1.1796	1.17521
39.349	1.17911	1.17516
39.4	1.17943	1.1751
39.55	1.17977	1.17472
39.598	1.18	1.17442
39.75	1.18012	1.1742
39.799	1.18016	1.17421
39.952	1.18016	1.17392
40.002	1.17966	1.17403
40.153	1.17952	1.17375
40.201	1.17938	1.17404
40.356	1.17938	1.17431
40.404	1.17968	1.17449
40.556	1.17968	1.17491
40.608	1.17961	1.17449
40.757	1.17961	1.17483
40.806	1.17987	1.17479
40.868	1.17987	1.17467
41.006	1.18039	1.17478
41.069	1.18039	1.17462
41.211	1.17972	1.17484
41.268	1.17972	1.17471
41.409	1.17978	1.17505
41.468	1.17978	1.1748
41.61	1.17989	1.17489
41.669	1.17958	1.175
41.815	1.17886	1.17474
41.868	1.17886	1.17488
41.968	1.17936	1.17456
42.069	1.17943	1.17436
42.169	1.17941	1.1746
42.269	1.17904	1.17466
42.368	1.17911	1.17466
42.468	1.17892	1.17528
42.568	1.17877	1.17528
42.669	1.1793	1.1745
42.77	1.17914	1.1745
42.868	1.17962	1.17454
42.972	1.17968	1.17454
43.068	1.17962	1.17496
43.171	1.17957	1.17504
43.268	1.17953	1.17506

1m_975nm

43.374	1.17951	1.17506
43.469	1.17948	1.17468
43.575	1.17914	1.17506
43.668	1.17953	1.17505
43.776	1.17959	1.17505
43.868	1.17952	1.17503
43.977	1.17948	1.1744
44.068	1.18013	1.17444
44.179	1.18013	1.17444
44.268	1.17978	1.17459
44.379	1.17978	1.17459
44.468	1.17906	1.17489
44.581	1.17906	1.17489
44.668	1.17961	1.17508
44.782	1.17961	1.17508
44.869	1.17928	1.17531
44.984	1.17928	1.17531
45.069	1.1797	1.17503
45.184	1.1797	1.17503
45.269	1.17976	1.17423
45.387	1.17976	1.17423
45.468	1.18031	1.17484
45.587	1.18025	1.17484
45.668	1.18008	1.17511
45.787	1.18008	1.17485
45.869	1.17997	1.17527
45.991	1.18027	1.17527
46.068	1.18063	1.17547
46.191	1.18063	1.17563
46.269	1.18003	1.17536
46.392	1.18003	1.17536
46.469	1.17975	1.17513
46.594	1.17972	1.17524
46.669	1.17973	1.17519
46.795	1.17977	1.17519
46.869	1.17979	1.17519
46.996	1.17981	1.17536
47.068	1.17984	1.1745
47.198	1.17985	1.1745
47.268	1.17952	1.17448
47.398	1.1796	1.17462
47.468	1.17973	1.17447
47.598	1.17956	1.17447
47.669	1.17965	1.17389
47.801	1.17979	1.17433
47.868	1.17989	1.17437
48.002	1.18002	1.17437
48.069	1.18002	1.17436
48.203	1.17978	1.17436

1m_975nm

48.269	1.17952	1.17472
48.405	1.1798	1.17467
48.468	1.1798	1.17448
48.605	1.1797	1.17448
48.668	1.17918	1.17475
48.806	1.17879	1.17502
48.869	1.17879	1.1752
49.008	1.17913	1.1752
49.069	1.17929	1.17542
49.209	1.17938	1.17524
49.269	1.17946	1.175
49.41	1.17948	1.175
49.468	1.17981	1.17492
49.611	1.17974	1.17491
49.668	1.1795	1.17523
49.812	1.17944	1.17523
49.868	1.17915	1.17503
50.013	1.17915	1.17494
50.068	1.17895	1.17519
50.214	1.17879	1.17519
50.269	1.17905	1.17499
50.415	1.17922	1.17523
50.468	1.17956	1.1753
50.616	1.17961	1.1753
50.669	1.17929	1.17588
50.817	1.17859	1.17616
50.871	1.17866	1.17595
51.018	1.17909	1.17601
51.069	1.17911	1.17575
51.219	1.17932	1.17568
51.27	1.17956	1.17586
51.42	1.17935	1.17596
51.475	1.17946	1.17566
51.622	1.17953	1.17581
51.672	1.17953	1.17587
51.822	1.17961	1.17622
51.874	1.17931	1.17615
52.023	1.17937	1.17633
52.078	1.17937	1.17626
52.224	1.17889	1.17605
52.277	1.17905	1.17584
52.425	1.17931	1.17604
52.478	1.17986	1.17635
52.626	1.17998	1.17639
52.683	1.17984	1.17605
52.827	1.17966	1.17576
52.881	1.17986	1.17585
53.028	1.18005	1.17577
53.082	1.18043	1.17567

1m_975nm

53.229	1.18028	1.1756
53.286	1.17981	1.17618
53.43	1.17977	1.176
53.484	1.1793	1.1758
53.631	1.1792	1.17533
53.685	1.17951	1.17486
53.832	1.17979	1.17517
53.89	1.18011	1.17548
54.033	1.18019	1.17535
54.088	1.18014	1.17478
54.234	1.18007	1.17449
54.289	1.17997	1.17437
54.435	1.17993	1.1747
54.493	1.17991	1.17502
54.636	1.18023	1.17562
54.691	1.17995	1.17554
54.837	1.17995	1.17545
54.892	1.17978	1.17572
55.038	1.17942	1.17546
55.097	1.17966	1.17535
55.239	1.17953	1.17529
55.295	1.17953	1.17527
55.441	1.17977	1.17488
55.496	1.17954	1.17488
55.641	1.17981	1.17479
55.7	1.17981	1.17469
55.842	1.18029	1.17432
55.898	1.18029	1.17395
56.043	1.18058	1.17396
56.099	1.18058	1.17402
56.244	1.1807	1.17444
56.304	1.1807	1.17499
56.445	1.18041	1.17475
56.503	1.18041	1.17484
56.646	1.18043	1.17496
56.703	1.18043	1.17506
56.847	1.18063	1.17505
56.907	1.18063	1.17503
57.048	1.18048	1.17501
57.107	1.18037	1.17497
57.249	1.18026	1.17496
57.307	1.18025	1.17494
57.45	1.17959	1.17526
57.512	1.17973	1.17472
57.651	1.17993	1.17469
57.711	1.18051	1.17509
57.852	1.1806	1.1751
57.911	1.18072	1.17521
58.053	1.1802	1.17503

1m_975nm

58.114	1.18045	1.17524
58.258	1.18069	1.17511
58.269	1.18089	1.17463
58.455	1.18089	1.17468
58.469	1.18035	1.17477
58.656	1.18035	1.17483
58.668	1.18008	1.1752
58.857	1.18043	1.1753
58.869	1.1804	1.17508
59.058	1.18056	1.17525
59.068	1.17973	1.17511
59.259	1.17973	1.17528
59.271	1.18029	1.17519
59.46	1.1803	1.17495
59.471	1.18028	1.17481
59.661	1.18028	1.17474
59.673	1.18027	1.17475
59.862	1.18027	1.17544
59.874	1.17961	1.17566
60.063	1.17961	1.17569
	1.17975	

1m_975nm

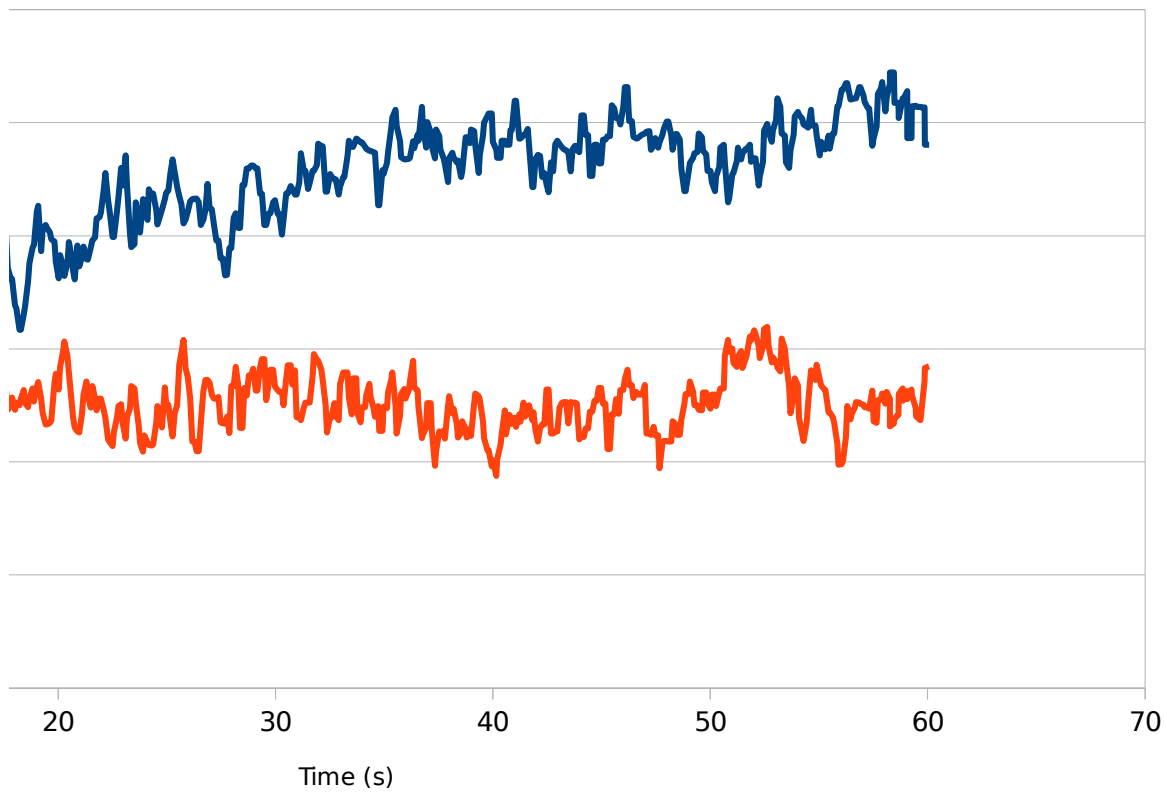
Power Deviation (W)

Percentage Deviation

0.08384283

0.03379723

975nm



1m_975nm

Chameleon
Bypass

1m_1000nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 1000 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s) Power (W)

Chameleon Bypass OPO

0.067	0.985494	0.982549	0.444725
0.171	0.985666	0.9825	0.444492
0.242	0.985344	0.982287	0.444437
0.373	0.985569	0.983129	0.443694
0.441	0.985453	0.983898	0.442692
0.573	0.984979	0.983898	0.441849
0.642	0.985046	0.984235	0.441042
0.774	0.984807	0.98421	0.440633
0.841	0.984611	0.984134	0.440825
0.976	0.984853	0.98371	0.440996
1.042	0.985013	0.983744	0.441304
1.177	0.985563	0.983782	0.441875
1.242	0.985295	0.984122	0.442314
1.379	0.985292	0.984374	0.442688
1.442	0.9857	0.984495	0.442873
1.58	0.985643	0.984119	0.442984
1.641	0.985509	0.984452	0.443167
1.781	0.98573	0.984114	0.442971
1.841	0.985923	0.984721	0.443227
1.982	0.986367	0.984881	0.442877
2.041	0.98627	0.984922	0.44275
2.184	0.985761	0.984891	0.44286
2.242	0.985679	0.983568	0.443063
2.385	0.98548	0.9839	0.443408
2.441	0.985631	0.984304	0.443773
2.586	0.985404	0.984571	0.443973
2.641	0.985193	0.984735	0.443871
2.787	0.985303	0.984389	0.443555
2.841	0.985183	0.984419	0.443126
2.941	0.985448	0.984176	0.442236
3.041	0.986025	0.983863	0.442044
3.142	0.986102	0.983863	0.441961
3.242	0.986202	0.984168	0.441429
3.341	0.986326	0.98446	0.441355
3.442	0.986104	0.983964	0.441175
3.541	0.986211	0.984167	0.441429
3.642	0.985456	0.984607	0.441554
3.742	0.985395	0.984352	0.441637
3.842	0.985465	0.984102	0.442004
3.942	0.985549	0.983949	0.441633
4.041	0.985323	0.985058	0.440748

Average Power (W)

Average Pow

0.98386635 0.00080609

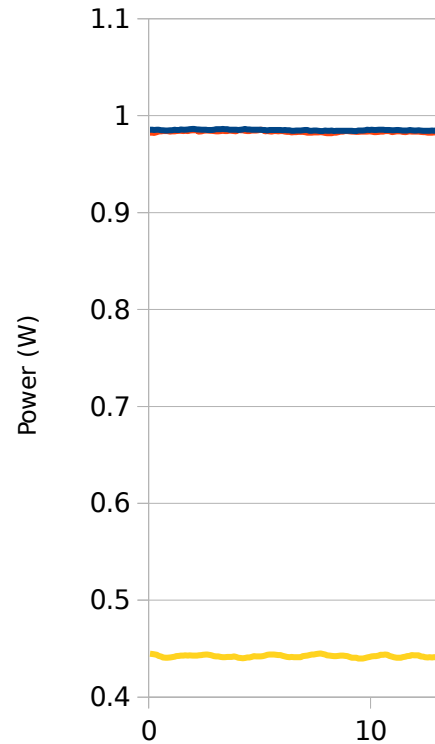
Chameleon

Bypass

OPO

0.9838636327 0.00045272

0.4419020599 0.00118978



1m_1000nm

4.141	0.985417	0.985007	0.440433
4.242	0.985893	0.984837	0.440104
4.341	0.986263	0.984355	0.440508
4.441	0.985794	0.984056	0.440878
4.542	0.985903	0.984188	0.441011
4.641	0.985455	0.984689	0.441514
4.742	0.985442	0.984738	0.442222
4.841	0.98553	0.984588	0.44208
4.942	0.985407	0.984862	0.442053
5.042	0.98557	0.98542	0.442186
5.141	0.985353	0.985134	0.442427
5.242	0.985152	0.983909	0.443026
5.342	0.984683	0.983968	0.443622
5.441	0.985099	0.983812	0.443992
5.542	0.9852	0.983698	0.444107
5.642	0.985211	0.984016	0.444072
5.744	0.985209	0.983999	0.443736
5.842	0.98522	0.983927	0.44341
5.942	0.98522	0.984215	0.443328
6.042	0.98498	0.984138	0.442629
6.143	0.985122	0.983615	0.442094
6.241	0.984963	0.983322	0.441426
6.346	0.984963	0.983189	0.441177
6.441	0.984276	0.982839	0.441458
6.544	0.98431	0.983151	0.441349
6.641	0.984599	0.983151	0.441268
6.746	0.984599	0.98318	0.441119
6.842	0.984772	0.983389	0.441352
6.95	0.984816	0.983205	0.442205
7.042	0.985173	0.983027	0.442644
7.148	0.985121	0.982323	0.442897
7.241	0.98431	0.982546	0.443287
7.348	0.984455	0.982488	0.443879
7.442	0.984662	0.982759	0.444075
7.552	0.984813	0.982848	0.444402
7.641	0.984343	0.982672	0.444864
7.75	0.984221	0.982906	0.444953
7.841	0.984184	0.98281	0.444573
7.952	0.984529	0.982299	0.444008
8.042	0.98441	0.98202	0.443091
8.155	0.984352	0.9819	0.442749
8.241	0.984662	0.981893	0.4427
8.353	0.984266	0.982616	0.442319
8.442	0.984272	0.982495	0.442332
8.555	0.984334	0.982996	0.442601
8.642	0.984384	0.983423	0.442885
8.758	0.984417	0.983722	0.443032
8.841	0.98445	0.98403	0.442669
8.956	0.98445	0.984228	0.442202

1m_1000nm

9.042	0.98446	0.983951	0.441466
9.158	0.984462	0.983429	0.44056
9.242	0.984133	0.983429	0.440668
9.362	0.984133	0.983227	0.440588
9.442	0.984527	0.983195	0.439972
9.559	0.984765	0.983449	0.439878
9.642	0.984685	0.983449	0.439999
9.761	0.984897	0.983493	0.4404
9.842	0.985422	0.983643	0.4409
9.964	0.985306	0.983787	0.441457
10.042	0.985512	0.98353	0.441994
10.163	0.985345	0.98313	0.442374
10.242	0.985261	0.983063	0.442395
10.364	0.985374	0.98338	0.442896
10.441	0.985494	0.983658	0.443776
10.567	0.985552	0.983613	0.443776
10.642	0.985267	0.984076	0.444127
10.766	0.985358	0.984079	0.443753
10.842	0.985086	0.983968	0.442572
10.967	0.984843	0.983177	0.441805
11.041	0.984985	0.98332	0.441178
11.17	0.985249	0.983847	0.440858
11.241	0.985077	0.983915	0.440678
11.369	0.984882	0.983778	0.440678
11.441	0.984761	0.983389	0.441276
11.569	0.984704	0.983087	0.441798
11.643	0.984704	0.983263	0.442325
11.773	0.985079	0.98396	0.442645
11.844	0.985038	0.983639	0.443327
11.972	0.984521	0.983606	0.443252
12.045	0.984521	0.983639	0.443245
12.173	0.984929	0.983685	0.443064
12.246	0.98457	0.983357	0.442128
12.377	0.984454	0.98309	0.441857
12.447	0.984454	0.982949	0.441385
12.575	0.984501	0.982577	0.441083
12.649	0.984324	0.98257	0.441118
12.776	0.984559	0.982517	0.44095
12.85	0.984465	0.982787	0.441257
12.979	0.984881	0.982707	0.441341
13.051	0.984667	0.982555	0.441529
13.177	0.98445	0.982884	0.441679
13.252	0.98432	0.982842	0.44177
13.378	0.984861	0.983081	0.442667
13.455	0.984684	0.983989	0.443473
13.582	0.984153	0.98416	0.444122
13.655	0.983765	0.984518	0.44457
13.78	0.98413	0.984401	0.4441
13.856	0.984634	0.984189	0.443793

1m_1000nm

13.982	0.985003	0.984465	0.443287
14.057	0.984861	0.984465	0.442756
14.185	0.985103	0.984154	0.442702
14.258	0.985153	0.984154	0.442862
14.384	0.98482	0.983995	0.44309
14.459	0.984858	0.983995	0.443536
14.585	0.985336	0.983939	0.444232
14.662	0.985336	0.983939	0.444599
14.741	0.985482	0.984188	0.44435
14.862	0.985296	0.984553	0.444175
14.941	0.985204	0.984068	0.444062
15.064	0.985204	0.984068	0.443777
15.142	0.984858	0.98442	0.443257
15.264	0.984792	0.984362	0.44304
15.341	0.984442	0.983796	0.442161
15.466	0.984442	0.983796	0.441996
15.541	0.984341	0.983899	0.441864
15.667	0.984525	0.983985	0.441691
15.742	0.98453	0.983805	0.441994
15.869	0.98453	0.983805	0.4419
15.942	0.984563	0.983716	0.44116
16.069	0.984796	0.983837	0.441218
16.142	0.984612	0.984088	0.440979
16.271	0.984417	0.984088	0.440735
16.341	0.983927	0.983887	0.440804
16.473	0.983666	0.983681	0.440661
16.541	0.983889	0.984006	0.440431
16.674	0.984151	0.984006	0.441137
16.742	0.984447	0.984497	0.441843
16.874	0.984169	0.984771	0.44235
16.941	0.983925	0.984315	0.442606
17.076	0.983794	0.984315	0.442831
17.141	0.983768	0.984303	0.443331
17.277	0.984139	0.984458	0.443591
17.342	0.984116	0.984608	0.443548
17.478	0.984361	0.984355	0.443257
17.541	0.983742	0.984223	0.44294
17.68	0.983709	0.984025	0.442637
17.742	0.983795	0.983912	0.442389
17.881	0.983886	0.98387	0.442395
17.942	0.983998	0.983891	0.441818
18.082	0.984024	0.983891	0.441462
18.141	0.98437	0.983947	0.441417
18.284	0.984641	0.983971	0.441337
18.341	0.984812	0.984338	0.441885
18.484	0.984812	0.984338	0.441619
18.541	0.984741	0.98416	0.441512
18.686	0.984356	0.984067	0.441646
18.741	0.984042	0.983994	0.442015

1m_1000nm

18.887	0.983536	0.983994	0.442315
18.942	0.983665	0.983665	0.442238
19.088	0.984124	0.983411	0.442554
19.141	0.984152	0.98293	0.443083
19.291	0.984085	0.98293	0.443371
19.342	0.984588	0.983476	0.443213
19.492	0.984379	0.983503	0.442989
19.542	0.984152	0.98412	0.443939
19.692	0.984004	0.98412	0.444698
19.741	0.983913	0.98432	0.445116
19.894	0.98392	0.983982	0.445525
19.941	0.984269	0.984016	0.445372
20.094	0.984223	0.984104	0.445456
20.141	0.984031	0.983921	0.445334
20.297	0.983656	0.983716	0.445454
20.341	0.98371	0.983536	0.445069
20.497	0.983512	0.98344	0.444121
20.542	0.98303	0.983754	0.444028
20.699	0.982832	0.984047	0.443918
20.742	0.982707	0.983883	0.443858
20.898	0.982683	0.983686	0.443992
20.941	0.982538	0.984094	0.444057
21.1	0.982751	0.983882	0.443832
21.141	0.982595	0.983995	0.44352
21.303	0.982452	0.983793	0.443476
21.341	0.982064	0.983164	0.443056
21.503	0.982391	0.98286	0.442701
21.541	0.982284	0.982728	0.442633
21.704	0.982107	0.982385	0.44284
21.741	0.982342	0.982974	0.442688
21.906	0.982494	0.982974	0.442675
21.941	0.982714	0.983575	0.44256
22.107	0.982851	0.983339	0.442647
22.142	0.982916	0.983498	0.442841
22.309	0.983265	0.983342	0.44244
22.342	0.983042	0.983846	0.442149
22.51	0.983254	0.984512	0.441574
22.542	0.983442	0.98458	0.44147
22.711	0.983534	0.984222	0.441355
22.742	0.983521	0.98422	0.441467
22.911	0.983473	0.983958	0.441178
22.942	0.983423	0.983685	0.440966
23.041	0.983377	0.983855	0.440432
23.142	0.983308	0.98405	0.440132
23.242	0.982622	0.983627	0.439808
23.341	0.982409	0.9835	0.439523
23.441	0.982394	0.98378	0.439488
23.542	0.982261	0.984039	0.43992
23.642	0.982791	0.983398	0.439718

1m_1000nm

23.741	0.982878	0.983071	0.439515
23.841	0.982847	0.983182	0.440116
23.942	0.982805	0.983361	0.440407
24.041	0.982767	0.982992	0.440761
24.141	0.982766	0.982906	0.441289
24.242	0.983101	0.983225	0.441483
24.342	0.98304	0.983187	0.441875
24.442	0.983416	0.98365	0.44168
24.542	0.983497	0.983772	0.441145
24.641	0.983841	0.983487	0.440877
24.742	0.983747	0.983888	0.441229
24.842	0.98343	0.983801	0.441472
24.941	0.983665	0.983999	0.441502
25.041	0.983538	0.983905	0.441463
25.142	0.983375	0.983778	0.441628
25.241	0.98326	0.984226	0.441799
25.342	0.982905	0.984334	0.442053
25.441	0.983029	0.984028	0.44235
25.541	0.983133	0.984074	0.442656
25.642	0.982867	0.983499	0.443384
25.741	0.98252	0.983697	0.443317
25.841	0.98252	0.983682	0.443565
25.941	0.982774	0.983276	0.443868
26.042	0.982687	0.983622	0.443511
26.141	0.982637	0.984226	0.443344
26.245	0.982957	0.984327	0.443746
26.342	0.983392	0.984014	0.443767
26.443	0.983454	0.984055	0.443535
26.542	0.983456	0.984142	0.443421
26.645	0.983098	0.984211	0.443331
26.741	0.983224	0.98387	0.442665
26.849	0.983291	0.984248	0.44229
26.941	0.98299	0.984286	0.441809
27.047	0.982732	0.9845	0.441611
27.141	0.982872	0.984384	0.441704
27.248	0.982811	0.984554	0.442307
27.342	0.982713	0.984699	0.44297
27.451	0.982987	0.984435	0.442703
27.542	0.982903	0.98414	0.442115
27.651	0.983563	0.983631	0.441694
27.742	0.983563	0.983288	0.441028
27.852	0.983799	0.98338	0.441037
27.944	0.983998	0.9833	0.441005
28.055	0.983747	0.982946	0.440875
28.144	0.983478	0.982707	0.441117
28.253	0.983457	0.983237	0.441867
28.346	0.982951	0.983775	0.441867
28.455	0.982909	0.984163	0.442706
28.547	0.982988	0.984362	0.442706

1m_1000nm

28.658	0.982875	0.983816	0.443376
28.748	0.982715	0.983634	0.443376
28.857	0.982243	0.983873	0.443409
28.949	0.982248	0.983441	0.443409
29.058	0.982507	0.983379	0.441951
29.152	0.982608	0.983489	0.441951
29.262	0.982679	0.983209	0.441947
29.352	0.982726	0.982981	0.441947
29.46	0.982443	0.983204	0.441785
29.554	0.982523	0.983613	0.441096
29.661	0.982661	0.984031	0.440376
29.755	0.982765	0.984328	0.440376
29.864	0.982852	0.984133	0.439224
29.957	0.982852	0.984133	0.438698
30.063	0.982592	0.984218	0.439069
30.158	0.982384	0.984218	0.439069
30.263	0.982723	0.984658	0.440151
30.36	0.982723	0.984658	0.440448
30.468	0.982304	0.984522	0.440839
30.561	0.982519	0.984522	0.440839
30.666	0.982291	0.984138	0.441651
30.761	0.982291	0.984138	0.441986
30.867	0.982467	0.984326	0.441757
30.963	0.982017	0.984326	0.441757
31.07	0.982182	0.984467	0.442038
31.164	0.982182	0.984467	0.442564
31.268	0.982058	0.984607	0.442439
31.364	0.982462	0.984607	0.442336
31.47	0.982154	0.984437	0.443158
31.568	0.982154	0.984437	0.443282
31.673	0.98254	0.984353	0.443321
31.767	0.982159	0.983841	0.442973
31.872	0.982176	0.983505	0.443082
31.969	0.982604	0.983505	0.44335
32.072	0.982535	0.983528	0.442761
32.17	0.98279	0.983369	0.442259
32.276	0.98234	0.983292	0.442173
32.372	0.982583	0.983292	0.442505
32.474	0.983303	0.98371	0.442387
32.572	0.98324	0.983695	0.441848
32.676	0.98314	0.983552	0.44147
32.775	0.98338	0.983552	0.441294
32.879	0.983389	0.983524	0.440471
32.975	0.983516	0.983536	0.44034
33.078	0.983567	0.98357	0.440241
33.176	0.98389	0.98357	0.440247
33.279	0.98353	0.983004	0.440412
33.378	0.983316	0.983004	0.440802
33.482	0.983246	0.983147	0.44131

1m_1000nm

33.58	0.982895	0.983147	0.441509
33.681	0.983355	0.983357	0.441832
33.78	0.983355	0.983357	0.44172
33.881	0.983546	0.983366	0.44144
33.982	0.983052	0.983366	0.441077
34.086	0.982801	0.983376	0.440171
34.182	0.982801	0.983376	0.440006
34.283	0.982556	0.983699	0.43987
34.385	0.982509	0.983792	0.439391
34.484	0.98255	0.983486	0.438722
34.585	0.98255	0.983486	0.438863
34.688	0.98264	0.983037	0.439238
34.788	0.98301	0.982976	0.439419
34.842	0.982869	0.983004	0.440002
34.988	0.982869	0.983004	0.440072
35.041	0.982815	0.982749	0.439949
35.19	0.982863	0.982851	0.439689
35.241	0.983165	0.982866	0.440123
35.39	0.983064	0.982866	0.440207
35.441	0.983333	0.983205	0.440209
35.591	0.983346	0.982945	0.44004
35.642	0.98339	0.983174	0.440346
35.793	0.983409	0.983174	0.440641
35.841	0.98338	0.98357	0.440641
35.994	0.983021	0.983451	0.440329
36.041	0.983061	0.982945	0.439821
36.195	0.983168	0.982945	0.439923
36.241	0.982694	0.983746	0.440533
36.397	0.982574	0.983701	0.440227
36.442	0.982538	0.983586	0.43992
36.597	0.982219	0.983586	0.440332
36.642	0.982164	0.984389	0.440278
36.8	0.982039	0.984581	0.440575
36.842	0.981997	0.984624	0.44084
37	0.982016	0.983918	0.441129
37.042	0.981795	0.984146	0.442309
37.203	0.981921	0.984146	0.442751
37.242	0.982101	0.983976	0.443193
37.402	0.982572	0.983376	0.443531
37.441	0.982842	0.98367	0.443932
37.605	0.982842	0.98367	0.444062
37.642	0.98252	0.983957	0.443777
37.804	0.982729	0.984172	0.44329
37.841	0.983259	0.983454	0.442061
38.006	0.9833	0.983454	0.441458
38.042	0.983684	0.983399	0.441121
38.207	0.983725	0.983376	0.440851
38.242	0.983693	0.983442	0.440071
38.409	0.983957	0.983512	0.44006

1m_1000nm

38.442	0.983609	0.983334	0.440041
38.609	0.983448	0.983815	0.440388
38.642	0.983674	0.983857	0.440541
38.813	0.983542	0.983789	0.440508
38.842	0.983855	0.983667	0.440513
39.011	0.983923	0.98397	0.440697
39.042	0.98426	0.98422	0.440708
39.214	0.984494	0.984348	0.44056
39.241	0.983977	0.98436	0.440604
39.415	0.983781	0.983983	0.440981
39.442	0.983665	0.983999	0.441433
39.617	0.983608	0.983751	0.441567
39.642	0.982988	0.983547	0.442201
39.817	0.982861	0.983668	0.441931
39.842	0.982504	0.983548	0.441461
40.021	0.982604	0.983479	0.440962
40.042	0.98328	0.983127	0.440778
40.22	0.983986	0.983358	0.441108
40.242	0.984121	0.983485	0.44139
40.421	0.983735	0.983236	0.441254
40.442	0.983373	0.98302	0.440554
40.622	0.983375	0.982819	0.439727
40.641	0.983278	0.983114	0.439166
40.824	0.98349	0.983456	0.438932
40.842	0.983351	0.983683	0.438706
41.026	0.982735	0.983464	0.43951
41.041	0.982735	0.983692	0.439991
41.227	0.982802	0.983103	0.440394
41.242	0.982951	0.982933	0.440967
41.426	0.983406	0.982927	0.440867
41.442	0.983597	0.983029	0.440903
41.629	0.983722	0.98341	0.440781
41.641	0.983507	0.983381	0.439916
41.83	0.983297	0.983612	0.439504
41.842	0.983438	0.98422	0.439551
42.032	0.983354	0.98384	0.43985
42.041	0.983563	0.983756	0.439958
42.232	0.983414	0.983749	0.44029
42.241	0.983406	0.983811	0.440365
42.435	0.983229	0.98386	0.440841
42.441	0.983453	0.983813	0.441497
42.635	0.983671	0.984085	0.442318
42.642	0.983584	0.983215	0.442211
42.741	0.983714	0.983296	0.442306
42.841	0.98412	0.983458	0.442495
42.941	0.984407	0.983252	0.442776
43.041	0.983869	0.982961	0.442862
43.142	0.983368	0.982937	0.442743
43.241	0.983159	0.983288	0.442578

1m_1000nm

43.341	0.983331	0.982928	0.442276
43.441	0.983523	0.982981	0.440928
43.541	0.983647	0.98339	0.440397
43.643	0.983647	0.983713	0.439836
43.742	0.98304	0.984217	0.439393
43.841	0.98304	0.984208	0.438966
43.941	0.982616	0.984195	0.439331
44.045	0.982616	0.983959	0.440015
44.142	0.982311	0.983788	0.440694
44.246	0.982311	0.984017	0.441485
44.342	0.982047	0.983674	0.442266
44.446	0.982191	0.983174	0.442189
44.542	0.982825	0.983218	0.441921
44.647	0.982825	0.983703	0.441921
44.742	0.983103	0.983765	0.441082
44.85	0.983103	0.983666	0.441082
44.942	0.983049	0.983631	0.440533
45.049	0.983049	0.983614	0.440533
45.141	0.983086	0.983608	0.441175
45.252	0.983086	0.984207	0.441175
45.342	0.983455	0.984012	0.442371
45.452	0.983455	0.983787	0.442371
45.544	0.983751	0.983634	0.441468
45.652	0.983751	0.983791	0.441468
45.741	0.983744	0.98366	0.440732
45.854	0.983815	0.983574	0.440732
45.943	0.983599	0.983535	0.440704
46.057	0.983599	0.98413	0.440324
46.146	0.983419	0.983947	0.43976
46.256	0.983211	0.983735	0.43976
46.345	0.982714	0.983925	0.440206
46.458	0.982714	0.984564	0.440724
46.546	0.982667	0.984867	0.44176
46.66	0.982594	0.984994	0.44176
46.75	0.982487	0.984999	0.441952
46.861	0.982487	0.98461	0.442214
46.947	0.982808	0.98405	0.443398
47.061	0.983057	0.983612	0.443398
47.149	0.983267	0.983312	0.444247
47.263	0.983052	0.983511	0.444247
47.353	0.983288	0.98308	0.443673
47.463	0.983694	0.983182	0.443673
47.551	0.983319	0.983297	0.443464
47.665	0.983582	0.982732	0.443464
47.752	0.984074	0.982923	0.444808
47.866	0.983845	0.982895	0.444808
47.955	0.983856	0.983232	0.445347
48.068	0.983889	0.983232	0.445347
48.154	0.983872	0.983376	0.444572

1m_1000nm

48.268	0.983836	0.983195	0.444572
48.354	0.983798	0.983369	0.443521
48.469	0.984093	0.983369	0.443521
48.559	0.984103	0.983453	0.441979
48.671	0.983684	0.983453	0.441857
48.756	0.983684	0.983331	0.441891
48.871	0.983592	0.983331	0.441891
48.957	0.983614	0.983701	0.441574
49.072	0.983614	0.983701	0.441552
49.161	0.983998	0.983829	0.440968
49.273	0.98357	0.983829	0.440968
49.36	0.982916	0.983773	0.439577
49.474	0.982916	0.983773	0.439341
49.561	0.98342	0.983102	0.438271
49.675	0.983599	0.983102	0.438271
49.764	0.984064	0.983171	0.437961
49.876	0.984064	0.983171	0.438516
49.962	0.984524	0.983583	0.439152
50.077	0.984273	0.983583	0.439152
50.163	0.984032	0.984068	0.43964
50.278	0.984032	0.984068	0.440035
50.368	0.984243	0.984477	0.441667
50.479	0.984266	0.984477	0.441667
50.567	0.984819	0.984221	0.442697
50.68	0.984819	0.984221	0.443035
50.768	0.984921	0.984303	0.443603
50.881	0.984871	0.984292	0.443603
50.97	0.985133	0.98396	0.443818
51.082	0.984994	0.98396	0.443816
51.168	0.984651	0.984121	0.443846
51.283	0.984222	0.984151	0.443623
51.37	0.984235	0.984477	0.443133
51.484	0.984006	0.984477	0.44333
51.574	0.984012	0.984246	0.443267
51.685	0.983872	0.984133	0.442966
51.772	0.983803	0.983434	0.442847
51.886	0.984124	0.983434	0.443096
51.972	0.985175	0.983585	0.443415
52.087	0.985049	0.983875	0.443137
52.176	0.984832	0.98356	0.442573
52.288	0.984658	0.98356	0.442017
52.374	0.984485	0.983755	0.441311
52.489	0.984485	0.983755	0.440961
52.576	0.984443	0.982927	0.440928
52.69	0.984109	0.982927	0.441027
52.779	0.98405	0.983003	0.440351
52.891	0.98405	0.983003	0.440022
52.978	0.983849	0.982767	0.439893
53.092	0.984132	0.982767	0.439475

1m_1000nm

53.178	0.98429	0.983018	0.43905
53.293	0.98429	0.983018	0.439029
53.382	0.984606	0.983403	0.439423
53.494	0.984318	0.983634	0.439812
53.58	0.983899	0.983905	0.439738
53.695	0.983899	0.983905	0.439724
53.781	0.984095	0.983897	0.439751
53.896	0.983656	0.984187	0.439802
53.986	0.983766	0.983904	0.44018
54.097	0.983766	0.983904	0.440734
54.183	0.983946	0.983425	0.441142
54.298	0.983995	0.98351	0.441041
54.385	0.984038	0.983306	0.441297
54.499	0.984038	0.983306	0.441866
54.541	0.983787	0.983206	0.441788
54.7	0.983919	0.983373	0.441606
54.741	0.984018	0.983411	0.441436
54.901	0.983412	0.983411	0.441456
54.942	0.983508	0.98312	0.440947
55.102	0.983108	0.983038	0.440653
55.141	0.983149	0.983357	0.440468
55.303	0.983287	0.983357	0.440689
55.342	0.983503	0.984076	0.441041
55.504	0.983893	0.983678	0.441854
55.541	0.983859	0.983649	0.441905
55.705	0.984079	0.983364	0.441752
55.742	0.983741	0.983137	0.441574
55.906	0.983951	0.983575	0.441277
55.942	0.984154	0.983386	0.441057
56.108	0.983934	0.982856	0.441236
56.141	0.984158	0.983137	0.442226
56.308	0.984158	0.983154	0.442808
56.342	0.984242	0.983103	0.442989
56.509	0.983898	0.983434	0.442964
56.541	0.984042	0.983377	0.443106
56.71	0.984042	0.982932	0.442981
56.742	0.983815	0.983009	0.442993
56.911	0.983558	0.983098	0.443288
56.942	0.983748	0.983491	0.443844
57.112	0.983963	0.983792	0.443894
57.141	0.984238	0.983392	0.443662
57.313	0.984319	0.983571	0.443415
57.341	0.98428	0.983422	0.44292
57.514	0.98455	0.98326	0.442544
57.541	0.984853	0.983374	0.442182
57.715	0.984859	0.982903	0.442128
57.742	0.984487	0.982881	0.442791
57.916	0.984165	0.982972	0.44328
57.942	0.984478	0.98287	0.443603

			1m_1000nm
58.117	0.984589	0.983044	0.443745
58.142	0.984635	0.982837	0.443464
58.318	0.984639	0.982975	0.442107
58.341	0.984594	0.982981	0.442107
58.519	0.984235	0.982834	0.44169
58.542	0.984279	0.983018	0.441657
58.72	0.984059	0.983202	0.441608
58.743	0.984055	0.983625	0.441105
58.844	0.984055	0.983501	0.440886
58.946	0.984238	0.983719	0.441131
59.042	0.98454	0.983904	0.441572
59.147	0.98454	0.983996	0.442121
59.241	0.984723	0.983628	0.442523
59.348	0.984723	0.983643	0.442649
59.441	0.983667	0.983387	0.442654
59.549	0.983667	0.983173	0.443482
59.718	0.983997	0.983278	0.443403
59.825	0.984866	0.983151	0.443093
59.927	0.984892	0.982746	0.442974
60.036	0.984786	0.98279	0.442974
		0.982596	0.442206

1m_1000nm

Power Deviation (W)

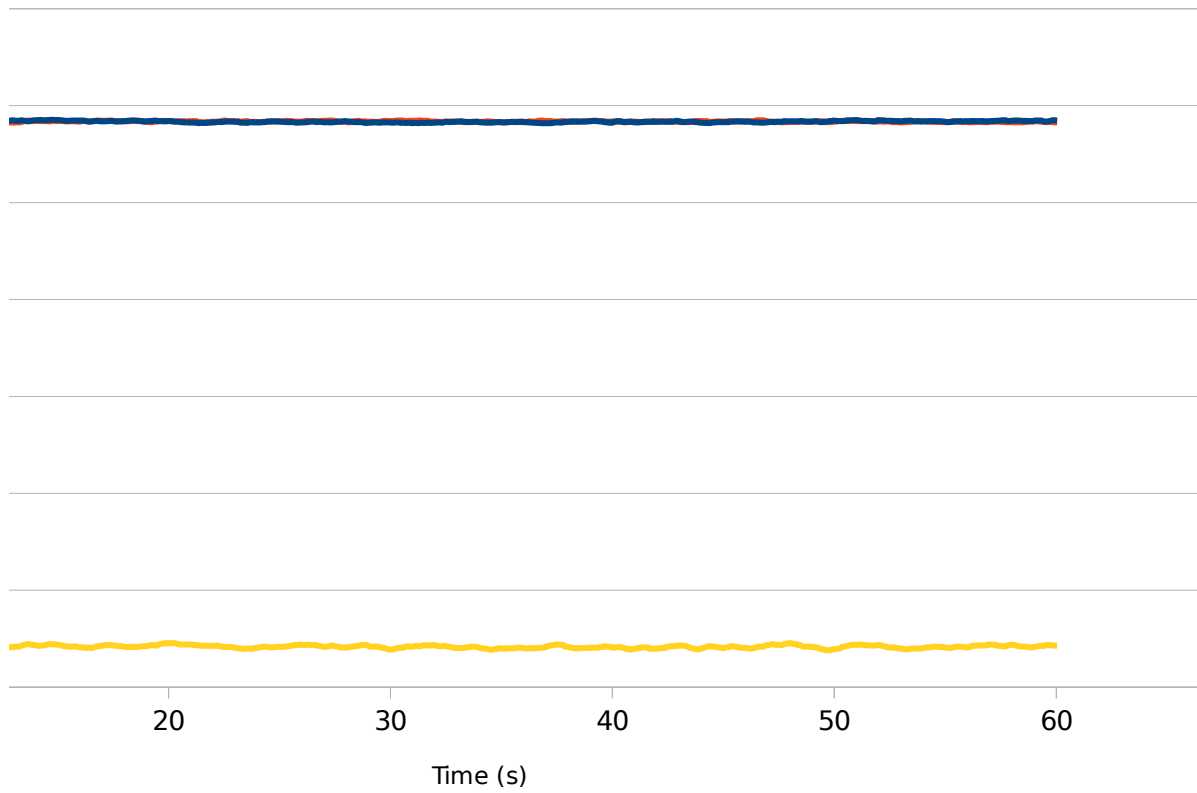
Percentage Deviation

0.08193076

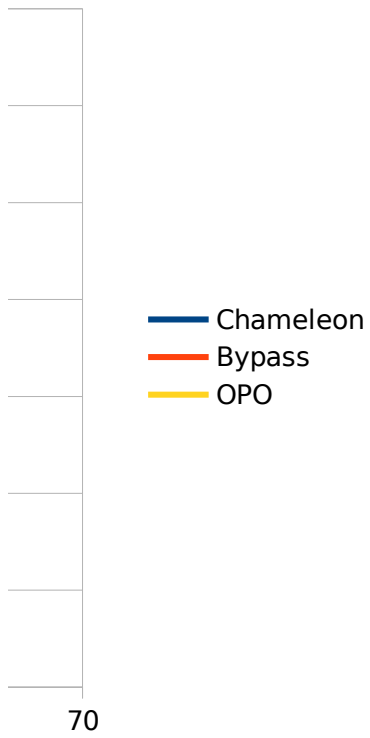
0.04601423

0.26924112

1000nm



1m_1000nm



1m_1025nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 1025 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s) Power (W)

Chameleon Bypass OPO

0.068	0.752916	0.751279	0.943901
0.113	0.752272	0.751279	0.943063
0.201	0.752136	0.751531	0.94315
0.316	0.752217	0.751356	0.942788
0.4	0.751935	0.751375	0.942923
0.515	0.751707	0.751375	0.942877
0.6	0.750934	0.751108	0.943083
0.716	0.750152	0.750686	0.943175
0.801	0.750137	0.750717	0.943988
0.92	0.75024	0.750845	0.944589
1	0.750055	0.751299	0.945503
1.118	0.749942	0.751546	0.946245
1.201	0.75002	0.752066	0.946205
1.318	0.75002	0.752085	0.945879
1.401	0.750244	0.752435	0.945672
1.522	0.750679	0.752466	0.945531
1.601	0.750039	0.752427	0.945094
1.721	0.750039	0.752023	0.944386
1.801	0.750404	0.751472	0.94386
1.922	0.750564	0.751375	0.943157
2.001	0.751043	0.751016	0.943539
2.125	0.751043	0.751093	0.943117
2.2	0.750273	0.751044	0.942783
2.324	0.75037	0.751196	0.9431
2.401	0.750205	0.751374	0.943626
2.525	0.750399	0.751496	0.945062
2.6	0.750133	0.752254	0.945502
2.728	0.750395	0.752454	0.945851
2.8	0.750644	0.752782	0.945846
2.927	0.750795	0.752637	0.945981
3.001	0.750942	0.752302	0.945723
3.128	0.751654	0.751908	0.945447
3.2	0.751792	0.751868	0.944947
3.331	0.751723	0.751911	0.945792
3.401	0.751744	0.75129	0.946826
3.528	0.751846	0.751194	0.94732
3.601	0.751602	0.751322	0.947895
3.731	0.751359	0.751697	0.948027
3.8	0.751103	0.751984	0.948569
3.935	0.751061	0.752137	0.948565
4.001	0.751049	0.752452	0.948551

Average Power (W)

Average Pow

Chameleon

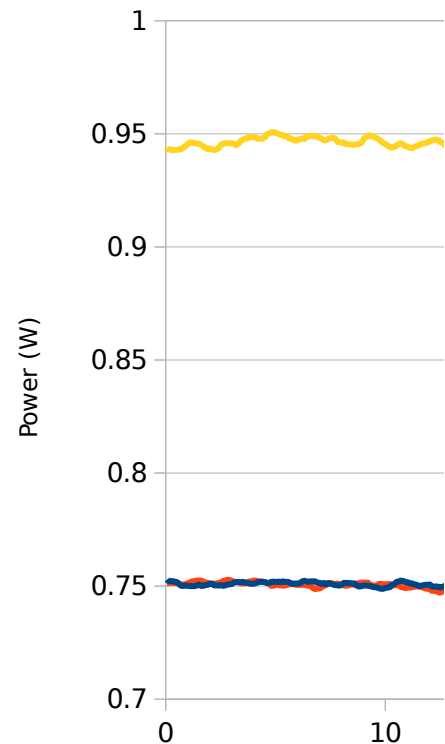
0.7508743111 0.00068697

Bypass

0.7508709083 0.00087395

OPO

0.9443461547 0.00165626



1m_1025nm

4.133	0.751383	0.75229	0.948159
4.2	0.751798	0.752151	0.947727
4.334	0.751841	0.752056	0.947871
4.4	0.751826	0.751966	0.947875
4.537	0.751784	0.751617	0.948565
4.601	0.751425	0.751345	0.949848
4.736	0.751425	0.750877	0.95028
4.801	0.751848	0.750138	0.950595
4.937	0.752013	0.750221	0.950667
5	0.751789	0.75043	0.950414
5.141	0.751957	0.750628	0.949958
5.201	0.751793	0.750295	0.94954
5.339	0.752098	0.750236	0.949371
5.4	0.751842	0.750236	0.948995
5.539	0.751926	0.750571	0.948861
5.601	0.751705	0.750842	0.948029
5.743	0.751059	0.750878	0.947865
5.803	0.751084	0.750878	0.947388
5.942	0.751214	0.750547	0.946928
6.004	0.751002	0.750498	0.947516
6.142	0.751339	0.750519	0.947663
6.204	0.752132	0.750519	0.947861
6.346	0.7524	0.750581	0.947714
6.406	0.752103	0.750276	0.948873
6.501	0.751898	0.750251	0.948873
6.607	0.752048	0.750251	0.949017
6.7	0.752136	0.749137	0.949079
6.809	0.752163	0.748697	0.94882
6.901	0.751527	0.748883	0.94882
7.01	0.75136	0.748883	0.948196
7.1	0.750963	0.749532	0.947796
7.21	0.751358	0.750036	0.947114
7.301	0.750856	0.750398	0.947114
7.412	0.751381	0.750913	0.94781
7.501	0.751212	0.751351	0.948111
7.614	0.750649	0.751006	0.948226
7.7	0.750396	0.750995	0.948109
7.814	0.750306	0.751024	0.946725
7.901	0.750239	0.750996	0.946215
8.015	0.750568	0.750618	0.946108
8.1	0.751407	0.750306	0.946185
8.216	0.751407	0.750127	0.945376
8.301	0.751351	0.750311	0.945393
8.418	0.751257	0.750537	0.945278
8.501	0.751188	0.750737	0.945248
8.619	0.751146	0.750517	0.945156
8.7	0.750184	0.751018	0.945374
8.821	0.749782	0.751296	0.945451
8.9	0.749946	0.751486	0.945956

1m_1025nm

9.022	0.7502	0.751558	0.94769
9.101	0.750278	0.751492	0.948484
9.224	0.750158	0.751492	0.949072
9.3	0.750039	0.750429	0.949307
9.424	0.749653	0.750306	0.948835
9.501	0.749554	0.750178	0.948396
9.626	0.749435	0.750178	0.947926
9.7	0.749072	0.750875	0.947452
9.827	0.748839	0.750904	0.946558
9.9	0.748805	0.750825	0.945861
10.029	0.749227	0.750749	0.945458
10.101	0.749263	0.750939	0.944732
10.23	0.749563	0.750799	0.944004
10.3	0.750553	0.750367	0.943952
10.431	0.75108	0.750382	0.944135
10.5	0.75172	0.750523	0.944756
10.632	0.752079	0.750193	0.945479
10.701	0.752435	0.749665	0.945829
10.834	0.752223	0.749328	0.9452
10.9	0.751929	0.749209	0.944551
11.035	0.751677	0.749287	0.944151
11.1	0.751098	0.74939	0.943706
11.236	0.751143	0.749492	0.9437
11.3	0.750854	0.749917	0.943975
11.437	0.75061	0.749842	0.944713
11.5	0.750146	0.749786	0.944839
11.638	0.750047	0.749761	0.945473
11.701	0.750311	0.749439	0.945712
11.84	0.750508	0.748859	0.945781
11.9	0.750629	0.748811	0.946209
12.042	0.750693	0.748923	0.946654
12.1	0.749803	0.747981	0.946965
12.242	0.749738	0.747801	0.947403
12.301	0.749831	0.747795	0.947486
12.443	0.749616	0.74722	0.946831
12.5	0.749393	0.747149	0.946494
12.644	0.749744	0.747717	0.94583
12.701	0.750066	0.748092	0.945055
12.846	0.750271	0.74807	0.944132
12.901	0.750147	0.747666	0.94257
13.047	0.750943	0.747366	0.942407
13.1	0.751555	0.747561	0.94268
13.248	0.751856	0.747552	0.943187
13.301	0.751537	0.747506	0.943252
13.449	0.752155	0.747825	0.943067
13.5	0.752354	0.748018	0.942386
13.652	0.752339	0.748226	0.94223
13.7	0.751766	0.748677	0.942175
13.853	0.751707	0.749317	0.942175

1m_1025nm

13.901	0.751397	0.750455	0.941617
14.055	0.751478	0.750237	0.941447
14.1	0.751598	0.749907	0.94157
14.256	0.751697	0.750288	0.941919
14.3	0.751359	0.750141	0.94278
14.457	0.751074	0.750318	0.943334
14.501	0.750583	0.750113	0.943938
14.657	0.751056	0.749873	0.944291
14.7	0.750786	0.750024	0.945435
14.859	0.750488	0.749904	0.945435
14.901	0.749656	0.750301	0.94528
15	0.749763	0.749991	0.945117
15.1	0.749817	0.74964	0.945016
15.201	0.749832	0.748697	0.945016
15.3	0.749868	0.748859	0.94485
15.401	0.749924	0.749096	0.944765
15.501	0.750645	0.749277	0.944806
15.601	0.750832	0.749186	0.944806
15.7	0.75091	0.749344	0.944911
15.801	0.750921	0.749452	0.945327
15.9	0.750866	0.749508	0.945384
16.001	0.750499	0.750124	0.945384
16.1	0.750204	0.750248	0.945236
16.2	0.750377	0.749937	0.944942
16.301	0.750727	0.749306	0.944393
16.401	0.750797	0.749183	0.944393
16.501	0.750488	0.749284	0.944255
16.6	0.750551	0.74901	0.944044
16.7	0.750666	0.749119	0.943317
16.801	0.751116	0.748945	0.942804
16.901	0.751389	0.748136	0.942069
17	0.751847	0.748333	0.941629
17.1	0.752131	0.748263	0.941519
17.202	0.752196	0.748534	0.941753
17.3	0.752108	0.748794	0.942978
17.4	0.751668	0.749298	0.943409
17.501	0.751965	0.749232	0.944086
17.601	0.751767	0.749143	0.944833
17.701	0.751274	0.74875	0.945525
17.804	0.751631	0.748783	0.945278
17.901	0.752018	0.748657	0.945439
18.002	0.751918	0.748449	0.945858
18.101	0.751873	0.748342	0.944366
18.203	0.751994	0.748649	0.943783
18.3	0.751788	0.749442	0.94366
18.407	0.751587	0.749786	0.943399
18.5	0.751143	0.750271	0.94388
18.606	0.75126	0.749893	0.94388
18.7	0.751038	0.74967	0.943918

1m_1025nm

18.807	0.75085	0.749903	0.944137
18.901	0.75135	0.750159	0.94409
19.01	0.75185	0.750295	0.94409
19.101	0.7522	0.750024	0.943219
19.209	0.752364	0.750024	0.942749
19.301	0.752399	0.749524	0.942327
19.41	0.752561	0.749051	0.941829
19.501	0.752691	0.749173	0.941355
19.614	0.752458	0.749173	0.941451
19.7	0.752216	0.75022	0.941374
19.812	0.752285	0.749938	0.941509
19.9	0.752171	0.750299	0.94228
20.012	0.752356	0.750295	0.942746
20.1	0.75252	0.749832	0.942747
20.216	0.752023	0.749886	0.942952
20.3	0.751537	0.749599	0.942946
20.415	0.751203	0.749024	0.943375
20.501	0.751203	0.749119	0.943529
20.616	0.751294	0.749623	0.943843
20.701	0.751541	0.749615	0.944505
20.819	0.752195	0.749176	0.944797
20.901	0.752195	0.749575	0.945061
21.017	0.752071	0.74926	0.945304
21.101	0.752016	0.748925	0.94658
21.219	0.75198	0.748065	0.947143
21.3	0.751294	0.747799	0.947642
21.423	0.750484	0.747322	0.947966
21.5	0.750747	0.747322	0.947017
21.621	0.750725	0.74802	0.946269
21.702	0.750358	0.748285	0.944996
21.822	0.750346	0.748549	0.944247
21.903	0.750636	0.748549	0.944216
22.025	0.750854	0.748956	0.943607
22.104	0.750992	0.749229	0.943452
22.223	0.750776	0.749729	0.943299
22.305	0.750861	0.749729	0.943265
22.426	0.75133	0.749454	0.943175
22.507	0.751692	0.749298	0.943374
22.63	0.751407	0.749717	0.943739
22.707	0.751316	0.749717	0.943725
22.826	0.751529	0.749225	0.943811
22.909	0.751709	0.749388	0.944918
23.028	0.751816	0.749232	0.945109
23.11	0.75146	0.7494	0.94542
23.231	0.750823	0.749717	0.945745
23.312	0.750049	0.749804	0.946148
23.43	0.74991	0.74976	0.945957
23.513	0.749333	0.749688	0.945909
23.631	0.750013	0.750166	0.945864

1m_1025nm

23.714	0.750324	0.74993	0.945342
23.834	0.750524	0.749673	0.94497
23.914	0.750305	0.749499	0.945145
24.033	0.751182	0.748771	0.945662
24.118	0.751422	0.748631	0.945264
24.234	0.751511	0.748274	0.945302
24.319	0.751508	0.748047	0.945245
24.437	0.751135	0.748274	0.945189
24.52	0.75054	0.748274	0.944856
24.636	0.750058	0.74849	0.943798
24.72	0.749806	0.748396	0.943534
24.837	0.749756	0.748023	0.943621
24.923	0.750161	0.748023	0.943198
25.04	0.750511	0.748292	0.942757
25.123	0.750393	0.747768	0.942321
25.238	0.750727	0.747386	0.942392
25.326	0.750489	0.747386	0.942308
25.44	0.750261	0.747511	0.941993
25.526	0.750791	0.747488	0.94211
25.644	0.751002	0.747435	0.942292
25.727	0.751022	0.747435	0.942431
25.842	0.751607	0.747846	0.942097
25.928	0.75172	0.748163	0.941911
26.042	0.751483	0.748421	0.941911
26.131	0.751314	0.748421	0.941896
26.246	0.751257	0.74841	0.942052
26.331	0.751232	0.748376	0.942568
26.401	0.750268	0.748341	0.942568
26.532	0.750186	0.748309	0.943293
26.601	0.749937	0.748263	0.943317
26.733	0.749783	0.747916	0.9436
26.8	0.750046	0.747972	0.9436
26.935	0.75032	0.748427	0.943608
27	0.749902	0.748041	0.944097
27.135	0.750192	0.747368	0.944448
27.2	0.750195	0.74725	0.944742
27.338	0.750153	0.746985	0.945551
27.401	0.749535	0.746992	0.945872
27.538	0.749749	0.746843	0.945947
27.601	0.74967	0.746855	0.945863
27.74	0.749917	0.747262	0.946485
27.801	0.750034	0.746903	0.946174
27.941	0.750237	0.746941	0.946085
28.001	0.750692	0.747069	0.945868
28.143	0.750678	0.747517	0.945626
28.201	0.750446	0.748643	0.945457
28.343	0.7507	0.748643	0.945488
28.401	0.750584	0.748865	0.945831
28.546	0.750428	0.749134	0.94581

1m_1025nm

28.601	0.750585	0.748998	0.945668
28.745	0.750822	0.748998	0.945233
28.8	0.75095	0.749636	0.944454
28.947	0.750988	0.74976	0.943303
29	0.750603	0.749751	0.943303
29.148	0.750626	0.749668	0.942118
29.201	0.75005	0.749117	0.941884
29.35	0.750249	0.748757	0.941547
29.401	0.75074	0.748876	0.941547
29.55	0.75051	0.748712	0.941701
29.601	0.750279	0.749066	0.941238
29.753	0.75014	0.748838	0.940896
29.8	0.750343	0.748614	0.940795
29.953	0.749901	0.748481	0.941316
30.001	0.750233	0.748424	0.941659
30.155	0.749938	0.748777	0.941659
30.2	0.749488	0.748407	0.94179
30.356	0.749444	0.748375	0.941833
30.401	0.74947	0.747307	0.941625
30.557	0.749527	0.747423	0.941625
30.6	0.749389	0.747652	0.941899
30.759	0.749389	0.748183	0.942097
30.801	0.750309	0.748811	0.942453
30.96	0.750531	0.749231	0.942453
31.001	0.750945	0.749171	0.942958
31.16	0.751209	0.74901	0.943029
31.201	0.751284	0.748833	0.943601
31.363	0.751541	0.748832	0.943601
31.4	0.75138	0.748762	0.944621
31.564	0.751822	0.748698	0.944918
31.6	0.751985	0.748987	0.945804
31.766	0.752046	0.749083	0.945804
31.8	0.751423	0.749242	0.945214
31.966	0.750874	0.749317	0.944554
32.001	0.750397	0.749326	0.944948
32.168	0.750362	0.749631	0.944948
32.201	0.750386	0.74994	0.944532
32.369	0.750434	0.749933	0.944568
32.401	0.751462	0.750208	0.943979
32.572	0.751899	0.750398	0.943979
32.601	0.752097	0.750425	0.943095
32.772	0.752132	0.75068	0.943082
32.8	0.752322	0.750522	0.943181
32.973	0.752491	0.750638	0.943149
33	0.752207	0.751341	0.943304
33.174	0.752238	0.751436	0.943019
33.201	0.75223	0.750742	0.942927
33.377	0.752138	0.750785	0.942635
33.401	0.752121	0.750095	0.942241

1m_1025nm

33.577	0.751778	0.75005	0.942003
33.6	0.751165	0.750121	0.942046
33.778	0.751413	0.749864	0.942324
33.801	0.751383	0.749813	0.942424
33.98	0.751037	0.749663	0.942424
34	0.750779	0.749591	0.942871
34.181	0.750987	0.749251	0.943099
34.201	0.751297	0.749014	0.944122
34.381	0.751166	0.748933	0.944122
34.4	0.751006	0.748664	0.944728
34.5	0.750581	0.748813	0.945116
34.6	0.750761	0.749356	0.945656
34.701	0.750558	0.750035	0.945656
34.801	0.750386	0.750138	0.945637
34.901	0.750312	0.750486	0.945572
35	0.750091	0.750059	0.945269
35.1	0.750612	0.750271	0.945269
35.201	0.750703	0.750206	0.944508
35.3	0.750681	0.749409	0.944983
35.401	0.750632	0.748443	0.945738
35.501	0.749965	0.748179	0.945738
35.601	0.749775	0.748669	0.946361
35.7	0.750447	0.748749	0.946501
35.8	0.750719	0.74842	0.946279
35.901	0.750825	0.748497	0.946279
36	0.750811	0.748793	0.945474
36.101	0.751121	0.749222	0.945069
36.201	0.751363	0.749548	0.944495
36.301	0.751165	0.750051	0.944131
36.4	0.750535	0.750159	0.942762
36.501	0.750082	0.750219	0.942178
36.6	0.749856	0.749944	0.94177
36.7	0.749819	0.749352	0.94121
36.8	0.749819	0.749248	0.940248
36.9	0.749698	0.748752	0.94031
37.001	0.749698	0.748335	0.940297
37.1	0.75006	0.748401	0.940389
37.201	0.750497	0.748572	0.941325
37.301	0.75099	0.748843	0.94151
37.401	0.75099	0.748843	0.941611
37.5	0.751288	0.749298	0.941537
37.602	0.751444	0.749298	0.942434
37.703	0.751248	0.74974	0.942434
37.804	0.751248	0.749784	0.943335
37.901	0.751348	0.750099	0.943549
38.004	0.751377	0.749986	0.943128
38.103	0.751072	0.750251	0.943128
38.206	0.751072	0.750285	0.943367
38.307	0.750628	0.749929	0.943658

1m_1025nm

38.406	0.750628	0.750274	0.943522
38.505	0.750156	0.749918	0.943471
38.608	0.750156	0.750618	0.944457
38.706	0.750084	0.750507	0.944649
38.809	0.750084	0.750251	0.944814
38.909	0.749917	0.750508	0.945002
39.01	0.749917	0.750242	0.946237
39.108	0.750021	0.750315	0.946789
39.211	0.750021	0.751108	0.947174
39.309	0.750032	0.751345	0.947268
39.415	0.750032	0.751262	0.946954
39.513	0.750574	0.751486	0.946274
39.615	0.750574	0.75065	0.945851
39.711	0.7507	0.750064	0.945008
39.816	0.750475	0.750064	0.94436
39.912	0.750564	0.750103	0.94373
40.016	0.750564	0.750204	0.943748
40.116	0.750324	0.750211	0.943937
40.219	0.750565	0.750211	0.944704
40.315	0.750908	0.750481	0.945292
40.42	0.750908	0.750359	0.94568
40.515	0.750607	0.750487	0.945855
40.621	0.750643	0.750487	0.946408
40.718	0.750201	0.749382	0.94633
40.821	0.750201	0.749	0.945849
40.916	0.750322	0.749338	0.945289
41.022	0.750532	0.749338	0.944918
41.117	0.750504	0.749656	0.943872
41.224	0.750504	0.74941	0.943106
41.322	0.750412	0.749429	0.942778
41.425	0.750227	0.749429	0.942441
41.52	0.750786	0.74958	0.942614
41.626	0.751277	0.75013	0.942396
41.72	0.751043	0.749863	0.942154
41.828	0.750894	0.749861	0.942011
41.924	0.750794	0.749675	0.941861
42.028	0.750735	0.749818	0.941378
42.124	0.750621	0.749914	0.941535
42.23	0.750621	0.750293	0.941164
42.324	0.750584	0.750099	0.940898
42.431	0.750296	0.749985	0.940861
42.527	0.750399	0.749911	0.941264
42.632	0.750219	0.750203	0.941816
42.726	0.749995	0.749979	0.942515
42.834	0.749988	0.749879	0.943615
42.926	0.750681	0.749825	0.944747
43.035	0.75092	0.749803	0.945352
43.13	0.751537	0.749544	0.945527
43.237	0.751624	0.750126	0.945519

1m_1025nm

43.329	0.751943	0.750126	0.945651
43.438	0.752144	0.750456	0.94569
43.53	0.751627	0.75093	0.945617
43.638	0.751466	0.75093	0.945181
43.733	0.751631	0.750292	0.944216
43.84	0.751779	0.750244	0.943819
43.931	0.751516	0.750936	0.943316
44.04	0.75155	0.750936	0.942561
44.132	0.751301	0.751128	0.942162
44.244	0.751087	0.751098	0.942072
44.336	0.75059	0.75097	0.942108
44.443	0.750658	0.75097	0.942214
44.535	0.750811	0.750856	0.942651
44.645	0.750941	0.750815	0.942312
44.736	0.751409	0.750427	0.942273
44.846	0.751368	0.750427	0.942039
44.939	0.751581	0.75	0.941592
45.048	0.75175	0.749625	0.941115
45.138	0.752098	0.749552	0.941216
45.248	0.752268	0.749552	0.941213
45.34	0.752387	0.74941	0.941239
45.451	0.75308	0.74911	0.941506
45.544	0.753179	0.749239	0.941506
45.65	0.753041	0.749439	0.941981
45.742	0.752893	0.74912	0.943039
45.852	0.752763	0.748725	0.943039
45.943	0.752244	0.7488	0.944353
46.053	0.752244	0.748644	0.943857
46.1	0.751145	0.748786	0.943931
46.255	0.750614	0.748699	0.943931
46.3	0.749985	0.748672	0.943033
46.455	0.749643	0.749357	0.942292
46.5	0.749388	0.750252	0.941869
46.659	0.749676	0.750703	0.941869
46.7	0.750281	0.750634	0.942381
46.859	0.75043	0.750775	0.942044
46.901	0.750474	0.750262	0.942206
47.06	0.750497	0.750262	0.942206
47.101	0.750858	0.749952	0.943111
47.262	0.75049	0.749556	0.943668
47.3	0.749919	0.749116	0.944252
47.463	0.750181	0.749116	0.944252
47.5	0.749796	0.749106	0.943871
47.663	0.75012	0.749158	0.943235
47.7	0.750527	0.749005	0.942639
47.866	0.750841	0.749005	0.942639
47.901	0.751282	0.749316	0.942554
48.066	0.751888	0.750064	0.942507
48.101	0.752377	0.750924	0.942653

1m_1025nm

48.267	0.752677	0.750924	0.942647
48.3	0.752501	0.751547	0.942469
48.468	0.752903	0.751249	0.942359
48.501	0.752709	0.750575	0.942467
48.67	0.752531	0.750384	0.942591
48.701	0.751712	0.749749	0.943033
48.871	0.751396	0.749618	0.943148
48.901	0.751236	0.749581	0.943161
49.072	0.750875	0.75026	0.943433
49.1	0.751014	0.750805	0.943984
49.274	0.750892	0.750982	0.943984
49.3	0.750755	0.751101	0.944849
49.474	0.750773	0.751133	0.944836
49.5	0.75115	0.750713	0.944238
49.675	0.751136	0.750383	0.944238
49.7	0.75067	0.750188	0.944932
49.876	0.75067	0.750101	0.944744
49.901	0.750852	0.749833	0.945394
50.077	0.750967	0.749992	0.945394
50.1	0.751044	0.750123	0.946633
50.278	0.751088	0.749877	0.946693
50.301	0.750857	0.749485	0.946978
50.479	0.750659	0.749731	0.946978
50.5	0.750494	0.750053	0.947176
50.68	0.750416	0.750276	0.947387
50.7	0.750765	0.750061	0.946934
50.882	0.751403	0.749658	0.946934
50.901	0.751513	0.749658	0.946055
51.082	0.751788	0.749657	0.945379
51.101	0.751685	0.74968	0.94443
51.283	0.751728	0.749713	0.94443
51.3	0.751795	0.749774	0.944255
51.484	0.75182	0.749465	0.945108
51.501	0.750841	0.74922	0.946201
51.685	0.750732	0.749433	0.946201
51.701	0.750455	0.749241	0.947318
51.886	0.750277	0.749528	0.947395
51.9	0.750241	0.74946	0.947475
52.087	0.74997	0.749357	0.947613
52.1	0.749447	0.749542	0.947745
52.288	0.749453	0.749753	0.947462
52.301	0.749518	0.749941	0.947316
52.489	0.74946	0.750043	0.94692
52.501	0.749403	0.750069	0.94547
52.69	0.749403	0.750042	0.944941
52.7	0.749117	0.75001	0.944249
52.891	0.749188	0.749314	0.943711
52.9	0.749481	0.749332	0.943107
53.092	0.749691	0.74925	0.943107

1m_1025nm

53.101	0.750147	0.749218	0.943326
53.293	0.750898	0.748561	0.943758
53.3	0.750475	0.748725	0.944437
53.494	0.750749	0.74866	0.944437
53.503	0.751032	0.749003	0.945252
53.695	0.751511	0.749308	0.945427
53.704	0.751893	0.749827	0.94491
53.896	0.751854	0.750074	0.94491
53.906	0.752084	0.750231	0.944094
54.097	0.752228	0.750286	0.944239
54.105	0.75185	0.75027	0.944396
54.298	0.751484	0.750153	0.944396
54.307	0.750578	0.749427	0.943806
54.499	0.750248	0.749178	0.94375
54.509	0.749901	0.749132	0.943952
54.6	0.749387	0.749165	0.943952
54.703	0.749406	0.748745	0.943866
54.8	0.749577	0.748721	0.943524
54.901	0.75024	0.748721	0.943189
55	0.750616	0.749295	0.943189
55.102	0.750616	0.749295	0.94367
55.201	0.750919	0.748978	0.943925
55.303	0.750919	0.748978	0.944225
55.401	0.751141	0.748462	0.944863
55.504	0.751141	0.748462	0.945524
55.601	0.75084	0.748236	0.945124
55.705	0.75084	0.748236	0.944983
55.801	0.750618	0.748484	0.944617
55.906	0.750618	0.748484	0.943333
56.001	0.749982	0.748245	0.942755
56.107	0.749982	0.748245	0.94292
56.2	0.750073	0.74873	0.942773
56.308	0.750073	0.74873	0.942634
56.4	0.750038	0.749559	0.942817
56.509	0.750038	0.749559	0.943193
56.6	0.750102	0.749593	0.94334
56.71	0.749807	0.749593	0.942862
56.801	0.749735	0.749492	0.942862
56.911	0.749735	0.749492	0.942043
57	0.749532	0.749539	0.941706
57.112	0.749505	0.749622	0.941037
57.201	0.749825	0.75	0.941037
57.314	0.749825	0.750243	0.941254
57.402	0.750392	0.750012	0.941069
57.514	0.750392	0.750012	0.94105
57.604	0.750238	0.750085	0.94105
57.715	0.750238	0.749779	0.941689
57.802	0.751062	0.749507	0.941903
57.916	0.751062	0.749677	0.941996

1m_1025nm

58.003	0.750002	0.748732	0.942182
58.117	0.750002	0.748453	0.942487
58.207	0.749888	0.74809	0.942588
58.318	0.749888	0.747897	0.943094
58.404	0.750217	0.748194	0.943457
58.519	0.750217	0.748194	0.944809
58.605	0.750739	0.749448	0.945215
58.72	0.750739	0.749161	0.945216
58.81	0.75016	0.749635	0.945045
58.921	0.75016	0.749635	0.944434
59.008	0.750267	0.749467	0.944554
59.122	0.750267	0.749514	0.944719
59.208	0.750317	0.749975	0.944941
59.323	0.75032	0.749975	0.944894
59.412	0.750644	0.750097	0.94441
59.524	0.750644	0.749901	0.943574
59.611	0.751029	0.749863	0.942842
59.725	0.751057	0.749863	0.94094
59.812	0.751243	0.750134	0.940344
59.926	0.751243	0.750488	0.9403
60.017	0.751237	0.750227	0.940349

1m_1025nm

Power Deviation (W)

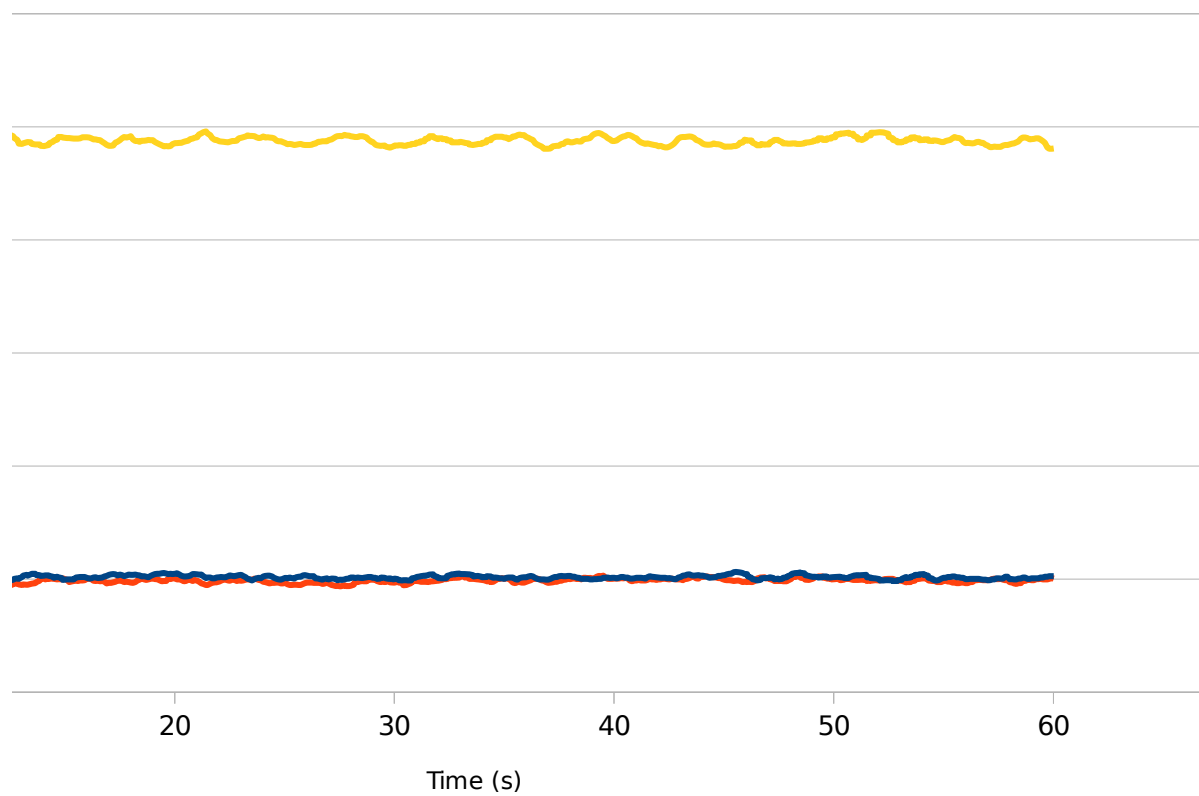
Percentage Deviation

0.09148935

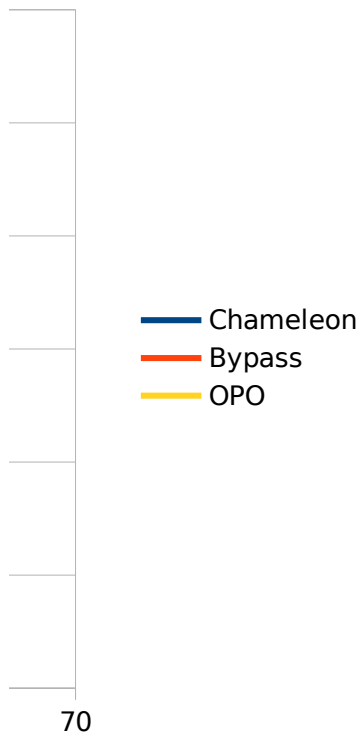
0.11639106

0.17538736

1025nm



1m_1025nm

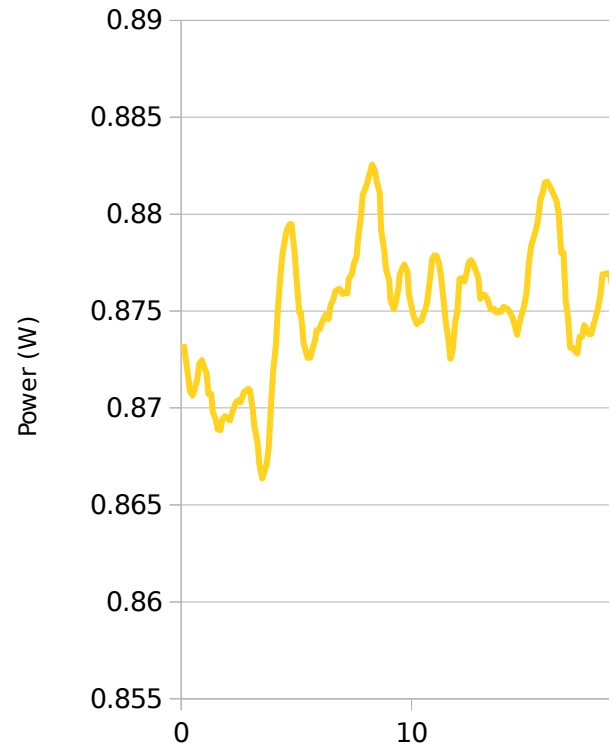


1m_1030nm

Name: UP19K-30H-H5
 Serial Number: 219419
 Units: W
 Wavelength: 1030 nm
 Sample Rate: 10/sec
 Total Duration: 00:00:01:00
 Time (s) Power (W)

OPO
 Average Power (W) 0.8780398353
 Average Pow 0.00305687

0.107	0.873303
0.188	0.872675
0.311	0.871667
0.387	0.870866
0.509	0.870642
0.587	0.87095
0.709	0.871504
0.787	0.872283
0.914	0.87247
0.988	0.872167
1.112	0.871757
1.188	0.870727
1.313	0.870727
1.387	0.869787
1.516	0.869345
1.588	0.868894
1.714	0.86887
1.787	0.869404
1.915	0.869585
1.987	0.869451
2.12	0.869358
2.188	0.869665
2.318	0.870092
2.387	0.87031
2.519	0.870411
2.587	0.870302
2.722	0.870814
2.788	0.870879
2.921	0.871
2.989	0.870917
3.122	0.869884
3.191	0.86902
3.325	0.868181
3.391	0.867137
3.524	0.866369
3.593	0.866608
3.724	0.86713
3.794	0.867897
3.928	0.870612
3.995	0.871889
4.127	0.873314



1m_1030nm

4.197	0.874986
4.328	0.876912
4.399	0.877927
4.531	0.878807
4.599	0.87921
4.73	0.87949
4.8	0.87949
4.93	0.87797
5.002	0.876787
5.135	0.874927
5.203	0.874927
5.333	0.873305
5.404	0.872965
5.487	0.8726
5.605	0.872598
5.688	0.872971
5.807	0.873483
5.887	0.874013
6.008	0.874058
6.088	0.874348
6.209	0.874641
6.288	0.874822
6.41	0.874589
6.487	0.87528
6.611	0.875608
6.688	0.876036
6.812	0.876116
6.887	0.876145
7.014	0.875889
7.087	0.875977
7.216	0.875914
7.288	0.876674
7.416	0.876897
7.487	0.877392
7.617	0.877839
7.688	0.878778
7.819	0.879985
7.888	0.880998
8.02	0.881403
8.087	0.881672
8.222	0.882249
8.288	0.882554
8.423	0.882237
8.487	0.881715
8.624	0.881096
8.688	0.879174
8.825	0.878093
8.888	0.877182
9.026	0.876581

1m_1030nm

9.087	0.87559
9.228	0.875121
9.288	0.875263
9.429	0.876191
9.487	0.876896
9.629	0.877282
9.688	0.877405
9.831	0.87699
9.888	0.875872
10.033	0.875059
10.087	0.874769
10.234	0.874331
10.288	0.874424
10.435	0.874525
10.488	0.874722
10.636	0.875243
10.688	0.875519
10.837	0.876963
10.888	0.877658
10.988	0.877886
11.088	0.87787
11.188	0.877446
11.287	0.876733
11.387	0.875594
11.487	0.874377
11.588	0.87367
11.688	0.872546
11.788	0.873055
11.888	0.874384
11.988	0.874984
12.087	0.87667
12.187	0.876692
12.288	0.876524
12.387	0.876934
12.488	0.877528
12.587	0.877627
12.688	0.87744
12.788	0.877063
12.888	0.876752
12.987	0.875629
13.087	0.875839
13.187	0.875826
13.287	0.875643
13.388	0.875235
13.488	0.875068
13.587	0.875113
13.688	0.874917
13.787	0.875016
13.888	0.874961

1m_1030nm

13.988	0.875225
14.088	0.87517
14.187	0.875088
14.288	0.874895
14.388	0.874649
14.488	0.874203
14.587	0.873773
14.687	0.874418
14.787	0.87488
14.887	0.875248
14.987	0.8759
15.088	0.877474
15.188	0.878384
15.287	0.87874
15.387	0.879183
15.488	0.879652
15.588	0.880718
15.688	0.881123
15.787	0.881635
15.887	0.88167
15.988	0.881449
16.088	0.88122
16.187	0.880958
16.287	0.880674
16.387	0.879981
16.488	0.878008
16.591	0.878008
16.688	0.875595
16.79	0.874624
16.887	0.873122
16.991	0.873122
17.088	0.872943
17.195	0.872815
17.287	0.873675
17.392	0.873675
17.487	0.874273
17.594	0.8741
17.688	0.873819
17.798	0.873819
17.887	0.87426
17.995	0.874711
18.088	0.875151
18.197	0.87587
18.288	0.876906
18.4	0.876899
18.487	0.876956
18.599	0.876944
18.688	0.876375
18.8	0.875813

1m_1030nm

18.887	0.875235
19.003	0.874587
19.088	0.874656
19.202	0.87467
19.29	0.874339
19.403	0.874568
19.491	0.874407
19.606	0.87478
19.693	0.87478
19.805	0.875263
19.894	0.875178
20.006	0.87589
20.094	0.87589
20.21	0.876667
20.296	0.876468
20.408	0.876173
20.498	0.87579
20.608	0.875667
20.698	0.875693
20.812	0.875532
20.9	0.875396
21.011	0.875299
21.1	0.875303
21.212	0.875621
21.302	0.875881
21.415	0.876488
21.503	0.876212
21.614	0.875452
21.705	0.874881
21.814	0.874344
21.906	0.874547
22.017	0.874501
22.107	0.874608
22.217	0.873585
22.309	0.873274
22.418	0.873071
22.511	0.873781
22.621	0.874459
22.711	0.874644
22.819	0.874913
22.912	0.874938
23.021	0.875373
23.113	0.875149
23.225	0.874611
23.315	0.87436
23.423	0.8748
23.517	0.8748
23.624	0.875615
23.718	0.87566

1m_1030nm

23.828	0.876702
23.92	0.876702
24.026	0.876488
24.12	0.876702
24.227	0.876992
24.323	0.877582
24.43	0.877654
24.522	0.877884
24.629	0.877555
24.725	0.877634
24.829	0.878018
24.926	0.87835
25.033	0.878803
25.126	0.879489
25.232	0.880231
25.328	0.880488
25.387	0.880404
25.529	0.880338
25.587	0.88044
25.73	0.880272
25.787	0.880534
25.932	0.880423
25.987	0.880011
26.134	0.879838
26.188	0.879149
26.334	0.878171
26.387	0.877122
26.535	0.876831
26.588	0.876457
26.737	0.876295
26.787	0.876346
26.937	0.876286
26.988	0.87687
27.139	0.87696
27.188	0.877103
27.341	0.877377
27.387	0.876638
27.541	0.876156
27.587	0.875875
27.742	0.875344
27.787	0.874985
27.944	0.875086
27.987	0.875066
28.146	0.87494
28.187	0.875089
28.347	0.875301
28.388	0.875171
28.547	0.875353
28.588	0.875574

1m_1030nm

28.749	0.875418
28.788	0.876166
28.95	0.876653
28.987	0.87735
29.152	0.877638
29.187	0.877453
29.352	0.877193
29.387	0.876973
29.554	0.876992
29.587	0.876839
29.756	0.876996
29.787	0.87699
29.956	0.876977
29.987	0.876699
30.157	0.876818
30.188	0.877266
30.358	0.877964
30.387	0.878618
30.561	0.878966
30.587	0.879353
30.688	0.880608
30.787	0.8812
30.888	0.882036
30.988	0.882315
31.087	0.882534
31.188	0.882355
31.288	0.882115
31.388	0.881674
31.487	0.881284
31.587	0.880422
31.687	0.88
31.788	0.880015
31.888	0.880121
31.988	0.880424
32.088	0.880724
32.188	0.880767
32.287	0.880876
32.387	0.881386
32.488	0.882293
32.587	0.882001
32.687	0.881959
32.787	0.881788
32.888	0.881493
32.988	0.880955
33.088	0.880837
33.188	0.881454
33.288	0.882025
33.388	0.881639
33.487	0.881384

1m_1030nm

33.587	0.881392
33.688	0.881743
33.787	0.882303
33.888	0.883347
33.988	0.884089
34.087	0.884706
34.187	0.884943
34.288	0.884473
34.387	0.884159
34.487	0.884232
34.588	0.885009
34.688	0.88521
34.787	0.88521
34.888	0.885522
34.988	0.885522
35.087	0.884325
35.189	0.884325
35.287	0.883016
35.391	0.883016
35.487	0.881458
35.592	0.881458
35.688	0.880429
35.792	0.880429
35.888	0.879039
35.994	0.879099
36.087	0.879173
36.195	0.879173
36.287	0.879469
36.397	0.879752
36.491	0.879996
36.598	0.879737
36.689	0.88013
36.799	0.880097
36.89	0.880331
37	0.879946
37.093	0.880891
37.201	0.881093
37.291	0.881165
37.403	0.881012
37.493	0.880361
37.603	0.87985
37.697	0.878896
37.805	0.878266
37.895	0.877478
38.007	0.877491
38.096	0.877491
38.209	0.877573
38.3	0.878295
38.409	0.878631

1m_1030nm

38.498	0.87929
38.611	0.879763
38.699	0.880631
38.812	0.880631
38.902	0.88213
39.014	0.881945
39.101	0.881937
39.215	0.881734
39.302	0.880841
39.417	0.880616
39.506	0.880398
39.617	0.880411
39.704	0.880087
39.819	0.87978
39.905	0.88019
40.021	0.880449
40.108	0.88063
40.221	0.880336
40.307	0.879933
40.422	0.879372
40.508	0.878232
40.623	0.87773
40.712	0.877168
40.824	0.876751
40.91	0.876081
41.027	0.876385
41.111	0.877319
41.228	0.877789
41.315	0.879749
41.429	0.879866
41.512	0.879298
41.629	0.878622
41.714	0.877257
41.83	0.876795
41.918	0.876447
42.032	0.876174
42.116	0.875589
42.233	0.875278
42.317	0.87518
42.436	0.875099
42.521	0.87606
42.636	0.87606
42.719	0.876214
42.837	0.876772
42.92	0.877509
43.038	0.878431
43.123	0.880263
43.239	0.880476
43.322	0.881593

1m_1030nm

43.441	0.882027
43.523	0.882838
43.643	0.883052
43.727	0.883176
43.843	0.883389
43.925	0.883117
44.045	0.883523
44.126	0.883475
44.246	0.883404
44.33	0.882402
44.447	0.882429
44.528	0.882082
44.649	0.881174
44.729	0.880233
44.85	0.87943
44.933	0.879434
45.051	0.879371
45.131	0.878443
45.252	0.878213
45.332	0.878306
45.454	0.878361
45.487	0.879285
45.656	0.880117
45.688	0.880549
45.855	0.880869
45.888	0.881415
46.058	0.881512
46.087	0.881371
46.259	0.881491
46.288	0.881127
46.461	0.881225
46.488	0.880516
46.662	0.880568
46.688	0.88108
46.863	0.881778
46.888	0.883075
47.064	0.883312
47.088	0.883461
47.266	0.883901
47.287	0.883505
47.466	0.882875
47.488	0.882949
47.668	0.883251
47.687	0.883443
47.869	0.883354
47.888	0.883305
48.07	0.883701
48.088	0.88451
48.271	0.884954

1m_1030nm

48.288	0.885355
48.472	0.885518
48.487	0.885897
48.674	0.885848
48.688	0.885563
48.875	0.885128
48.888	0.885235
49.076	0.884567
49.087	0.884318
49.277	0.883948
49.288	0.88371
49.48	0.883347
49.488	0.883035
49.68	0.882847
49.687	0.882803
49.882	0.882526
49.887	0.882002
50.082	0.881218
50.087	0.880161
50.284	0.879708
50.287	0.878835
50.388	0.878296
50.489	0.878134
50.588	0.877653
50.688	0.878213
50.788	0.878554
50.888	0.878554
50.988	0.879564
51.088	0.879564
51.187	0.881235
51.289	0.881235
51.387	0.882871
51.493	0.882871
51.587	0.88485
51.692	0.88485
51.788	0.885551
51.893	0.885551
51.998	0.885574
52.101	0.885371
52.187	0.884198
52.302	0.884198
52.424	0.882208
52.531	0.881806
52.634	0.881294
52.757	0.880548
52.82	0.880304
52.955	0.879955
53.014	0.879251
53.157	0.878923

1m_1030nm

53.215	0.87857
53.357	0.878006
53.418	0.877293
53.56	0.876665
53.616	0.876373
53.761	0.875649
53.818	0.875243
53.962	0.875301
54.021	0.875336
54.163	0.875323
54.22	0.875885
54.364	0.876776
54.421	0.876854
54.565	0.877363
54.624	0.877768
54.766	0.877882
54.822	0.877579
54.967	0.877517
55.024	0.878118
55.168	0.879865
55.228	0.880728
55.369	0.881263
55.426	0.881862
55.57	0.882116
55.626	0.882247
55.771	0.881975
55.83	0.880928
55.972	0.880657
56.029	0.880408
56.173	0.880236
56.23	0.880602
56.374	0.881071
56.433	0.881723
56.575	0.881468
56.631	0.881023
56.776	0.880533
56.787	0.879521
56.977	0.879056
56.988	0.878353
57.178	0.878086
57.188	0.877943
57.38	0.877905
57.388	0.877941
57.58	0.87819
57.587	0.877988
57.781	0.877056
57.789	0.876532
57.982	0.876305
57.989	0.876011

1m_1030nm

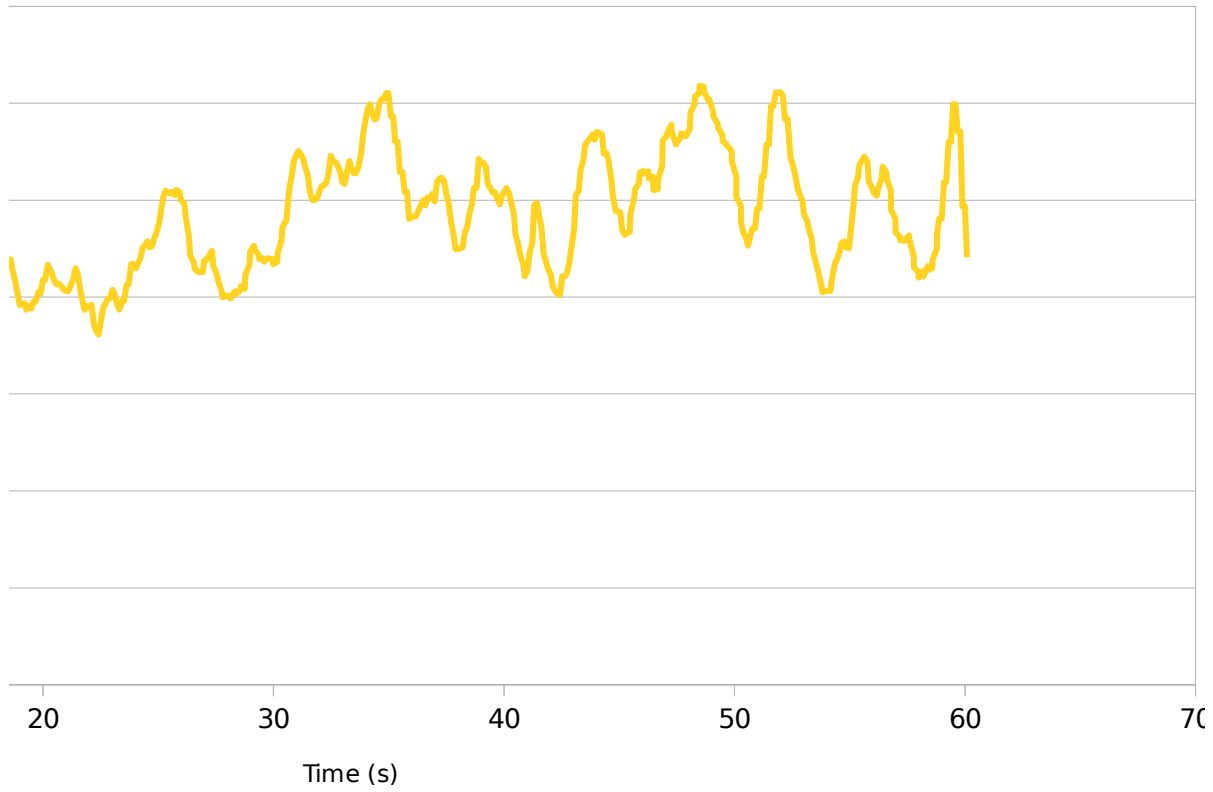
58.183	0.876354
58.191	0.876059
58.384	0.876603
58.392	0.87641
58.585	0.876483
58.593	0.876946
58.786	0.877497
58.793	0.878306
58.888	0.879054
58.988	0.879054
59.088	0.880926
59.189	0.880926
59.288	0.883013
59.389	0.883013
59.487	0.884942
59.59	0.884942
59.688	0.88353
59.791	0.88353
59.888	0.879673
59.992	0.879673
60.087	0.877054

1m_1030nm

Power Deviation (W)

Percentage Deviation
0.34814721

1030nm



1m_1030nm

 OPO

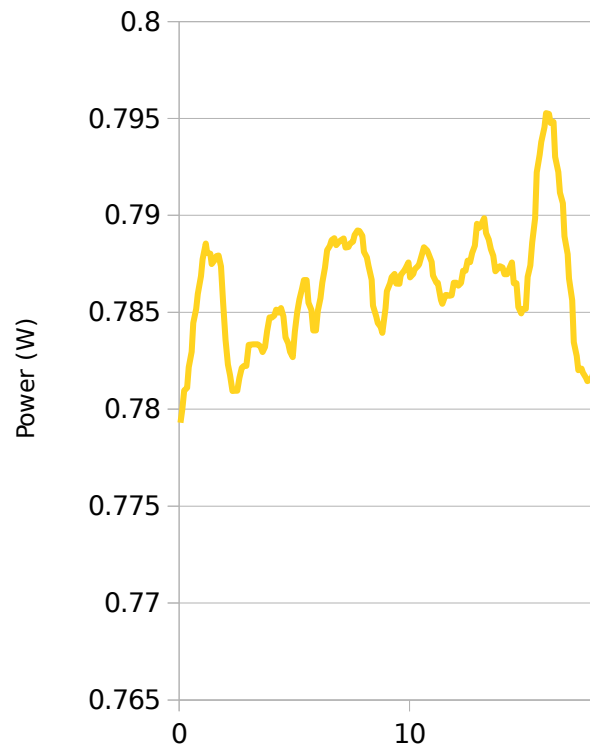
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1m_1040nm

Name: UP19K-30H-H5
Serial Number: 219419
Units: W
Wavelength: 1040 nm
Sample Rate: 10/sec
Total Duration: 00:00:01:00

OPO
Average Power (W) Average Pow
0.7858186705 0.00209624

Time (s)	Power (W)
OPO	
0.062	0.779302
0.148	0.780002
0.222	0.780962
0.35	0.781108
0.421	0.782173
0.553	0.78296
0.622	0.784449
0.754	0.785178
0.821	0.785944
0.956	0.786866
1.021	0.78774
1.158	0.788549
1.221	0.788067
1.359	0.788032
1.422	0.787496
1.561	0.787718
1.621	0.787908
1.722	0.787929
1.821	0.787369
1.921	0.785479
2.021	0.783584
2.122	0.782306
2.221	0.781748
2.324	0.780935
2.421	0.780951
2.522	0.780951
2.622	0.781613
2.722	0.782134
2.821	0.782232
2.926	0.782232
3.021	0.783322
3.124	0.783337
3.222	0.783347
3.326	0.783347
3.421	0.783353
3.53	0.783238
3.622	0.782956
3.728	0.783204
3.822	0.784044
3.929	0.784738
4.021	0.784729



1m_1040nm

4.132	0.784834
4.222	0.785132
4.33	0.784989
4.421	0.785224
4.532	0.7848
4.622	0.783704
4.735	0.783406
4.822	0.78296
4.934	0.78269
5.021	0.784008
5.135	0.785022
5.221	0.785664
5.338	0.786231
5.422	0.78666
5.536	0.78666
5.621	0.785503
5.738	0.785128
5.822	0.784065
5.941	0.784065
6.021	0.785069
6.14	0.785736
6.221	0.786538
6.34	0.787309
6.421	0.7882
6.544	0.788421
6.621	0.788727
6.743	0.788827
6.821	0.788473
6.944	0.788646
7.022	0.78871
7.147	0.788808
7.221	0.788345
7.345	0.788374
7.422	0.788545
7.547	0.788642
7.621	0.78899
7.75	0.789218
7.822	0.7892
7.949	0.788945
8.022	0.788119
8.149	0.787836
8.221	0.787404
8.353	0.786683
8.422	0.78534
8.552	0.784797
8.621	0.784451
8.753	0.784238
8.821	0.783944
8.956	0.785208

1m_1040nm

9.022	0.786087
9.155	0.786504
9.221	0.78682
9.355	0.78698
9.422	0.786492
9.559	0.786478
9.621	0.786924
9.758	0.787131
9.821	0.787264
9.959	0.787578
10.021	0.786801
10.162	0.786988
10.221	0.78721
10.36	0.787378
10.422	0.787482
10.562	0.788112
10.622	0.788353
10.765	0.788189
10.822	0.788029
10.964	0.787601
11.022	0.786901
11.165	0.786528
11.222	0.786528
11.368	0.785632
11.423	0.785437
11.566	0.785896
11.623	0.785896
11.722	0.785858
11.825	0.785881
11.922	0.786528
12.026	0.786528
12.121	0.786373
12.227	0.786516
12.322	0.78715
12.429	0.78715
12.522	0.78767
12.631	0.787581
12.722	0.788068
12.832	0.788439
12.922	0.78957
13.032	0.789355
13.121	0.789563
13.234	0.789848
13.322	0.789084
13.435	0.788748
13.522	0.788258
13.636	0.787915
13.721	0.787111
13.837	0.787267

1m_1040nm

13.922	0.787375
14.038	0.787311
14.121	0.786963
14.24	0.786963
14.322	0.787252
14.441	0.787568
14.522	0.786497
14.643	0.786497
14.722	0.785278
14.844	0.784949
14.922	0.785184
15.045	0.785184
15.122	0.786827
15.246	0.787422
15.322	0.788608
15.448	0.789851
15.522	0.792219
15.649	0.793126
15.722	0.793789
15.849	0.794544
15.922	0.795271
16.051	0.795232
16.121	0.794763
16.252	0.794817
16.321	0.793014
16.453	0.792237
16.522	0.79118
16.655	0.790628
16.722	0.788924
16.855	0.787992
16.922	0.786748
17.056	0.785617
17.121	0.783458
17.258	0.782737
17.321	0.782003
17.459	0.782095
17.522	0.781891
17.661	0.78162
17.722	0.781452
17.862	0.781549
17.921	0.781676
18.063	0.782205
18.122	0.783859
18.265	0.784869
18.321	0.786101
18.466	0.787014
18.521	0.788012
18.668	0.788724
18.722	0.788856

1m_1040nm

18.868	0.789146
18.921	0.788587
19.069	0.787955
19.122	0.787592
19.271	0.787378
19.321	0.788214
19.472	0.788226
19.521	0.787702
19.673	0.787392
19.722	0.787426
19.874	0.787761
19.921	0.787715
20.075	0.787298
20.122	0.786063
20.277	0.785284
20.322	0.784409
20.479	0.784086
20.521	0.783649
20.68	0.782706
20.722	0.783004
20.881	0.783272
20.921	0.783976
21.082	0.784403
21.122	0.78434
21.284	0.784584
21.322	0.784814
21.421	0.784513
21.522	0.784646
21.621	0.784646
21.721	0.784369
21.822	0.78435
21.922	0.783612
22.022	0.783449
22.121	0.783301
22.223	0.783556
22.322	0.783907
22.422	0.783907
22.522	0.784582
22.623	0.785087
22.721	0.785136
22.826	0.785494
22.922	0.786389
23.025	0.786808
23.121	0.787277
23.225	0.787792
23.321	0.787831
23.43	0.787532
23.522	0.787281
23.627	0.787227

1m_1040nm

23.722	0.786856
23.828	0.786869
23.921	0.786746
24.032	0.786477
24.121	0.787689
24.231	0.788393
24.321	0.788601
24.432	0.788414
24.522	0.787515
24.636	0.787515
24.722	0.785661
24.833	0.784236
24.922	0.782174
25.034	0.782174
25.121	0.780122
25.238	0.779215
25.321	0.778903
25.437	0.778452
25.521	0.777666
25.638	0.777934
25.722	0.777915
25.841	0.778317
25.922	0.779788
26.04	0.781174
26.121	0.782462
26.241	0.783359
26.322	0.78509
26.445	0.78581
26.521	0.785933
26.644	0.785597
26.721	0.784936
26.844	0.784597
26.922	0.784456
27.047	0.784659
27.121	0.784659
27.246	0.785459
27.322	0.785459
27.447	0.787365
27.524	0.787678
27.65	0.78828
27.724	0.78828
27.849	0.787586
27.926	0.786798
28.049	0.785823
28.128	0.785823
28.253	0.785186
28.328	0.785307
28.452	0.785312
28.529	0.78576

1m_1040nm

28.652	0.785921
28.731	0.785969
28.856	0.786012
28.932	0.786328
29.054	0.787921
29.133	0.788169
29.256	0.788566
29.334	0.788906
29.459	0.789428
29.535	0.789428
29.658	0.789631
29.737	0.789029
29.858	0.788094
29.939	0.788094
30.063	0.78639
30.139	0.785866
30.26	0.784076
30.341	0.784076
30.462	0.782663
30.543	0.782538
30.665	0.782662
30.744	0.782662
30.864	0.782921
30.945	0.783125
31.065	0.783652
31.147	0.783652
31.268	0.783787
31.347	0.783659
31.421	0.783758
31.548	0.783758
31.621	0.783225
31.75	0.783454
31.821	0.783712
31.951	0.783896
32.022	0.784476
32.152	0.784527
32.221	0.784188
32.354	0.78419
32.422	0.784867
32.555	0.785633
32.621	0.786124
32.757	0.78676
32.821	0.787171
32.958	0.787216
33.021	0.787007
33.16	0.786306
33.222	0.784536
33.36	0.784536
33.421	0.783166

1m_1040nm

33.562	0.783271
33.622	0.784709
33.763	0.784709
33.822	0.786242
33.964	0.787045
34.022	0.786925
34.166	0.786925
34.222	0.785836
34.366	0.785165
34.421	0.784702
34.568	0.78463
34.621	0.784673
34.769	0.784525
34.822	0.784108
34.971	0.783982
35.021	0.784237
35.173	0.784455
35.222	0.78401
35.373	0.783628
35.422	0.782453
35.574	0.782358
35.621	0.782163
35.775	0.782398
35.822	0.783061
35.976	0.783332
36.021	0.783379
36.178	0.782927
36.222	0.781857
36.379	0.781256
36.421	0.780916
36.58	0.780838
36.621	0.780543
36.782	0.780898
36.821	0.780969
36.982	0.781458
37.021	0.781879
37.185	0.782589
37.222	0.784079
37.385	0.784279
37.422	0.784887
37.586	0.78541
37.621	0.786216
37.788	0.787004
37.821	0.787972
37.989	0.788907
38.022	0.790226
38.19	0.790243
38.221	0.790126
38.392	0.789407

1m_1040nm

38.421	0.787522
38.592	0.786803
38.621	0.786199
38.794	0.78661
38.821	0.787651
38.995	0.787103
39.021	0.786556
39.196	0.786072
39.221	0.784202
39.397	0.783329
39.422	0.783073
39.599	0.782856
39.622	0.7827
39.799	0.783729
39.822	0.784157
40.001	0.783965
40.022	0.783461
40.203	0.783439
40.222	0.78335
40.404	0.783143
40.422	0.782886
40.606	0.783429
40.621	0.783568
40.807	0.78366
40.822	0.783721
40.922	0.783313
41.022	0.782257
41.121	0.781628
41.222	0.781446
41.322	0.781048
41.422	0.781104
41.521	0.78173
41.622	0.782569
41.721	0.784197
41.822	0.787463
41.921	0.788072
42.021	0.788002
42.122	0.787806
42.222	0.787211
42.322	0.785645
42.421	0.785047
42.522	0.784563
42.621	0.783846
42.726	0.783838
42.822	0.783391
42.924	0.782903
43.021	0.782903
43.125	0.783168
43.222	0.783288

1m_1040nm

43.328	0.784
43.423	0.784426
43.527	0.7844
43.624	0.784307
43.727	0.785017
43.826	0.785893
43.932	0.78703
44.027	0.787332
44.13	0.787842
44.229	0.788096
44.331	0.78848
44.43	0.788235
44.535	0.788225
44.631	0.788185
44.732	0.786424
44.831	0.786424
44.934	0.784
45.034	0.783294
45.138	0.78229
45.234	0.78229
45.336	0.781785
45.436	0.782312
45.537	0.782717
45.636	0.782717
45.74	0.78279
45.837	0.783144
45.938	0.784329
46.039	0.784329
46.14	0.784989
46.24	0.785133
46.344	0.785098
46.442	0.785098
46.542	0.786067
46.644	0.786136
46.743	0.786362
46.845	0.786362
46.946	0.786791
47.045	0.787398
47.145	0.787462
47.247	0.787765
47.346	0.786952
47.448	0.786686
47.55	0.78669
47.65	0.786872
47.748	0.788051
47.851	0.788236
47.949	0.788743
48.052	0.789045
48.152	0.788304

1m_1040nm

48.254	0.787878
48.351	0.787478
48.455	0.786624
48.552	0.785049
48.658	0.785049
48.756	0.783886
48.858	0.783349
48.954	0.782955
49.059	0.782955
49.154	0.783164
49.259	0.783573
49.359	0.783758
49.46	0.783758
49.556	0.783658
49.662	0.783857
49.758	0.784081
49.863	0.784081
49.961	0.78499
50.065	0.784958
50.159	0.785831
50.265	0.785831
50.361	0.786737
50.467	0.787834
50.565	0.789469
50.669	0.789469
50.764	0.790475
50.869	0.790932
50.963	0.790922
51.07	0.790817
51.168	0.790344
51.272	0.789937
51.367	0.789698
51.473	0.789523
51.567	0.7887
51.675	0.788162
51.722	0.787985
51.876	0.787969
51.921	0.787391
52.077	0.786913
52.121	0.786337
52.278	0.786175
52.321	0.785953
52.48	0.785953
52.521	0.786554
52.681	0.78635
52.721	0.785785
52.882	0.785785
52.921	0.785214
53.083	0.784883

1m_1040nm

53.121	0.785076
53.284	0.785076
53.322	0.785189
53.485	0.785421
53.522	0.786439
53.686	0.786439
53.722	0.788307
53.887	0.789113
53.922	0.789762
54.088	0.790168
54.122	0.790405
54.289	0.789954
54.322	0.788707
54.49	0.787124
54.521	0.785707
54.691	0.785381
54.722	0.785151
54.892	0.785264
54.921	0.785704
55.093	0.785746
55.121	0.785929
55.294	0.786104
55.321	0.785905
55.495	0.785783
55.522	0.785294
55.696	0.785104
55.722	0.785393
55.898	0.785672
55.922	0.785919
56.098	0.786074
56.121	0.786303
56.299	0.7866
56.322	0.786995
56.5	0.786805
56.521	0.786581
56.701	0.786717
56.721	0.787493
56.902	0.78765
56.921	0.787939
57.104	0.787946
57.121	0.787302
57.304	0.786707
57.321	0.786445
57.505	0.786213
57.521	0.786375
57.706	0.786646
57.722	0.786821
57.908	0.787061
57.922	0.787545

1m_1040nm

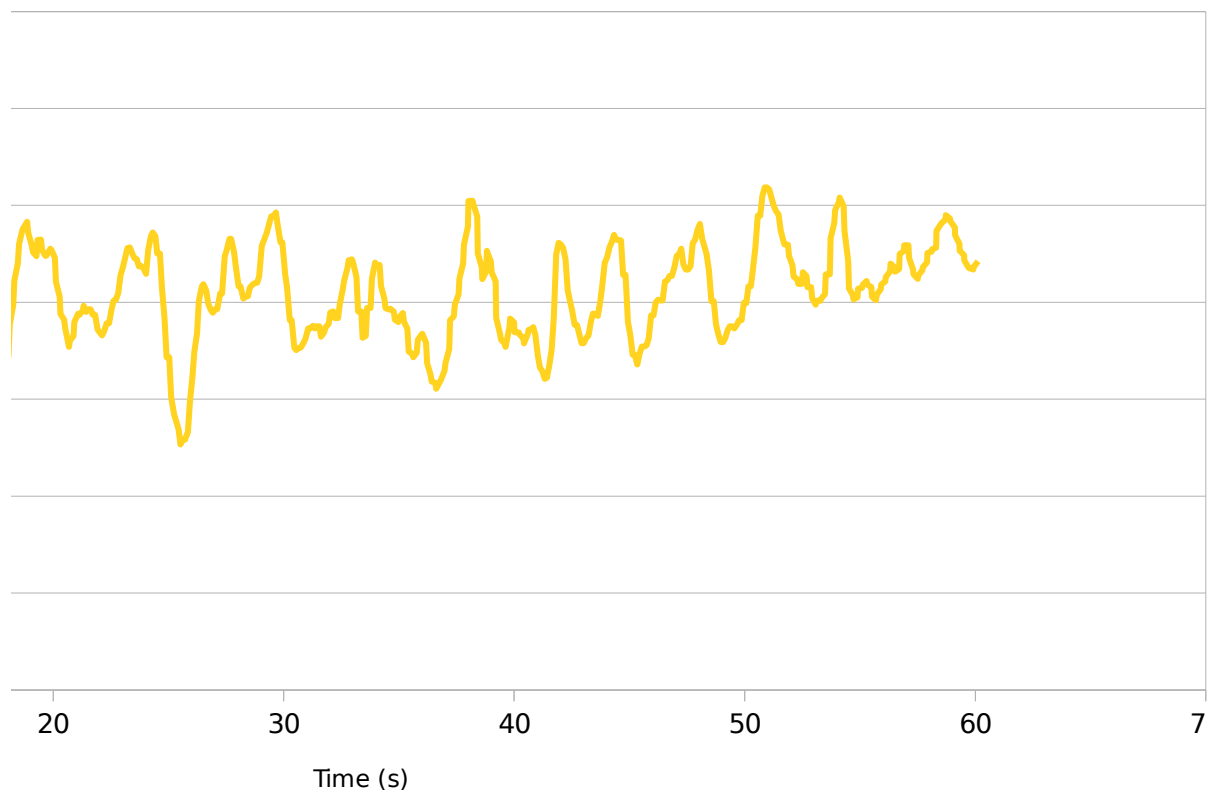
58.108	0.787608
58.122	0.787745
58.309	0.787814
58.322	0.788693
58.51	0.789052
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58.712	0.789264
58.721	0.789498
58.912	0.789314
58.921	0.789175
59.114	0.788864
59.122	0.788459
59.314	0.788025
59.322	0.787668
59.515	0.787425
59.523	0.787176
59.717	0.786773
59.725	0.786773
59.917	0.786688
59.927	0.786812
60.118	0.787117

1m_1040nm

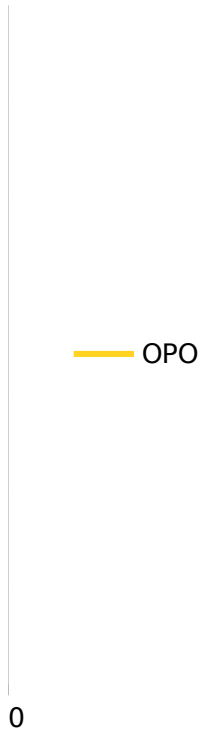
Power Deviation (W)

Percentage Deviation
0.26675874

1040nm



1m_1040nm



0

1m_1050nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

OPO

Average Power (W) Average Pow

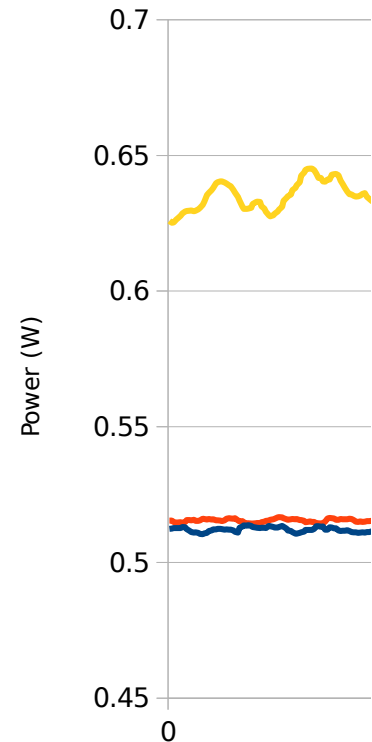
0.5097849052 0.00116113

Wavelength: 1050 nm

Sample Rate: 10/sec

Total Duration: 00:00:01:00

Time (s)	Power (W)	Chameleon	Bypass	OPO
0.061	0.512328	0.515436	0.625852	
0.172	0.512458	0.515449	0.625219	
0.257	0.512638	0.514951	0.625308	
0.376	0.512642	0.514689	0.6264	
0.457	0.51266	0.514724	0.626904	
0.574	0.512667	0.514868	0.627745	
0.657	0.513074	0.51456	0.628598	
0.776	0.512942	0.514901	0.629321	
0.858	0.51232	0.515603	0.629494	
0.979	0.511688	0.515651	0.629674	
1.058	0.511183	0.515485	0.629701	
1.178	0.511042	0.515777	0.629455	
1.258	0.511151	0.515323	0.629627	
1.378	0.510864	0.515289	0.630086	
1.458	0.510504	0.515493	0.630721	
1.582	0.510415	0.516113	0.631813	
1.658	0.510731	0.516051	0.632922	
1.78	0.51089	0.51582	0.635372	
1.857	0.511586	0.515986	0.636154	
1.982	0.511833	0.515853	0.637212	
2.057	0.51217	0.515898	0.637982	
2.185	0.512219	0.515482	0.639769	
2.258	0.51233	0.515554	0.640169	
2.383	0.512384	0.5154	0.640412	
2.458	0.512312	0.515268	0.640423	
2.584	0.512081	0.515501	0.640003	
2.657	0.512223	0.516161	0.639607	
2.788	0.512073	0.51631	0.639007	
2.858	0.512112	0.516172	0.638622	
2.986	0.511852	0.516159	0.637266	
3.057	0.511302	0.516295	0.636275	
3.188	0.511069	0.515492	0.634725	
3.257	0.512777	0.515109	0.633411	
3.391	0.513294	0.515274	0.631075	
3.458	0.51368	0.514753	0.630325	
3.589	0.513537	0.514432	0.63027	
3.658	0.513723	0.51439	0.630416	
3.791	0.513471	0.514311	0.630722	
3.857	0.513077	0.514371	0.632084	
3.994	0.512929	0.514472	0.63274	
4.057	0.512722	0.514539	0.632945	



1m_1050nm

4.193	0.512653	0.514445	0.632861
4.258	0.512746	0.514809	0.631248
4.393	0.512807	0.515036	0.630394
4.458	0.512687	0.515286	0.629191
4.597	0.513436	0.515434	0.627902
4.657	0.513383	0.515753	0.627561
4.795	0.513115	0.515929	0.627966
4.858	0.512892	0.516169	0.628556
4.997	0.512843	0.516595	0.629368
5.057	0.513092	0.516699	0.629987
5.2	0.513424	0.516662	0.63112
5.258	0.513183	0.516334	0.633274
5.399	0.512459	0.515913	0.63428
5.458	0.511772	0.515769	0.634959
5.599	0.511641	0.515879	0.63563
5.658	0.511217	0.516007	0.637197
5.803	0.510629	0.515927	0.63802
5.858	0.510596	0.515981	0.638958
6.001	0.510859	0.515643	0.640098
6.058	0.511123	0.515618	0.642509
6.202	0.511446	0.515353	0.643816
6.257	0.511979	0.514856	0.644654
6.357	0.512005	0.514978	0.645065
6.458	0.512005	0.515089	0.645163
6.557	0.512041	0.514969	0.645163
6.658	0.51243	0.514913	0.644518
6.758	0.513407	0.514465	0.643237
6.857	0.513407	0.514424	0.641676
6.958	0.513189	0.514304	0.641676
7.057	0.513259	0.514512	0.640463
7.158	0.512117	0.515032	0.640333
7.258	0.512117	0.516176	0.641125
7.358	0.513005	0.516374	0.641125
7.458	0.512849	0.516254	0.642834
7.557	0.51259	0.516225	0.643026
7.658	0.51259	0.515742	0.643206
7.758	0.511799	0.515776	0.642639
7.858	0.5116	0.516057	0.640712
7.957	0.511718	0.515944	0.639422
8.058	0.511732	0.515929	0.638036
8.157	0.511892	0.515945	0.636663
8.257	0.511573	0.516104	0.635743
8.357	0.511183	0.516037	0.635587
8.458	0.511107	0.515638	0.635161
8.557	0.511098	0.515004	0.634859
8.658	0.510921	0.514977	0.634916
8.757	0.510971	0.515193	0.635252
8.858	0.511078	0.514946	0.63578
8.958	0.510965	0.515021	0.636085

1m_1050nm

9.058	0.511238	0.515257	0.634694
9.158	0.51122	0.515257	0.634043
9.258	0.511461	0.515337	0.633305
9.358	0.511695	0.515032	0.632803
9.457	0.511677	0.515796	0.631097
9.56	0.51174	0.515796	0.630305
9.658	0.511487	0.516141	0.630066
9.761	0.511405	0.516323	0.630213
9.858	0.511716	0.516616	0.631786
9.963	0.511668	0.516616	0.632669
10.058	0.511862	0.516171	0.633859
10.163	0.511675	0.516114	0.635263
10.258	0.511675	0.516081	0.636581
10.365	0.511947	0.515906	0.637886
10.457	0.512024	0.515539	0.639227
10.566	0.512345	0.515391	0.639909
10.657	0.511674	0.51548	0.640359
10.768	0.511049	0.515447	0.640256
10.857	0.51118	0.515829	0.63976
10.969	0.510799	0.516172	0.639127
11.058	0.510488	0.51624	0.63812
11.17	0.510331	0.51666	0.637363
11.258	0.510089	0.516675	0.636451
11.371	0.510086	0.51665	0.636178
11.457	0.510474	0.51693	0.636653
11.572	0.510475	0.516836	0.637421
11.658	0.510592	0.517081	0.64007
11.773	0.510741	0.517081	0.641903
11.857	0.510998	0.516753	0.643977
11.975	0.511387	0.516434	0.645553
12.057	0.511202	0.516498	0.647624
12.176	0.511327	0.516498	0.648075
12.257	0.511751	0.516436	0.648126
12.377	0.512031	0.516459	0.647799
12.457	0.511622	0.51627	0.646308
12.579	0.511567	0.51627	0.645023
12.658	0.51159	0.515828	0.644301
12.78	0.511488	0.515985	0.643758
12.858	0.511833	0.516	0.64388
12.981	0.511797	0.516145	0.644664
13.057	0.511534	0.515926	0.64538
13.182	0.511916	0.515783	0.646363
13.257	0.511231	0.51557	0.646791
13.384	0.511075	0.515145	0.646766
13.458	0.511345	0.515192	0.646306
13.585	0.511007	0.51509	0.645664
13.658	0.510788	0.514704	0.644735
13.786	0.5111	0.514447	0.642664
13.857	0.510929	0.514415	0.641697

1m_1050nm

13.987	0.510741	0.514527	0.640899
14.057	0.510637	0.514764	0.640562
14.189	0.510779	0.514812	0.640277
14.257	0.510789	0.515257	0.639687
14.39	0.510477	0.51546	0.639687
14.458	0.510237	0.515563	0.64028
14.591	0.510266	0.515744	0.640879
14.658	0.510126	0.515889	0.642794
14.792	0.51031	0.515724	0.642794
14.858	0.510807	0.515565	0.646424
14.993	0.510661	0.515907	0.648159
15.058	0.51061	0.516	0.65069
15.195	0.510345	0.515914	0.65069
15.258	0.509998	0.516079	0.651533
15.396	0.51022	0.516064	0.651351
15.457	0.510324	0.516001	0.650593
15.598	0.510573	0.515938	0.649517
15.658	0.510609	0.515582	0.647487
15.799	0.510738	0.515497	0.646525
15.857	0.510902	0.515764	0.645491
15.999	0.510785	0.515701	0.645028
16.058	0.510786	0.515139	0.644723
16.2	0.510055	0.515704	0.644511
16.257	0.509916	0.515456	0.644421
16.402	0.51045	0.515295	0.644011
16.458	0.510086	0.515444	0.643016
16.603	0.510063	0.515341	0.643016
16.657	0.509831	0.515279	0.641551
16.804	0.509482	0.515258	0.640966
16.857	0.509482	0.514743	0.638928
17.006	0.5088	0.514795	0.638928
17.058	0.509124	0.514904	0.637975
17.207	0.509649	0.514853	0.63778
17.26	0.509649	0.515107	0.638993
17.409	0.509324	0.51559	0.638993
17.459	0.509485	0.515591	0.640812
17.61	0.509601	0.515859	0.641899
17.66	0.509601	0.51606	0.642775
17.81	0.50986	0.515764	0.642775
17.868	0.509374	0.515764	0.641778
18.012	0.509094	0.516382	0.640694
18.061	0.509094	0.516898	0.639506
18.213	0.508644	0.517454	0.63851
18.262	0.508753	0.517454	0.63821
18.415	0.509025	0.517644	0.637964
18.465	0.509246	0.517657	0.638309
18.615	0.509002	0.516681	0.639029
18.664	0.508672	0.516681	0.641711
18.816	0.508497	0.516742	0.643275

1m_1050nm

18.865	0.508594	0.516775	0.644556
19.017	0.509266	0.515603	0.645605
19.069	0.509373	0.515603	0.64675
19.158	0.509378	0.514957	0.647204
19.267	0.509651	0.515296	0.647689
19.358	0.509802	0.515373	0.647949
19.469	0.509843	0.515553	0.648183
19.558	0.509417	0.515967	0.648582
19.673	0.509201	0.516004	0.648533
19.757	0.509891	0.516732	0.648409
19.871	0.510078	0.516853	0.64778
19.958	0.509994	0.516283	0.647258
20.072	0.510016	0.516333	0.647262
20.157	0.51005	0.516557	0.647613
20.278	0.51035	0.516868	0.648144
20.358	0.510388	0.516857	0.64889
20.474	0.510484	0.516934	0.649289
20.557	0.510487	0.516687	0.648946
20.676	0.510487	0.516455	0.648559
20.758	0.510494	0.516476	0.647951
20.879	0.5107	0.516336	0.647467
20.958	0.510859	0.516251	0.647824
21.078	0.510922	0.516065	0.648023
21.158	0.510869	0.515745	0.647949
21.279	0.511109	0.515779	0.647592
21.357	0.510541	0.515569	0.647414
21.483	0.510464	0.515714	0.64747
21.558	0.510359	0.515911	0.647407
21.683	0.510947	0.515751	0.64634
21.758	0.510947	0.515601	0.645713
21.883	0.510892	0.515674	0.644948
21.958	0.510749	0.515778	0.643778
22.086	0.510539	0.515561	0.642486
22.157	0.510539	0.515704	0.641525
22.286	0.510365	0.515568	0.640213
22.358	0.510274	0.515733	0.638779
22.488	0.50973	0.515601	0.637622
22.558	0.50973	0.515698	0.637618
22.69	0.509188	0.515918	0.637618
22.757	0.50899	0.516201	0.638448
22.888	0.509019	0.51578	0.639122
22.957	0.509019	0.515673	0.641917
23.089	0.508986	0.515848	0.641917
23.158	0.509179	0.515393	0.645115
23.295	0.509739	0.514997	0.646612
23.357	0.509739	0.515289	0.646804
23.493	0.509936	0.515462	0.646804
23.558	0.509929	0.515692	0.646683
23.694	0.510031	0.516146	0.646376

1m_1050nm

23.758	0.510031	0.516329	0.646207
23.898	0.509212	0.516138	0.64604
23.957	0.509214	0.51611	0.646946
24.096	0.509789	0.51581	0.647629
24.157	0.509789	0.515566	0.647964
24.298	0.510137	0.515648	0.647696
24.357	0.510057	0.515857	0.647243
24.502	0.510397	0.515866	0.645998
24.558	0.510522	0.515978	0.644997
24.702	0.510191	0.516039	0.64414
24.758	0.510044	0.515837	0.64374
24.901	0.509685	0.515732	0.644096
24.958	0.509725	0.515539	0.645154
25.106	0.510047	0.516077	0.646121
25.157	0.509893	0.516043	0.647752
25.257	0.509754	0.516043	0.648428
25.357	0.509227	0.516095	0.648582
25.458	0.509739	0.51612	0.648619
25.558	0.509739	0.516597	0.648072
25.659	0.510183	0.516597	0.647811
25.757	0.510018	0.516576	0.647305
25.861	0.510177	0.516299	0.647063
25.957	0.510177	0.516826	0.646064
26.062	0.509951	0.516826	0.645686
26.157	0.509781	0.516861	0.64553
26.263	0.509887	0.516663	0.645669
26.358	0.509887	0.516943	0.646844
26.464	0.508857	0.516943	0.647611
26.558	0.508021	0.516485	0.648372
26.666	0.507457	0.516768	0.648487
26.758	0.507457	0.516385	0.648365
26.867	0.507803	0.516385	0.647882
26.957	0.507863	0.515685	0.646934
27.069	0.50811	0.515685	0.646431
27.157	0.50811	0.515486	0.646114
27.269	0.50889	0.515155	0.645088
27.358	0.509054	0.515248	0.644606
27.47	0.50951	0.515248	0.644567
27.558	0.510126	0.515769	0.644324
27.672	0.510121	0.51594	0.644358
27.757	0.51	0.516169	0.644826
27.873	0.510449	0.516169	0.644508
27.958	0.510348	0.515886	0.644378
28.075	0.509648	0.515683	0.64468
28.157	0.509425	0.515857	0.644252
28.276	0.509188	0.515857	0.644231
28.358	0.509344	0.515858	0.644309
28.477	0.509646	0.515636	0.645161
28.557	0.510002	0.516156	0.647518

1m_1050nm

28.678	0.509956	0.516156	0.649268
28.758	0.509981	0.516074	0.650606
28.879	0.509835	0.51599	0.651782
28.957	0.50984	0.515391	0.652919
29.081	0.50942	0.515391	0.652818
29.157	0.509078	0.515228	0.652311
29.281	0.508574	0.515418	0.652487
29.357	0.508574	0.515745	0.652423
29.482	0.508716	0.515831	0.652883
29.557	0.509055	0.515522	0.65261
29.684	0.509221	0.515566	0.651299
29.758	0.509221	0.515372	0.64976
29.885	0.509093	0.515365	0.648143
29.958	0.509407	0.51546	0.648366
30.087	0.509393	0.51535	0.649003
30.158	0.509614	0.515259	0.649673
30.288	0.50975	0.515219	0.65011
30.358	0.509672	0.515416	0.650401
30.49	0.509422	0.515441	0.650401
30.558	0.509078	0.515545	0.650738
30.69	0.508989	0.515924	0.651284
30.758	0.508554	0.516065	0.652673
30.892	0.508403	0.516065	0.652673
30.958	0.508396	0.516012	0.654749
31.093	0.508643	0.515694	0.655644
31.157	0.508506	0.515918	0.656459
31.294	0.508405	0.515918	0.656459
31.358	0.508668	0.516052	0.655846
31.495	0.508925	0.516281	0.655846
31.557	0.508882	0.516032	0.653605
31.697	0.508994	0.516032	0.653605
31.757	0.509391	0.515325	0.652514
31.899	0.509548	0.515288	0.652514
31.957	0.509362	0.515165	0.652452
32.099	0.509341	0.515392	0.653062
32.158	0.509348	0.515229	0.653613
32.301	0.50877	0.515633	0.653613
32.357	0.508306	0.515987	0.652985
32.501	0.508334	0.515889	0.651818
32.557	0.508624	0.515879	0.650316
32.703	0.508876	0.516322	0.650316
32.757	0.508723	0.516068	0.648038
32.904	0.508749	0.515458	0.647365
32.958	0.508779	0.515024	0.646108
33.106	0.508803	0.514692	0.646108
33.158	0.508521	0.514659	0.645698
33.307	0.508838	0.514882	0.645365
33.357	0.509023	0.514983	0.645659
33.508	0.50945	0.515164	0.645659

1m_1050nm

33.56	0.509447	0.515615	0.646181
33.71	0.508934	0.515645	0.646759
33.758	0.509068	0.515572	0.648769
33.911	0.508805	0.515443	0.648769
33.958	0.508567	0.515412	0.651035
34.112	0.508125	0.514797	0.651518
34.162	0.508224	0.514464	0.651491
34.314	0.508063	0.514043	0.651491
34.361	0.508088	0.513714	0.650931
34.514	0.508123	0.513553	0.650963
34.561	0.508247	0.51369	0.650339
34.716	0.508192	0.514331	0.650235
34.767	0.508134	0.514257	0.65018
34.917	0.50841	0.514822	0.650411
34.965	0.509243	0.515001	0.650689
35.119	0.509957	0.515201	0.650844
35.167	0.509931	0.51576	0.651962
35.319	0.510018	0.516218	0.651962
35.37	0.510303	0.516157	0.654474
35.521	0.51031	0.516288	0.655423
35.568	0.510367	0.515763	0.654328
35.723	0.510216	0.515511	0.654328
35.772	0.509784	0.515484	0.651761
35.923	0.508993	0.515319	0.650454
35.975	0.508524	0.515935	0.648372
36.124	0.508173	0.515359	0.648372
36.173	0.507721	0.515109	0.647511
36.326	0.507572	0.51501	0.646863
36.374	0.507572	0.514543	0.646838
36.527	0.50806	0.514029	0.646838
36.578	0.508448	0.51444	0.647196
36.728	0.508929	0.514723	0.647758
36.777	0.508929	0.514744	0.648527
36.929	0.509442	0.514434	0.648527
36.978	0.510057	0.514526	0.649785
37.131	0.510264	0.514345	0.650294
37.182	0.510264	0.514647	0.6504
37.332	0.510465	0.514765	0.650639
37.38	0.510414	0.514724	0.649479
37.533	0.510414	0.51449	0.648244
37.582	0.50968	0.514612	0.647005
37.734	0.509315	0.514599	0.646008
37.785	0.508712	0.514739	0.645339
37.936	0.508712	0.514858	0.64539
37.984	0.508248	0.514774	0.645591
38.139	0.507997	0.515337	0.646597
38.187	0.50795	0.515337	0.648896
38.338	0.50795	0.515643	0.649577
38.39	0.508263	0.515825	0.650058

1m_1050nm

38.54	0.508696	0.51588	0.650542
38.588	0.508792	0.515942	0.652295
38.741	0.508792	0.515837	0.653228
38.789	0.509568	0.516007	0.653472
38.942	0.509685	0.51599	0.654674
38.993	0.510015	0.515917	0.655129
39.058	0.510015	0.515921	0.655673
39.192	0.51042	0.515538	0.655519
39.258	0.510605	0.515203	0.655063
39.392	0.510986	0.515459	0.654166
39.457	0.510986	0.515647	0.652975
39.597	0.510761	0.515663	0.651222
39.657	0.510629	0.51581	0.650226
39.795	0.510216	0.515768	0.649208
39.857	0.510036	0.515521	0.648072
39.996	0.510447	0.515395	0.647476
40.058	0.510236	0.515601	0.647304
40.199	0.510047	0.515347	0.647277
40.258	0.509782	0.515773	0.647488
40.399	0.509774	0.515908	0.647181
40.458	0.509348	0.515964	0.647963
40.6	0.509196	0.51567	0.649155
40.657	0.509033	0.51553	0.650505
40.804	0.508819	0.51538	0.651652
40.858	0.508819	0.515569	0.653116
41.002	0.508578	0.515608	0.653277
41.058	0.507886	0.515603	0.652726
41.203	0.507627	0.515014	0.65229
41.257	0.507627	0.514712	0.650809
41.357	0.507586	0.514712	0.650673
41.458	0.507907	0.514407	0.650376
41.559	0.508407	0.514332	0.650025
41.657	0.508407	0.515023	0.649757
41.759	0.508865	0.515023	0.64948
41.857	0.509128	0.51482	0.649157
41.961	0.509468	0.51482	0.649144
42.057	0.509468	0.51491	0.650029
42.162	0.509115	0.51491	0.650358
42.258	0.509337	0.514606	0.650711
42.363	0.508954	0.514606	0.651668
42.458	0.508954	0.515318	0.652368
42.564	0.50958	0.515318	0.65204
42.657	0.509933	0.514864	0.652125
42.766	0.509706	0.514864	0.651907
42.858	0.509706	0.515828	0.65122
42.966	0.509448	0.515828	0.649842
43.058	0.509752	0.515631	0.649301
43.169	0.510131	0.515631	0.64887
43.257	0.510131	0.515053	0.648691

1m_1050nm

43.37	0.509432	0.515053	0.648847
43.457	0.509156	0.514694	0.649177
43.57	0.509017	0.514694	0.65048
43.658	0.508824	0.514343	0.651636
43.771	0.508718	0.514369	0.654638
43.857	0.508921	0.513991	0.656588
43.973	0.509223	0.513991	0.65824
44.058	0.509436	0.514084	0.659707
44.174	0.508929	0.514108	0.660297
44.258	0.508917	0.514621	0.658908
44.376	0.508917	0.514621	0.657666
44.457	0.508671	0.515661	0.65591
44.577	0.508752	0.516093	0.653738
44.657	0.508752	0.516096	0.649697
44.777	0.508334	0.516096	0.648608
44.858	0.508739	0.515739	0.647983
44.978	0.509195	0.515824	0.647302
45.058	0.509195	0.515099	0.647236
45.181	0.509024	0.515099	0.647292
45.258	0.509049	0.515342	0.647515
45.381	0.508391	0.515296	0.647691
45.457	0.508391	0.515898	0.64861
45.582	0.508507	0.515898	0.649053
45.658	0.508564	0.516065	0.649515
45.784	0.508962	0.516065	0.649985
45.857	0.508962	0.515809	0.649784
45.986	0.509202	0.515809	0.649772
46.057	0.509045	0.515328	0.648883
46.187	0.509273	0.515328	0.648485
46.257	0.509273	0.515598	0.648829
46.388	0.509419	0.515118	0.649529
46.457	0.509517	0.514975	0.650335
46.589	0.509487	0.514975	0.650335
46.658	0.509428	0.514344	0.650806
46.791	0.509715	0.514348	0.650806
46.857	0.509384	0.514248	0.651568
46.992	0.509244	0.514248	0.651568
47.057	0.508893	0.514978	0.654049
47.193	0.508374	0.51533	0.654049
47.258	0.508532	0.515542	0.656552
47.393	0.508439	0.515542	0.656552
47.457	0.508207	0.515574	0.657053
47.595	0.50868	0.515688	0.657053
47.658	0.508469	0.515515	0.65639
47.796	0.508277	0.515515	0.65639
47.858	0.50833	0.514653	0.655221
47.998	0.508545	0.514555	0.655221
48.058	0.508545	0.514184	0.652459
48.199	0.508508	0.514184	0.652459

1m_1050nm

48.257	0.508543	0.514265	0.651758
48.4	0.508882	0.514711	0.651758
48.458	0.508882	0.515131	0.650953
48.602	0.508711	0.515131	0.650953
48.657	0.508513	0.515468	0.65105
48.802	0.508484	0.515494	0.65105
48.858	0.508484	0.515325	0.652239
49.003	0.508795	0.515166	0.65261
49.057	0.508759	0.515244	0.653641
49.204	0.508868	0.514953	0.653641
49.258	0.509107	0.515038	0.653433
49.406	0.508886	0.514869	0.653197
49.457	0.508829	0.515748	0.652277
49.607	0.509004	0.515748	0.652277
49.658	0.509002	0.51552	0.651616
49.808	0.509155	0.515369	0.651534
49.859	0.509157	0.515121	0.651333
50.011	0.509168	0.514948	0.651333
50.061	0.508867	0.514751	0.651003
50.211	0.509077	0.51425	0.650779
50.261	0.509503	0.514279	0.650785
50.412	0.509597	0.514581	0.650785
50.464	0.509267	0.51447	0.650999
50.613	0.508211	0.514582	0.650999
50.662	0.508277	0.514851	0.652808
50.814	0.508327	0.515053	0.652808
50.864	0.508379	0.514929	0.65311
51.017	0.507945	0.514567	0.65311
51.067	0.507868	0.514143	0.653022
51.218	0.508022	0.514337	0.653022
51.268	0.50789	0.514578	0.653155
51.419	0.508273	0.514528	0.653155
51.467	0.508109	0.514559	0.652782
51.62	0.508396	0.514898	0.653099
51.671	0.509116	0.514865	0.654344
51.821	0.509184	0.514714	0.654344
51.87	0.508034	0.514844	0.654532
52.022	0.508034	0.514478	0.654384
52.071	0.507815	0.514755	0.653611
52.223	0.507732	0.515085	0.653611
52.275	0.507884	0.515189	0.653506
52.424	0.508133	0.515101	0.653614
52.473	0.508027	0.515444	0.654484
52.625	0.508411	0.515317	0.654484
52.674	0.508447	0.515515	0.655232
52.826	0.508909	0.515829	0.654929
52.878	0.508871	0.516019	0.655126
53.027	0.508898	0.516056	0.655126
53.077	0.508608	0.515393	0.655787

1m_1050nm

53.228	0.508443	0.51544	0.656528
53.279	0.508558	0.515155	0.65813
53.429	0.508543	0.515065	0.65813
53.483	0.508506	0.514689	0.66011
53.63	0.508612	0.514416	0.660982
53.683	0.508575	0.514683	0.661466
53.831	0.508815	0.514827	0.661194
53.884	0.508562	0.515402	0.660727
54.032	0.508751	0.515635	0.660115
54.087	0.508884	0.515562	0.659864
54.233	0.508475	0.515888	0.659402
54.285	0.50893	0.516109	0.659149
54.434	0.508928	0.515698	0.659149
54.486	0.508287	0.515648	0.658047
54.635	0.508023	0.515677	0.65836
54.691	0.50853	0.515169	0.659352
54.836	0.508859	0.51504	0.660085
54.89	0.508813	0.514694	0.66098
55.037	0.508453	0.514608	0.660972
55.091	0.508171	0.514966	0.660335
55.238	0.508474	0.514946	0.659908
55.294	0.508413	0.515203	0.659898
55.439	0.508413	0.51572	0.659677
55.492	0.50862	0.51544	0.659794
55.64	0.50862	0.515141	0.660073
55.693	0.50874	0.515232	0.65959
55.841	0.50874	0.515219	0.659144
55.898	0.508762	0.515491	0.658323
56.042	0.508762	0.515557	0.657477
56.097	0.509092	0.515678	0.655538
56.243	0.509092	0.515317	0.654562
56.296	0.508947	0.515294	0.653757
56.444	0.50864	0.515126	0.652863
56.5	0.50777	0.514946	0.651997
56.646	0.50777	0.514973	0.652479
56.699	0.507948	0.514894	0.652633
56.846	0.507669	0.515896	0.652961
56.9	0.507583	0.515999	0.653322
57.047	0.507583	0.515967	0.653354
57.105	0.50713	0.516195	0.652972
57.248	0.507251	0.51606	0.652315
57.257	0.508044	0.515624	0.652091
57.45	0.508044	0.515595	0.653854
57.457	0.508212	0.515591	0.655733
57.65	0.508665	0.515144	0.657889
57.66	0.50902	0.515027	0.659927
57.851	0.50902	0.51501	0.662233
57.86	0.50891	0.514996	0.662336
58.052	0.50873	0.515454	0.662139

1m_1050nm

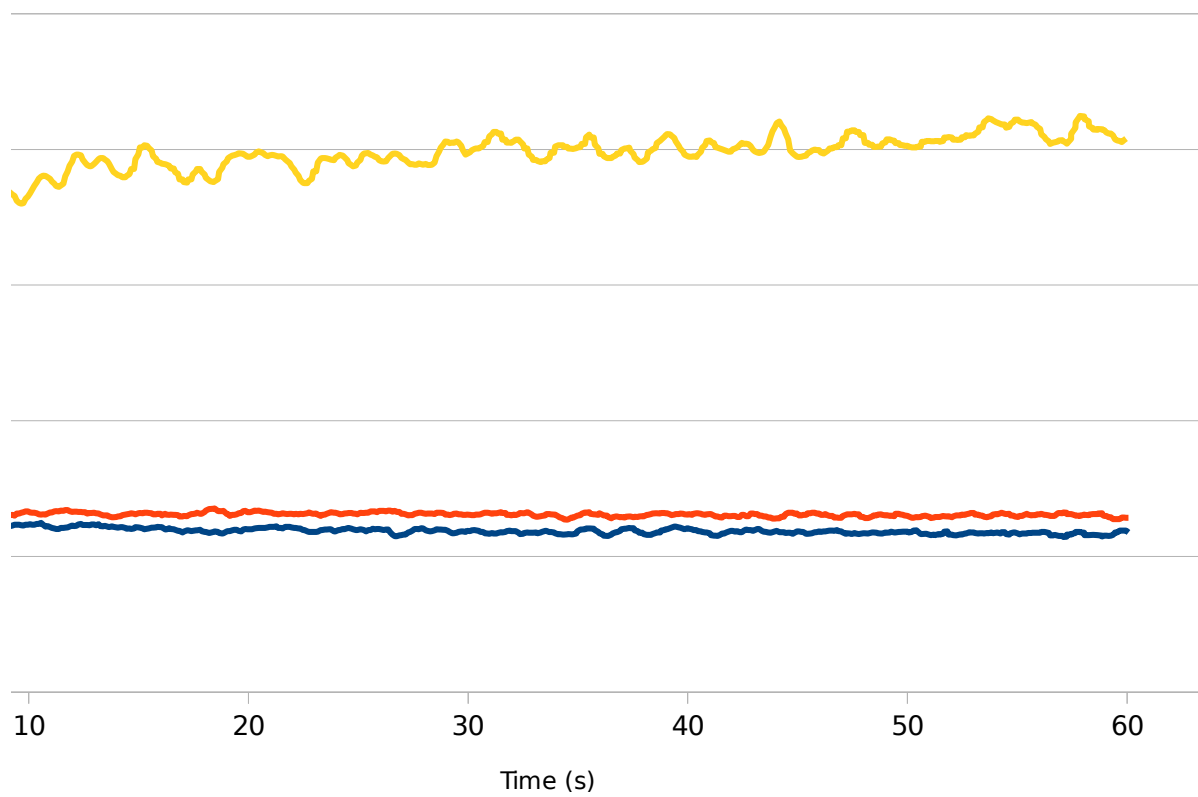
58.062	0.507881	0.515389	0.661139
58.253	0.507881	0.515255	0.660334
58.263	0.507765	0.515446	0.658531
58.454	0.507968	0.515629	0.657773
58.465	0.507998	0.515622	0.657302
58.655	0.507845	0.51565	0.657238
58.664	0.507854	0.515836	0.657522
58.856	0.507701	0.515971	0.657401
58.866	0.507386	0.515429	0.657306
58.957	0.507629	0.514987	0.657122
59.058	0.507678	0.514987	0.656269
59.158	0.507597	0.514411	0.655879
59.259	0.507708	0.514411	0.655884
59.357	0.507973	0.513719	0.655127
59.459	0.508807	0.513719	0.653683
59.558	0.508807	0.513734	0.653325
59.66	0.509548	0.513734	0.653122
59.757	0.509499	0.514326	0.652699
59.861	0.509531	0.514326	0.65341
59.958	0.509531	0.514279	0.653964
60.062	0.508867	0.514279	

1m_1050nm

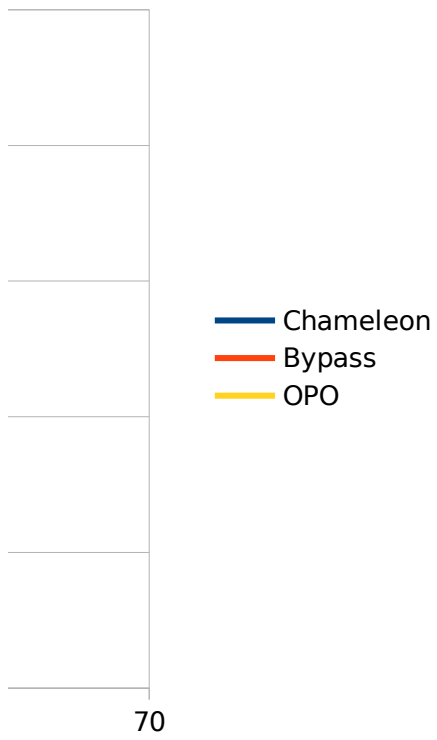
Power Deviation (W)

Percentage Deviation
0.22776783

1050nm



1m_1050nm



30m_1000nm

Name: UP19K-30H-H5

Serial Number: 219419

Units: W

Wavelength: 1000 nm

Sample Rate: 10/sec

Total Duration: 00:00:30:00

Time (s) Power (W)

OPO

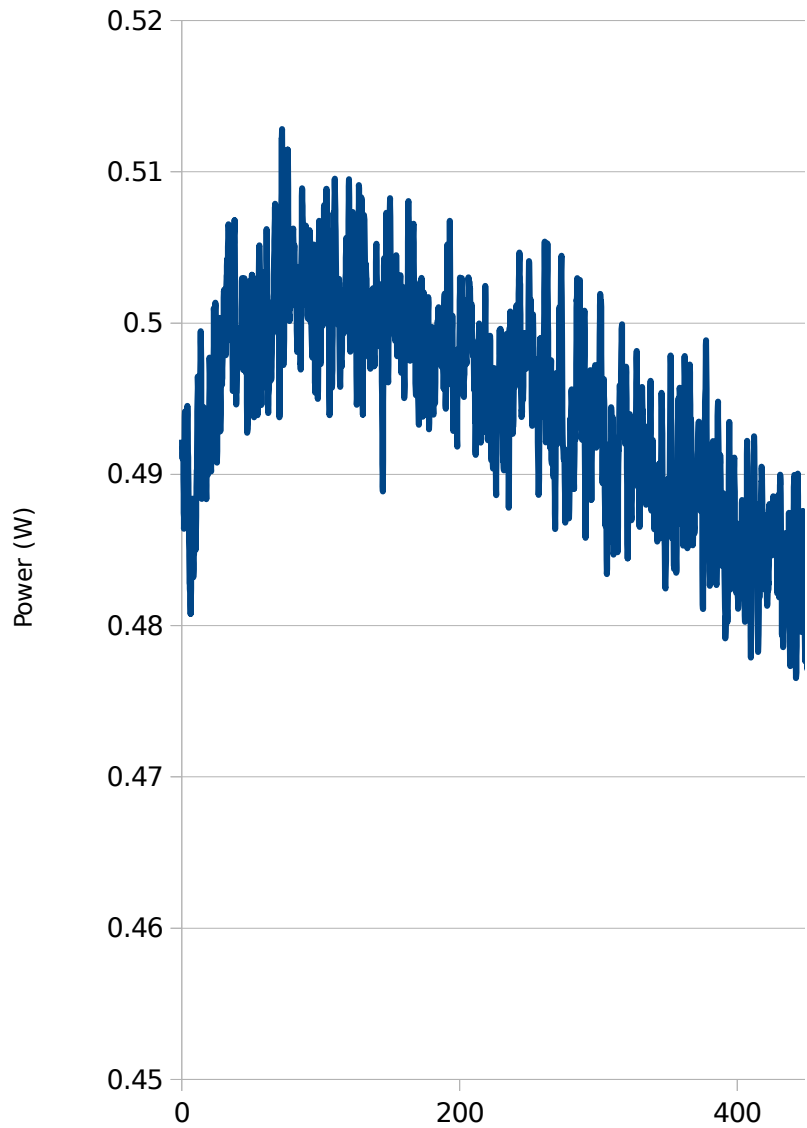
0.109	0.492293
0.194	0.491782
0.313	0.491551
0.395	0.491454
0.511	0.491023
0.594	0.491169
0.711	0.491672
0.795	0.491772
0.915	0.491901
0.995	0.491441
1.114	0.491028
1.194	0.489674
1.315	0.488712
1.395	0.487448
1.519	0.487168
1.595	0.486402
1.717	0.486813
1.794	0.488081
1.918	0.489709
1.995	0.491104
2.122	0.493793
2.197	0.494159
2.32	0.493922
2.397	0.493214
2.521	0.492568
2.599	0.492401
2.725	0.491436
2.801	0.491299
2.923	0.490857
3.001	0.490684
3.123	0.488895
3.202	0.488295
3.328	0.487649
3.404	0.487798
3.526	0.490025
3.605	0.491502
3.727	0.492728
3.807	0.493659
3.931	0.494534
4.008	0.494403
4.13	0.493927

Average Power (W)

Average Pow

OPO

0.4832511226 0.00865335



30m_1000nm

4.209	0.493013
4.331	0.491852
4.41	0.491481
4.535	0.491126
4.612	0.490487
4.732	0.489393
4.813	0.488996
4.934	0.487792
5.014	0.487149
5.137	0.486272
5.215	0.485561
5.337	0.484954
5.416	0.484618
5.537	0.483267
5.617	0.482796
5.694	0.482695
5.819	0.482439
5.894	0.482209
6.02	0.482209
6.095	0.481349
6.221	0.48097
6.295	0.480771
6.422	0.480835
6.495	0.481631
6.624	0.482436
6.695	0.483517
6.825	0.484557
6.894	0.484872
7.026	0.484911
7.095	0.485193
7.227	0.485663
7.294	0.487478
7.428	0.487971
7.495	0.488241
7.63	0.488385
7.695	0.487802
7.831	0.487441
7.894	0.486762
8.033	0.485941
8.095	0.4843
8.233	0.483719
8.294	0.48318
8.435	0.483544
8.494	0.483584
8.636	0.484118
8.695	0.484562
8.838	0.484731
8.894	0.484942
9.039	0.485568

30m_1000nm

9.095	0.485617
9.24	0.485865
9.295	0.486476
9.441	0.487154
9.495	0.486928
9.643	0.486361
9.695	0.485903
9.843	0.485922
9.894	0.485554
10.045	0.485014
10.094	0.485223
10.194	0.486118
10.295	0.487193
10.394	0.488224
10.495	0.488738
10.595	0.489158
10.695	0.489991
10.795	0.490253
10.894	0.490328
10.994	0.491268
11.096	0.493211
11.195	0.494136
11.295	0.494944
11.394	0.495659
11.495	0.496461
11.595	0.495699
11.695	0.494767
11.795	0.494076
11.894	0.493599
11.994	0.49245
12.095	0.492133
12.194	0.491928
12.295	0.491391
12.395	0.491769
12.494	0.492122
12.594	0.492124
12.695	0.491641
12.795	0.491559
12.894	0.492487
12.995	0.493184
13.095	0.49349
13.195	0.494603
13.295	0.496563
13.394	0.497541
13.494	0.498725
13.594	0.499462
13.695	0.499327
13.795	0.498453
13.894	0.497306

30m_1000nm

13.995	0.495226
14.095	0.493287
14.195	0.48952
14.295	0.488371
14.395	0.488486
14.494	0.489035
14.594	0.490362
14.695	0.491529
14.794	0.492411
14.894	0.492924
14.994	0.493015
15.094	0.492779
15.195	0.492773
15.295	0.493068
15.395	0.493595
15.494	0.494168
15.595	0.494249
15.695	0.494431
15.795	0.494063
15.894	0.492886
15.995	0.493063
16.095	0.492719
16.195	0.492119
16.295	0.491728
16.395	0.491458
16.494	0.491005
16.595	0.491285
16.695	0.49136
16.795	0.490943
16.895	0.491348
16.995	0.491302
17.094	0.491065
17.198	0.490913
17.294	0.48995
17.396	0.489272
17.494	0.488888
17.597	0.48835
17.695	0.488351
17.801	0.488351
17.895	0.48992
18	0.490871
18.094	0.492029
18.201	0.493187
18.296	0.49337
18.404	0.493472
18.497	0.493197
18.602	0.492419
18.697	0.491785
18.804	0.489988

30m_1000nm

18.899	0.490011
19.007	0.490544
19.101	0.491015
19.206	0.49239
19.302	0.492571
19.407	0.492729
19.503	0.492923
19.61	0.493304
19.704	0.493635
19.808	0.494799
19.905	0.495747
20.009	0.497723
20.107	0.497681
20.213	0.497288
20.308	0.49653
20.411	0.49366
20.509	0.492741
20.613	0.491848
20.71	0.491827
20.816	0.491371
20.913	0.490541
21.014	0.490193
21.113	0.490483
21.216	0.49128
21.315	0.49128
21.419	0.492175
21.516	0.492765
21.617	0.492704
21.717	0.492823
21.817	0.492978
21.918	0.493593
22.022	0.493721
22.119	0.493664
22.22	0.492782
22.32	0.492773
22.422	0.492829
22.521	0.493325
22.624	0.494879
22.723	0.495995
22.823	0.497388
22.923	0.49847
23.024	0.500546
23.125	0.500971
23.228	0.50074
23.326	0.500112
23.426	0.498554
23.527	0.498147
23.627	0.498328
23.729	0.498956

30m_1000nm

23.83	0.500056
23.93	0.500435
24.029	0.500869
24.131	0.501341
24.23	0.501235
24.332	0.501164
24.434	0.500569
24.534	0.499585
24.632	0.498187
24.736	0.497355
24.833	0.496124
24.936	0.494483
25.037	0.491462
25.138	0.491462
25.235	0.490776
25.338	0.490974
25.437	0.491508
25.539	0.492534
25.594	0.494914
25.742	0.495547
25.795	0.495722
25.942	0.496163
25.995	0.494854
26.143	0.494536
26.194	0.494818
26.345	0.495277
26.394	0.49683
26.546	0.497414
26.595	0.498143
26.749	0.49898
26.795	0.500299
26.949	0.500347
26.994	0.500273
27.15	0.499775
27.195	0.497398
27.351	0.496408
27.394	0.495555
27.553	0.494818
27.595	0.492831
27.754	0.492909
27.795	0.493266
27.955	0.493964
27.995	0.494855
28.156	0.496403
28.194	0.497292
28.358	0.497404
28.395	0.497857
28.56	0.497635
28.595	0.497112

30m_1000nm

28.76	0.496865
28.795	0.496148
28.961	0.495911
28.994	0.496216
29.163	0.496365
29.195	0.497021
29.363	0.497514
29.394	0.499268
29.564	0.499162
29.595	0.498714
29.766	0.498147
29.795	0.498274
29.967	0.498617
29.994	0.499139
30.168	0.499895
30.195	0.501686
30.369	0.50212
30.394	0.502042
30.494	0.502211
30.595	0.502093
30.695	0.50159
30.794	0.501048
30.895	0.500457
30.995	0.499757
31.094	0.49865
31.195	0.498398
31.295	0.498527
31.394	0.49799
31.494	0.497999
31.595	0.497877
31.694	0.498377
31.795	0.498699
31.895	0.499631
31.994	0.501353
32.095	0.50243
32.195	0.502915
32.295	0.503128
32.395	0.503187
32.495	0.50377
32.595	0.503816
32.695	0.504225
32.794	0.504182
32.895	0.504138
32.994	0.504156
33.094	0.5041
33.195	0.504429
33.294	0.505031
33.394	0.505539
33.495	0.506027

30m_1000nm

33.595	0.506524
33.695	0.506289
33.794	0.506104
33.894	0.505603
33.994	0.504874
34.094	0.504568
34.195	0.504244
34.294	0.503137
34.394	0.503137
34.495	0.500447
34.595	0.499196
34.695	0.498915
34.796	0.498915
34.895	0.499806
34.999	0.5001
35.094	0.499614
35.2	0.499614
35.295	0.499363
35.401	0.499462
35.494	0.500225
35.601	0.500225
35.695	0.500914
35.803	0.501159
35.895	0.501996
36.004	0.501996
36.095	0.502279
36.206	0.502279
36.294	0.499487
36.407	0.499487
36.494	0.498203
36.609	0.496721
36.695	0.495515
36.809	0.495515
36.895	0.497408
37.01	0.497408
37.096	0.500299
37.212	0.501316
37.295	0.502589
37.413	0.503461
37.495	0.504932
37.614	0.505325
37.699	0.505802
37.815	0.50608
37.898	0.506457
38.017	0.506793
38.099	0.506286
38.218	0.504921
38.303	0.50163
38.419	0.499962

30m_1000nm

38.501	0.497822
38.62	0.496423
38.702	0.495425
38.821	0.495654
38.906	0.495709
39.023	0.495456
39.104	0.494623
39.224	0.494606
39.305	0.495007
39.425	0.495332
39.509	0.495411
39.626	0.496307
39.707	0.496757
39.827	0.497277
39.908	0.498325
40.029	0.498325
40.112	0.498631
40.23	0.49851
40.311	0.498523
40.432	0.49867
40.511	0.499529
40.633	0.499035
40.715	0.498848
40.834	0.49891
40.913	0.498655
41.035	0.498513
41.114	0.498481
41.236	0.49848
41.318	0.498783
41.437	0.499168
41.516	0.498806
41.638	0.498717
41.717	0.498292
41.839	0.498412
41.921	0.498868
42.041	0.499361
42.119	0.499698
42.243	0.499483
42.321	0.499326
42.444	0.499368
42.523	0.499133
42.644	0.499032
42.723	0.498853
42.845	0.49888
42.924	0.500213
43.048	0.500899
43.128	0.501718
43.249	0.502768
43.326	0.502961

30m_1000nm

43.45	0.502859
43.527	0.501945
43.651	0.500998
43.73	0.498712
43.852	0.498712
43.928	0.49729
44.053	0.49697
44.129	0.496904
44.254	0.497175
44.333	0.497416
44.457	0.498246
44.531	0.499224
44.657	0.499864
44.732	0.501319
44.857	0.502263
44.936	0.502973
45.06	0.502945
45.135	0.502474
45.26	0.502438
45.335	0.502518
45.461	0.502521
45.539	0.501069
45.663	0.499955
45.694	0.498506
45.864	0.497766
45.895	0.496838
46.065	0.496733
46.094	0.497126
46.267	0.497726
46.295	0.498558
46.468	0.499066
46.495	0.499426
46.67	0.499465
46.695	0.497801
46.871	0.496681
46.894	0.494722
47.072	0.49332
47.095	0.492738
47.274	0.492893
47.294	0.492895
47.474	0.493021
47.495	0.493111
47.675	0.493429
47.694	0.494901
47.878	0.495789
47.894	0.496351
48.078	0.496906
48.095	0.499179
48.279	0.500163

30m_1000nm

48.294	0.500907
48.481	0.501307
48.494	0.502569
48.683	0.502649
48.694	0.502733
48.882	0.502768
48.895	0.502694
49.084	0.502658
49.095	0.502026
49.286	0.501578
49.295	0.501046
49.487	0.501038
49.494	0.500937
49.688	0.500545
49.695	0.50054
49.889	0.500474
49.894	0.500786
50.091	0.501128
50.094	0.501334
50.292	0.50225
50.295	0.502866
50.493	0.503199
50.495	0.502828
50.595	0.503163
50.695	0.503163
50.794	0.502638
50.895	0.502638
50.994	0.502811
51.097	0.502991
51.194	0.502237
51.297	0.502237
51.395	0.500627
51.499	0.500627
51.594	0.497067
51.7	0.497067
51.795	0.495448
51.901	0.495448
51.994	0.493762
52.102	0.493762
52.194	0.494343
52.303	0.494343
52.394	0.497265
52.504	0.497265
52.595	0.498181
52.705	0.498181
52.794	0.498299
52.906	0.498299
52.995	0.497849
53.107	0.497849

30m_1000nm

53.194	0.497028
53.308	0.497028
53.395	0.49672
53.509	0.49672
53.594	0.496945
53.71	0.497051
53.795	0.497324
53.911	0.497324
53.994	0.496352
54.112	0.496251
54.195	0.495279
54.313	0.495279
54.394	0.494213
54.514	0.493917
54.595	0.494473
54.715	0.494473
54.794	0.49693
54.917	0.499958
54.995	0.501076
55.117	0.501076
55.194	0.502397
55.318	0.502397
55.395	0.503521
55.519	0.503521
55.594	0.505038
55.72	0.505038
55.794	0.505139
55.921	0.505139
55.995	0.504408
56.122	0.504408
56.195	0.503586
56.323	0.50349
56.395	0.50289
56.524	0.50289
56.595	0.500598
56.725	0.499606
56.794	0.497668
56.926	0.497668
56.995	0.4961
57.127	0.495142
57.194	0.494575
57.328	0.494659
57.395	0.495803
57.529	0.496188
57.599	0.496303
57.731	0.495956
57.797	0.495691
57.931	0.496381
57.998	0.496561

30m_1000nm

58.132	0.496759
58.202	0.497878
58.333	0.498773
58.4	0.499301
58.534	0.499939
58.601	0.500981
58.735	0.500981
58.805	0.501529
58.936	0.501312
59.004	0.501927
59.137	0.501927
59.204	0.50212
59.338	0.502666
59.408	0.50285
59.539	0.503239
59.606	0.503382
59.74	0.50322
59.807	0.502712
59.941	0.502265
60.011	0.501212
60.142	0.50022
60.209	0.499413
60.343	0.498569
60.41	0.49781
60.544	0.498502
60.614	0.499912
60.745	0.501717
60.812	0.504584
60.946	0.505901
61.013	0.506203
61.147	0.505855
61.217	0.504168
61.348	0.503228
61.415	0.501692
61.549	0.500187
61.616	0.497923
61.75	0.4974
61.82	0.496728
61.951	0.49571
62.018	0.494503
62.152	0.494099
62.219	0.494056
62.353	0.494596
62.423	0.495208
62.556	0.49538
62.622	0.49538
62.755	0.495613
62.823	0.496025
62.956	0.496025

30m_1000nm

63.026	0.497155
63.157	0.497327
63.225	0.497139
63.359	0.496937
63.425	0.496493
63.559	0.496434
63.629	0.496552
63.76	0.496671
63.827	0.496527
63.961	0.496635
64.028	0.496744
64.162	0.496961
64.231	0.496644
64.363	0.496237
64.43	0.496398
64.564	0.496622
64.631	0.497102
64.765	0.497463
64.835	0.498029
64.966	0.498381
65.033	0.5
65.167	0.500646
65.235	0.501331
65.368	0.501333
65.438	0.501395
65.569	0.500698
65.636	0.500515
65.77	0.500439
65.837	0.501106
65.971	0.501219
65.995	0.501759
66.172	0.501958
66.194	0.50291
66.373	0.50291
66.394	0.504234
66.574	0.504779
66.594	0.505441
66.775	0.506027
66.794	0.506283
66.976	0.506899
66.994	0.507659
67.177	0.507699
67.195	0.50788
67.379	0.50742
67.394	0.507045
67.579	0.506588
67.595	0.505431
67.78	0.504849
67.794	0.503884

30m_1000nm

67.981	0.503399
67.994	0.503154
68.182	0.503168
68.195	0.503561
68.383	0.503929
68.395	0.504602
68.584	0.504593
68.594	0.50378
68.785	0.502832
68.795	0.501664
68.987	0.500574
68.996	0.499751
69.187	0.499321
69.197	0.499576
69.388	0.500174
69.398	0.500625
69.589	0.500818
69.6	0.501086
69.79	0.500642
69.799	0.499954
69.991	0.498889
70.001	0.49719
70.193	0.495544
70.204	0.493763
70.393	0.494137
70.404	0.4955
70.594	0.497148
70.605	0.500337
70.694	0.501106
70.795	0.501106
70.895	0.502194
70.996	0.502194
71.095	0.502479
71.197	0.502479
71.295	0.50294
71.398	0.50294
71.495	0.506472
71.599	0.506472
71.694	0.508593
71.8	0.508593
71.895	0.512176
72.001	0.512176
72.094	0.512821
72.202	0.512821
72.295	0.509898
72.403	0.509898
72.494	0.506597
72.604	0.506597
72.694	0.503066

30m_1000nm

72.805	0.501041
72.894	0.498469
73.006	0.498469
73.095	0.497219
73.209	0.497223
73.295	0.497661
73.409	0.497661
73.494	0.498074
73.609	0.498943
73.694	0.50136
73.81	0.50136
73.894	0.503534
74.011	0.503534
74.095	0.504873
74.213	0.504873
74.294	0.505786
74.413	0.505786
74.495	0.5042
74.614	0.5042
74.695	0.503376
74.815	0.503376
74.894	0.504741
75.016	0.504741
75.094	0.506883
75.217	0.506883
75.295	0.508819
75.418	0.509197
75.495	0.508973
75.619	0.508973
75.694	0.508865
75.821	0.509262
75.895	0.510474
76.021	0.510474
76.094	0.511308
76.223	0.511467
76.295	0.510936
76.423	0.510936
76.495	0.508951
76.625	0.507518
76.695	0.504531
76.825	0.504531
76.895	0.501805
77.027	0.501009
77.095	0.500278
77.227	0.500278
77.295	0.50057
77.429	0.500581
77.497	0.500123
77.629	0.500504

30m_1000nm

77.697	0.500995
77.83	0.500995
77.897	0.500947
78.031	0.501332
78.101	0.501262
78.232	0.50148
78.298	0.502698
78.433	0.503296
78.5	0.503803
78.634	0.504652
78.703	0.505382
78.835	0.505209
78.903	0.504464
79.036	0.503383
79.103	0.501763
79.237	0.501548
79.307	0.501187
79.439	0.501454
79.506	0.50257
79.639	0.502999
79.706	0.503614
79.84	0.504755
79.91	0.505872
80.041	0.506078
80.108	0.506162
80.242	0.506238
80.309	0.505782
80.443	0.505094
80.513	0.504842
80.645	0.50475
80.711	0.504513
80.845	0.5048
80.912	0.504948
81.046	0.505152
81.116	0.50501
81.249	0.504308
81.314	0.50409
81.449	0.503622
81.516	0.502279
81.649	0.502279
81.72	0.501838
81.851	0.501521
81.918	0.501237
82.051	0.501307
82.118	0.501309
82.252	0.501628
82.321	0.501805
82.453	0.501631
82.521	0.50092

30m_1000nm

82.654	0.500239
82.721	0.499509
82.855	0.498989
82.925	0.498494
83.056	0.498088
83.124	0.498322
83.257	0.498697
83.324	0.500113
83.458	0.500191
83.529	0.499541
83.659	0.499162
83.726	0.498769
83.86	0.4991
83.927	0.499696
84.061	0.500581
84.131	0.502156
84.262	0.50277
84.329	0.503164
84.463	0.503709
84.531	0.503206
84.665	0.503505
84.734	0.503073
84.865	0.502591
84.932	0.500257
85.067	0.498429
85.134	0.498429
85.267	0.498245
85.337	0.497362
85.468	0.497362
85.535	0.496915
85.669	0.497134
85.736	0.497506
85.87	0.498751
85.94	0.501173
86.071	0.502394
86.094	0.503792
86.273	0.505452
86.295	0.507704
86.473	0.508389
86.495	0.508902
86.675	0.508781
86.695	0.508067
86.875	0.50775
86.895	0.50713
87.076	0.506722
87.095	0.505399
87.277	0.505199
87.295	0.504995
87.478	0.505319

30m_1000nm

87.494	0.505441
87.679	0.50583
87.694	0.50578
87.88	0.505492
87.894	0.505115
88.081	0.504307
88.095	0.503998
88.282	0.502902
88.294	0.501988
88.483	0.501199
88.494	0.501264
88.684	0.501203
88.695	0.501695
88.885	0.502194
88.896	0.503372
89.087	0.504114
89.096	0.504869
89.287	0.506037
89.298	0.506448
89.488	0.505798
89.498	0.504922
89.689	0.504143
89.7	0.502892
89.89	0.502542
89.899	0.502439
90.091	0.502337
90.102	0.502111
90.292	0.501837
90.302	0.501868
90.493	0.501259
90.504	0.500518
90.695	0.500291
90.704	0.500405
90.795	0.500475
90.897	0.500475
90.994	0.501392
91.097	0.501392
91.195	0.501571
91.297	0.501571
91.394	0.501235
91.498	0.501235
91.595	0.502671
91.699	0.502671
91.795	0.505492
91.9	0.505492
91.995	0.506142
92.101	0.506142
92.195	0.505723
92.303	0.505431

30m_1000nm

92.395	0.503301
92.503	0.503301
92.595	0.501419
92.704	0.501419
92.794	0.50006
92.905	0.50006
92.994	0.50078
93.107	0.50078
93.195	0.500568
93.307	0.500568
93.395	0.499735
93.508	0.499735
93.594	0.498467
93.709	0.498467
93.794	0.498087
93.91	0.498087
93.994	0.497712
94.111	0.497712
94.195	0.498044
94.312	0.498044
94.395	0.500431
94.513	0.500431
94.595	0.502824
94.715	0.502824
94.794	0.50447
94.915	0.504775
94.994	0.505194
95.116	0.505194
95.195	0.50444
95.317	0.503007
95.395	0.500674
95.518	0.500674
95.594	0.498858
95.719	0.497804
95.795	0.496025
95.921	0.496025
95.995	0.495409
96.121	0.495571
96.194	0.496911
96.322	0.496911
96.394	0.499028
96.523	0.499028
96.595	0.500258
96.724	0.500258
96.796	0.499929
96.925	0.499929
96.995	0.50001
97.126	0.50001
97.194	0.4998

30m_1000nm

97.327	0.499441
97.398	0.498835
97.528	0.497866
97.596	0.497095
97.729	0.496429
97.797	0.495464
97.93	0.495106
98.001	0.494977
98.131	0.495509
98.199	0.497621
98.332	0.498941
98.401	0.500484
98.533	0.501545
98.604	0.504063
98.734	0.505324
98.802	0.506309
98.935	0.506763
99.004	0.506293
99.136	0.505929
99.207	0.505235
99.337	0.504305
99.405	0.501882
99.538	0.500793
99.606	0.499905
99.739	0.499033
99.809	0.497341
99.941	0.497302
100.008	0.49756
100.141	0.498216
100.209	0.500076
100.343	0.500076
100.414	0.501192
100.543	0.501575
100.611	0.50205
100.745	0.502306
100.812	0.502583
100.945	0.502841
101.016	0.50279
101.146	0.502036
101.214	0.500964
101.347	0.500003
101.415	0.499817
101.548	0.500205
101.619	0.500376
101.749	0.500443
101.817	0.500477
101.95	0.500955
102.017	0.501853
102.151	0.502761

30m_1000nm

102.222	0.504093
102.353	0.505656
102.421	0.507596
102.553	0.507792
102.621	0.507749
102.754	0.507191
102.825	0.505368
102.955	0.504124
103.023	0.502853
103.156	0.50224
103.224	0.50168
103.357	0.501644
103.429	0.501441
103.559	0.501359
103.626	0.50335
103.759	0.505079
103.827	0.506328
103.96	0.507653
104.03	0.508873
104.161	0.508873
104.229	0.508018
104.362	0.50738
104.43	0.506594
104.563	0.506018
104.635	0.505617
104.765	0.505338
104.832	0.50486
104.965	0.504549
105.033	0.504244
105.166	0.503863
105.237	0.503519
105.367	0.503373
105.435	0.503721
105.569	0.503586
105.636	0.503212
105.769	0.502682
105.841	0.500796
105.97	0.499678
105.994	0.498505
106.171	0.497345
106.195	0.495188
106.372	0.494056
106.394	0.493905
106.573	0.494271
106.595	0.497248
106.774	0.498909
106.794	0.500391
106.975	0.501395
106.994	0.502191

30m_1000nm

107.176	0.502424
107.194	0.50232
107.377	0.502091
107.395	0.501843
107.579	0.501402
107.594	0.500632
107.78	0.499465
107.795	0.498541
107.981	0.497182
107.995	0.495731
108.182	0.495991
108.195	0.49653
108.383	0.496884
108.394	0.498355
108.585	0.499155
108.594	0.500068
108.785	0.501062
108.795	0.503776
108.986	0.505121
108.996	0.506135
109.187	0.507222
109.198	0.507294
109.388	0.506381
109.398	0.505646
109.589	0.50494
109.6	0.505759
109.79	0.506724
109.801	0.507526
109.991	0.508606
110.003	0.50947
110.192	0.509536
110.202	0.509102
110.393	0.508208
110.403	0.508207
110.594	0.507479
110.603	0.506747
110.694	0.506089
110.795	0.506089
110.895	0.504179
110.997	0.504179
111.095	0.502638
111.197	0.502638
111.295	0.501063
111.398	0.500829
111.494	0.500602
111.599	0.500602
111.695	0.500832
111.8	0.500832
111.894	0.501797

30m_1000nm

112.001	0.501797
112.095	0.502202
112.203	0.502202
112.295	0.500865
112.403	0.500865
112.495	0.499902
112.604	0.499902
112.694	0.500215
112.805	0.500215
112.895	0.501198
113.006	0.501198
113.094	0.502912
113.207	0.502912
113.294	0.502567
113.408	0.502567
113.495	0.499104
113.609	0.499104
113.695	0.497514
113.811	0.497514
113.894	0.496256
114.011	0.495783
114.095	0.49581
114.212	0.49581
114.294	0.497
114.413	0.497333
114.495	0.497101
114.614	0.497101
114.695	0.497251
114.815	0.49713
114.895	0.497483
115.016	0.497483
115.095	0.497139
115.218	0.497694
115.294	0.498274
115.419	0.498274
115.495	0.499025
115.621	0.499025
115.694	0.500037
115.821	0.500037
115.895	0.501339
116.022	0.501339
116.094	0.501367
116.223	0.501367
116.294	0.500252
116.424	0.500252
116.495	0.499316
116.625	0.499291
116.695	0.500103
116.826	0.501514

30m_1000nm

116.895	0.502189
117.027	0.501998
117.096	0.501762
117.228	0.501249
117.298	0.501089
117.429	0.500752
117.496	0.500656
117.63	0.501092
117.697	0.502637
117.831	0.502721
117.901	0.502999
118.032	0.503289
118.099	0.504306
118.233	0.504778
118.301	0.505116
118.435	0.505636
118.504	0.50445
118.635	0.503316
118.702	0.5027
118.836	0.501829
118.903	0.501824
119.037	0.501672
119.107	0.502199
119.238	0.502241
119.305	0.501683
119.439	0.501683
119.506	0.501337
119.64	0.501639
119.71	0.502329
119.841	0.503292
119.908	0.505442
120.042	0.506759
120.109	0.508084
120.243	0.509033
120.313	0.509507
120.444	0.509379
120.511	0.508317
120.645	0.506441
120.711	0.502464
120.847	0.501169
120.916	0.500049
121.047	0.499567
121.115	0.498243
121.248	0.498105
121.315	0.498459
121.449	0.498507
121.519	0.500765
121.65	0.502536
121.717	0.504035

30m_1000nm

121.851	0.505593
121.918	0.506933
122.052	0.506683
122.122	0.505842
122.253	0.505385
122.32	0.504495
122.454	0.504783
122.521	0.505195
122.655	0.505734
122.724	0.507155
122.857	0.507004
122.923	0.50731
123.059	0.507349
123.125	0.506486
123.259	0.506486
123.329	0.505275
123.46	0.504934
123.527	0.504788
123.661	0.504764
123.728	0.504894
123.863	0.504838
123.932	0.504912
124.063	0.504105
124.131	0.503118
124.265	0.502431
124.331	0.502051
124.465	0.50197
124.535	0.500625
124.666	0.500295
124.733	0.500141
124.867	0.500205
124.934	0.500053
125.068	0.499824
125.138	0.49995
125.269	0.499888
125.336	0.501052
125.47	0.50083
125.537	0.500265
125.671	0.499436
125.695	0.496527
125.872	0.495265
125.895	0.494596
126.073	0.494952
126.095	0.497076
126.275	0.498273
126.294	0.49926
126.475	0.499976
126.495	0.500242
126.677	0.499893

30m_1000nm

126.694	0.499612
126.877	0.499575
126.895	0.499881
127.079	0.500414
127.095	0.502608
127.279	0.504702
127.295	0.506696
127.481	0.507992
127.495	0.50912
127.681	0.508899
127.695	0.508292
127.882	0.507328
127.895	0.503843
128.083	0.502726
128.095	0.501601
128.284	0.500684
128.295	0.500088
128.485	0.500001
128.496	0.500236
128.687	0.500254
128.697	0.502082
128.887	0.503081
128.899	0.504128
129.088	0.50518
129.099	0.506339
129.289	0.508033
129.3	0.508314
129.49	0.508094
129.499	0.506952
129.691	0.50331
129.703	0.501238
129.892	0.499448
129.903	0.497812
130.093	0.495462
130.103	0.494607
130.294	0.49424
130.303	0.493946
130.396	0.494978
130.497	0.494978
130.594	0.498017
130.697	0.498017
130.795	0.502369
130.899	0.502369
130.995	0.506375
131.099	0.506375
131.194	0.50715
131.3	0.50715
131.394	0.506824
131.501	0.506824

30m_1000nm

131.594	0.506592
131.702	0.506592
131.794	0.50404
131.903	0.50404
131.994	0.503224
132.105	0.503224
132.195	0.503953
132.306	0.503953
132.395	0.503856
132.507	0.503856
132.595	0.503449
132.707	0.503449
132.794	0.502994
132.908	0.502994
132.994	0.502935
133.109	0.502725
133.195	0.501038
133.311	0.501038
133.395	0.498365
133.511	0.49807
133.595	0.498988
133.713	0.498988
133.794	0.500386
133.913	0.501031
133.994	0.501641
134.114	0.501641
134.194	0.500524
134.315	0.499714
134.394	0.497898
134.516	0.497898
134.594	0.497743
134.717	0.497743
134.795	0.497986
134.918	0.497986
134.994	0.49942
135.119	0.49942
135.194	0.502087
135.32	0.502087
135.394	0.501826
135.521	0.501826
135.594	0.499634
135.722	0.498325
135.795	0.496974
135.923	0.496974
135.995	0.496948
136.124	0.497698
136.194	0.498946
136.325	0.498946
136.395	0.500076

30m_1000nm

136.526	0.500583
136.596	0.501096
136.727	0.50105
136.794	0.501277
136.928	0.501154
136.995	0.501297
137.129	0.501684
137.199	0.50208
137.33	0.5021
137.397	0.5022
137.531	0.502068
137.598	0.502291
137.732	0.502159
137.802	0.501661
137.933	0.500508
138	0.498547
138.135	0.497727
138.201	0.497508
138.335	0.497161
138.406	0.49713
138.536	0.49713
138.604	0.49778
138.737	0.497418
138.805	0.497187
138.938	0.497438
139.008	0.499071
139.139	0.499336
139.207	0.499092
139.34	0.499122
139.408	0.499358
139.541	0.500071
139.611	0.500883
139.742	0.501943
139.809	0.504021
139.943	0.504939
140.011	0.505135
140.144	0.505233
140.214	0.504704
140.345	0.50413
140.412	0.503312
140.546	0.502695
140.613	0.501895
140.747	0.501934
140.817	0.501261
140.948	0.500582
141.015	0.499957
141.149	0.499745
141.216	0.4991
141.35	0.498701

30m_1000nm

141.42	0.498509
141.551	0.498546
141.618	0.498708
141.752	0.499056
141.82	0.499529
141.954	0.500671
142.024	0.500671
142.154	0.501162
142.222	0.500395
142.355	0.500395
142.423	0.49926
142.556	0.498863
142.626	0.498558
142.757	0.498439
142.824	0.498818
142.958	0.499144
143.025	0.499989
143.159	0.500464
143.229	0.501643
143.36	0.502337
143.427	0.502565
143.561	0.502076
143.628	0.50099
143.762	0.500006
143.832	0.499051
143.963	0.498061
144.03	0.496149
144.164	0.495283
144.232	0.494141
144.365	0.492668
144.435	0.490681
144.566	0.489947
144.633	0.489203
144.767	0.488866
144.835	0.490922
144.969	0.492622
145.039	0.494774
145.169	0.496512
145.236	0.499996
145.37	0.501257
145.437	0.502754
145.571	0.50377
145.595	0.50429
145.774	0.502758
145.795	0.502758
145.973	0.501887
145.995	0.501239
146.174	0.500793
146.194	0.500306

30m_1000nm

146.375	0.500631
146.394	0.501206
146.576	0.501572
146.595	0.502097
146.777	0.502325
146.795	0.502691
146.978	0.503467
146.995	0.506268
147.179	0.507004
147.195	0.507281
147.381	0.50672
147.395	0.504563
147.581	0.503417
147.594	0.502602
147.782	0.501883
147.794	0.501255
147.983	0.500749
147.995	0.49987
148.184	0.499352
148.194	0.498772
148.385	0.496821
148.394	0.496554
148.586	0.496078
148.596	0.496217
148.787	0.497221
148.797	0.498375
148.988	0.499347
148.997	0.500527
149.189	0.502687
149.199	0.503286
149.39	0.503905
149.4	0.504003
149.592	0.505957
149.602	0.505957
149.793	0.506916
149.803	0.507538
149.993	0.508259
150.004	0.507824
150.094	0.507032
150.195	0.507032
150.295	0.504327
150.397	0.504327
150.495	0.501342
150.596	0.501342
150.695	0.50058
150.797	0.50058
150.894	0.501
150.998	0.501
151.095	0.501117

30m_1000nm

151.199	0.501117
151.294	0.501888
151.4	0.501888
151.495	0.502649
151.601	0.502649
151.695	0.502893
151.803	0.502893
151.895	0.502176
152.003	0.502176
152.094	0.500656
152.204	0.500656
152.295	0.500214
152.405	0.500214
152.494	0.500081
152.606	0.500044
152.695	0.500041
152.807	0.500041
152.895	0.499728
153.009	0.499577
153.094	0.499553
153.209	0.499553
153.294	0.499211
153.411	0.499211
153.494	0.498985
153.611	0.498985
153.695	0.498834
153.812	0.498834
153.895	0.500885
154.013	0.500885
154.095	0.502584
154.214	0.502584
154.295	0.504479
154.415	0.504479
154.495	0.503068
154.616	0.503068
154.694	0.499796
154.817	0.499796
154.894	0.498316
155.018	0.498316
155.094	0.497808
155.219	0.497951
155.295	0.499218
155.42	0.499218
155.495	0.500364
155.621	0.500558
155.695	0.500919
155.822	0.500919
155.895	0.501062
156.023	0.500822

30m_1000nm

156.095	0.5005
156.225	0.5005
156.295	0.499415
156.425	0.499338
156.495	0.499729
156.626	0.50024
156.694	0.500645
156.827	0.500462
156.894	0.500558
157.028	0.501259
157.098	0.502598
157.229	0.502598
157.296	0.503148
157.43	0.503168
157.497	0.502761
157.631	0.502358
157.701	0.499966
157.832	0.499108
157.899	0.498566
158.033	0.497491
158.1	0.496717
158.234	0.497194
158.304	0.497818
158.435	0.498473
158.502	0.49934
158.636	0.499729
158.703	0.500587
158.837	0.501179
158.907	0.502033
159.038	0.502384
159.106	0.502196
159.239	0.50219
159.307	0.502051
159.44	0.501476
159.51	0.500989
159.641	0.500541
159.708	0.498681
159.842	0.497804
159.909	0.496603
160.043	0.495774
160.113	0.495039
160.244	0.49505
160.311	0.495391
160.445	0.495949
160.512	0.497757
160.646	0.498605
160.716	0.49971
160.847	0.500694
160.914	0.501957

30m_1000nm

161.048	0.501957
161.115	0.5003
161.249	0.498944
161.318	0.498167
161.45	0.498122
161.517	0.498746
161.651	0.499415
161.719	0.500014
161.852	0.500492
161.922	0.50102
162.053	0.501007
162.121	0.500309
162.255	0.499552
162.32	0.498289
162.455	0.498548
162.525	0.499344
162.657	0.500707
162.724	0.504033
162.857	0.505362
162.925	0.506955
163.059	0.507919
163.128	0.508061
163.259	0.507126
163.327	0.506458
163.46	0.505654
163.527	0.504075
163.661	0.503253
163.731	0.501974
163.863	0.500844
163.929	0.498878
164.063	0.498466
164.13	0.497882
164.265	0.497506
164.334	0.498124
164.466	0.49893
164.532	0.499588
164.666	0.501518
164.733	0.504689
164.867	0.504689
164.937	0.504033
165.068	0.503434
165.135	0.502834
165.269	0.502859
165.336	0.502977
165.47	0.502187
165.54	0.501258
165.671	0.500229
165.695	0.500195
165.872	0.500388

30m_1000nm

165.894	0.500757
166.073	0.50136
166.094	0.502568
166.274	0.502628
166.295	0.503143
166.475	0.504248
166.494	0.505694
166.677	0.506167
166.694	0.506427
166.877	0.506559
166.894	0.505981
167.078	0.505338
167.095	0.504099
167.279	0.502596
167.294	0.500404
167.48	0.500148
167.495	0.499806
167.681	0.499708
167.694	0.499822
167.883	0.499357
167.894	0.498859
168.083	0.497865
168.094	0.497133
168.285	0.49602
168.295	0.495693
168.485	0.495229
168.496	0.495234
168.686	0.495341
168.697	0.495362
168.887	0.496016
168.898	0.496744
169.088	0.497864
169.1	0.499199
169.289	0.499744
169.299	0.500166
169.49	0.500177
169.501	0.500099
169.691	0.499675
169.701	0.499447
169.892	0.499013
169.902	0.498095
170.093	0.497249
170.103	0.496393
170.194	0.495636
170.295	0.495636
170.395	0.494309
170.497	0.494309
170.595	0.493268
170.697	0.493268

30m_1000nm

170.794	0.495152
170.897	0.495152
170.994	0.497365
171.099	0.497365
171.195	0.500699
171.299	0.500699
171.395	0.502231
171.5	0.502231
171.595	0.50271
171.701	0.50273
171.794	0.501698
171.903	0.501698
171.995	0.500781
172.105	0.501217
172.194	0.5011
172.305	0.5011
172.394	0.501894
172.505	0.501894
172.594	0.502988
172.707	0.502988
172.795	0.50167
172.907	0.50167
172.995	0.497388
173.108	0.497388
173.195	0.49494
173.309	0.49494
173.395	0.4938
173.51	0.4938
173.595	0.495072
173.711	0.495072
173.794	0.498788
173.912	0.498788
173.994	0.50114
174.113	0.50114
174.194	0.502037
174.314	0.501946
174.395	0.499639
174.515	0.499639
174.595	0.496984
174.716	0.495409
174.795	0.493902
174.917	0.493902
174.994	0.494638
175.118	0.495605
175.194	0.497552
175.319	0.497552
175.394	0.498623
175.52	0.499228
175.595	0.499499

30m_1000nm

175.721	0.499499
175.795	0.499114
175.923	0.499114
175.995	0.49662
176.123	0.49662
176.194	0.496665
176.325	0.496665
176.395	0.497874
176.525	0.498587
176.594	0.499205
176.726	0.499205
176.795	0.499297
176.927	0.49927
176.997	0.499047
177.128	0.499134
177.195	0.500696
177.329	0.501206
177.397	0.501719
177.53	0.50134
177.6	0.499721
177.731	0.498136
177.798	0.496313
177.932	0.494479
177.999	0.492972
178.133	0.493396
178.203	0.4943
178.334	0.495546
178.401	0.497744
178.535	0.498584
178.602	0.499153
178.736	0.499231
178.805	0.499606
178.937	0.499511
179.004	0.498875
179.138	0.498028
179.205	0.495866
179.339	0.495501
179.409	0.494942
179.54	0.495251
179.608	0.496914
179.743	0.498426
179.808	0.498426
179.943	0.499436
180.011	0.499598
180.143	0.499746
180.211	0.498842
180.344	0.498059
180.411	0.497343
180.545	0.497075

30m_1000nm

180.615	0.496269
180.746	0.495572
180.813	0.494836
180.947	0.494463
181.014	0.494
181.148	0.49394
181.218	0.494611
181.349	0.495397
181.416	0.496593
181.55	0.49715
181.617	0.497715
181.751	0.498013
181.821	0.497865
181.952	0.497617
182.019	0.496967
182.153	0.496017
182.22	0.494674
182.354	0.494736
182.424	0.495115
182.555	0.496064
182.623	0.498701
182.756	0.499147
182.823	0.499304
182.957	0.499542
183.026	0.499095
183.158	0.498592
183.225	0.498349
183.359	0.497917
183.426	0.497535
183.56	0.497535
183.63	0.497882
183.761	0.498442
183.829	0.498996
183.962	0.499451
184.029	0.500068
184.163	0.500135
184.233	0.500098
184.364	0.499693
184.432	0.499366
184.565	0.499902
184.632	0.500748
184.766	0.50098
184.836	0.501054
184.967	0.500646
185.034	0.499821
185.168	0.499357
185.235	0.497977
185.369	0.497571
185.439	0.497449

30m_1000nm

185.57	0.497501
185.594	0.498863
185.771	0.499101
185.795	0.499318
185.972	0.499138
185.994	0.499549
186.173	0.49901
186.195	0.498888
186.375	0.499494
186.395	0.498761
186.575	0.4984
186.595	0.497804
186.777	0.497576
186.794	0.497257
186.977	0.497122
186.995	0.497382
187.178	0.497607
187.195	0.497622
187.379	0.497317
187.395	0.49781
187.58	0.498
187.595	0.498555
187.781	0.499257
187.794	0.499431
187.982	0.49939
187.995	0.499485
188.183	0.499083
188.195	0.496982
188.385	0.496594
188.394	0.496236
188.585	0.495648
188.595	0.49569
188.786	0.496282
188.795	0.497231
188.987	0.498659
188.998	0.50103
189.188	0.501732
189.198	0.501948
189.389	0.501396
189.399	0.500482
189.59	0.497936
189.602	0.496467
189.791	0.495281
189.801	0.494568
189.993	0.494328
190.002	0.49478
190.193	0.49557
190.204	0.495911
190.294	0.496115

30m_1000nm

190.395	0.496115
190.495	0.495975
190.596	0.495975
190.695	0.496811
190.797	0.497609
190.894	0.500783
190.998	0.500783
191.095	0.503974
191.199	0.503974
191.295	0.50519
191.4	0.50519
191.494	0.50353
191.601	0.50353
191.695	0.499154
191.802	0.499154
191.894	0.4968
192.003	0.4968
192.094	0.496765
192.204	0.496765
192.294	0.498099
192.407	0.498099
192.495	0.500748
192.606	0.500748
192.695	0.503808
192.807	0.503808
192.895	0.506757
193.008	0.506757
193.094	0.504465
193.209	0.504465
193.294	0.501705
193.41	0.500686
193.494	0.498921
193.611	0.498921
193.695	0.497823
193.812	0.49703
193.895	0.49619
194.013	0.49619
194.095	0.495909
194.214	0.496545
194.295	0.497724
194.415	0.497724
194.494	0.499374
194.617	0.499872
194.694	0.500486
194.817	0.500486
194.895	0.500129
195.018	0.500129
195.094	0.497409
195.219	0.497409

30m_1000nm

195.295	0.495085
195.42	0.495085
195.494	0.492873
195.621	0.492873
195.695	0.493365
195.822	0.493365
195.894	0.494893
196.023	0.495689
196.095	0.496353
196.224	0.496353
196.295	0.496551
196.425	0.496565
196.495	0.495889
196.626	0.495889
196.694	0.494448
196.827	0.494042
196.897	0.493596
197.028	0.493542
197.094	0.493853
197.229	0.494489
197.295	0.495308
197.43	0.496605
197.5	0.497843
197.631	0.497742
197.697	0.4972
197.832	0.496113
197.899	0.493943
198.033	0.49291
198.103	0.49231
198.234	0.491837
198.3	0.492811
198.435	0.494435
198.501	0.495902
198.636	0.497349
198.706	0.498266
198.837	0.498266
198.903	0.497893
199.038	0.497537
199.105	0.497533
199.239	0.497387
199.309	0.497241
199.44	0.497264
199.507	0.497365
199.641	0.496812
199.707	0.497102
199.843	0.497813
199.911	0.498773
200.043	0.499953
200.109	0.501483

30m_1000nm

200.244	0.502041
200.31	0.503007
200.445	0.502917
200.514	0.502776
200.646	0.502057
200.712	0.501722
200.847	0.501363
200.913	0.500195
201.048	0.500422
201.117	0.50102
201.249	0.501448
201.315	0.502338
201.45	0.502795
201.517	0.502898
201.651	0.502967
201.72	0.501899
201.852	0.501192
201.918	0.5001
202.053	0.499678
202.119	0.497934
202.255	0.497597
202.324	0.496847
202.456	0.496579
202.522	0.49539
202.657	0.49539
202.723	0.495405
202.858	0.495386
202.926	0.495166
203.059	0.495106
203.123	0.496119
203.26	0.496458
203.325	0.496477
203.462	0.496604
203.529	0.497055
203.662	0.497148
203.727	0.497812
203.863	0.498914
203.927	0.500522
204.064	0.501149
204.132	0.501215
204.265	0.501168
204.33	0.501518
204.466	0.500659
204.531	0.499924
204.667	0.498855
204.735	0.497683
204.868	0.497675
204.933	0.497305
205.069	0.497662

30m_1000nm

205.134	0.499064
205.27	0.499484
205.337	0.499817
205.471	0.500121
205.537	0.50011
205.672	0.499769
205.737	0.499937
205.873	0.499965
205.894	0.500137
206.074	0.500285
206.095	0.500813
206.275	0.501174
206.294	0.501909
206.476	0.502367
206.495	0.503016
206.677	0.503001
206.695	0.502378
206.878	0.502098
206.895	0.502754
207.079	0.50249
207.095	0.502332
207.28	0.502367
207.295	0.502026
207.481	0.502308
207.495	0.502057
207.682	0.501185
207.694	0.499665
207.883	0.499308
207.894	0.498758
208.084	0.498769
208.096	0.499459
208.285	0.499863
208.295	0.500491
208.486	0.500639
208.497	0.501231
208.687	0.501247
208.698	0.500803
208.888	0.500243
208.9	0.49958
209.089	0.498728
209.101	0.498947
209.29	0.498674
209.299	0.498674
209.491	0.498217
209.504	0.498041
209.692	0.497869
209.703	0.497824
209.794	0.498645
209.895	0.498645

30m_1000nm

209.995	0.498665
210.096	0.498665
210.195	0.497481
210.296	0.497481
210.394	0.496175
210.497	0.496175
210.595	0.495557
210.698	0.495557
210.795	0.496544
210.899	0.496544
210.994	0.496214
211.1	0.496214
211.195	0.493454
211.301	0.493454
211.395	0.491527
211.502	0.491527
211.595	0.491284
211.703	0.491284
211.794	0.493544
211.904	0.493544
211.995	0.496681
212.105	0.496681
212.195	0.497971
212.306	0.497971
212.395	0.498509
212.507	0.498509
212.594	0.497009
212.708	0.497009
212.795	0.495324
212.909	0.49417
212.994	0.493803
213.11	0.493803
213.195	0.493668
213.311	0.494014
213.395	0.495205
213.512	0.495205
213.594	0.497021
213.713	0.497907
213.794	0.499154
213.914	0.499154
213.994	0.499969
214.115	0.499969
214.194	0.499117
214.316	0.499117
214.395	0.496969
214.517	0.496969
214.595	0.494605
214.718	0.494605
214.795	0.493505

30m_1000nm

214.919	0.493505
214.995	0.49257
215.12	0.49257
215.195	0.492088
215.321	0.492088
215.395	0.492979
215.522	0.493533
215.595	0.495127
215.723	0.495127
215.795	0.497673
215.924	0.49859
215.995	0.49888
216.125	0.49888
216.194	0.498212
216.326	0.497991
216.394	0.498176
216.527	0.498176
216.595	0.497767
216.728	0.497245
216.794	0.496428
216.929	0.495275
216.995	0.493436
217.13	0.492948
217.195	0.492803
217.331	0.493653
217.397	0.494383
217.533	0.49435
217.596	0.494141
217.734	0.493717
217.798	0.493458
217.935	0.493982
218.001	0.495862
218.136	0.497441
218.199	0.498718
218.337	0.499926
218.4	0.502343
218.538	0.502456
218.604	0.501513
218.739	0.500383
218.802	0.497727
218.941	0.496732
219.003	0.496187
219.141	0.495401
219.207	0.495514
219.342	0.495396
219.405	0.495469
219.543	0.495169
219.606	0.49384
219.744	0.4935

30m_1000nm

219.809	0.493612
219.945	0.493721
220.008	0.493102
220.146	0.492682
220.209	0.492347
220.347	0.492256
220.413	0.492407
220.548	0.492671
220.611	0.493059
220.749	0.493518
220.812	0.493487
220.95	0.493299
221.016	0.493024
221.151	0.493158
221.215	0.493248
221.352	0.49375
221.415	0.494272
221.553	0.495177
221.619	0.495919
221.754	0.496722
221.817	0.498875
221.955	0.499156
222.017	0.498848
222.156	0.498242
222.222	0.496705
222.357	0.496116
222.421	0.49504
222.558	0.494449
222.621	0.492289
222.759	0.491172
222.826	0.490939
222.96	0.490977
223.023	0.49139
223.161	0.491912
223.225	0.492656
223.362	0.493809
223.429	0.495405
223.563	0.495081
223.626	0.494364
223.764	0.492912
223.827	0.491082
223.965	0.490721
224.031	0.490387
224.166	0.490592
224.229	0.491949
224.367	0.492913
224.431	0.494127
224.568	0.495189
224.634	0.496827

30m_1000nm

224.769	0.497021
224.832	0.496468
224.97	0.495713
225.035	0.493757
225.172	0.49306
225.238	0.492584
225.373	0.491939
225.436	0.492025
225.574	0.492295
225.636	0.492801
225.775	0.492831
225.794	0.492504
225.976	0.49196
225.994	0.490728
226.177	0.489689
226.195	0.489
226.379	0.488621
226.395	0.489892
226.579	0.490904
226.594	0.492172
226.78	0.49345
226.794	0.494156
226.981	0.494039
226.994	0.493718
227.182	0.493859
227.194	0.494707
227.383	0.495801
227.395	0.496483
227.584	0.496554
227.595	0.49523
227.785	0.494734
227.795	0.494601
227.987	0.494716
227.996	0.494816
228.187	0.495526
228.196	0.496323
228.388	0.496692
228.399	0.49691
228.589	0.498057
228.599	0.498707
228.79	0.499316
228.799	0.499555
228.992	0.49871
229.002	0.497986
229.192	0.49761
229.202	0.497411
229.393	0.497752
229.405	0.499146
229.494	0.499618

30m_1000nm

229.595	0.499618
229.694	0.49962
229.795	0.49962
229.895	0.497304
229.996	0.497304
230.095	0.495715
230.197	0.495715
230.295	0.495618
230.398	0.495618
230.494	0.495739
230.599	0.495739
230.694	0.494303
230.8	0.494303
230.895	0.492955
231.001	0.492955
231.095	0.491363
231.203	0.491363
231.295	0.490886
231.403	0.490886
231.494	0.491002
231.604	0.491002
231.694	0.49042
231.805	0.49042
231.894	0.490267
232.006	0.490709
232.094	0.491681
232.207	0.491681
232.295	0.491815
232.408	0.491673
232.494	0.491519
232.609	0.491519
232.694	0.491427
232.811	0.49167
232.895	0.492103
233.011	0.492103
233.094	0.492928
233.212	0.492928
233.294	0.494667
233.413	0.494667
233.495	0.496641
233.614	0.496641
233.695	0.498921
233.815	0.498921
233.895	0.499287
234.016	0.499287
234.094	0.497861
234.217	0.497861
234.294	0.497202
234.418	0.497202

30m_1000nm

234.495	0.495413
234.619	0.494733
234.694	0.495061
234.821	0.495061
234.895	0.494621
235.021	0.493835
235.095	0.490795
235.222	0.490795
235.295	0.487998
235.423	0.487799
235.494	0.489424
235.624	0.489424
235.694	0.493764
235.825	0.496102
235.895	0.499293
236.026	0.499293
236.095	0.499712
236.227	0.499343
236.295	0.499786
236.428	0.499786
236.494	0.500763
236.631	0.500254
236.695	0.500254
236.83	0.499017
236.895	0.497324
237.031	0.497324
237.094	0.4955
237.232	0.494322
237.297	0.493506
237.433	0.493198
237.495	0.494427
237.634	0.495315
237.697	0.496092
237.835	0.495967
237.9	0.496096
238.036	0.495562
238.099	0.494788
238.237	0.493843
238.299	0.49268
238.439	0.492847
238.503	0.493169
238.639	0.49318
238.701	0.493142
238.84	0.493603
238.902	0.494448
239.041	0.495655
239.106	0.498155
239.242	0.499272
239.304	0.499812

30m_1000nm

239.443	0.500015
239.504	0.497448
239.644	0.4963
239.709	0.495773
239.845	0.496182
239.907	0.496573
240.046	0.497333
240.109	0.498155
240.247	0.498925
240.312	0.499166
240.45	0.499415
240.51	0.499415
240.649	0.499505
240.711	0.499587
240.85	0.499714
240.915	0.500908
241.051	0.501171
241.113	0.500695
241.252	0.49987
241.314	0.497459
241.453	0.496921
241.518	0.49681
241.654	0.497198
241.716	0.498815
241.855	0.499122
241.917	0.49923
242.056	0.499231
242.122	0.498466
242.257	0.498641
242.319	0.499884
242.459	0.500986
242.52	0.501954
242.659	0.5025
242.724	0.502846
242.86	0.503498
242.921	0.503989
243.061	0.504366
243.123	0.50466
243.262	0.504394
243.327	0.503217
243.463	0.503042
243.525	0.502684
243.664	0.502549
243.726	0.501247
243.865	0.500573
243.931	0.499456
244.067	0.498907
244.128	0.498038
244.268	0.495442

30m_1000nm

244.329	0.495442
244.469	0.494864
244.532	0.494266
244.669	0.493792
244.731	0.493927
244.87	0.494274
244.932	0.494097
245.071	0.494613
245.137	0.494934
245.272	0.495147
245.334	0.49537
245.473	0.495555
245.535	0.495025
245.674	0.494947
245.739	0.495237
245.875	0.49582
245.937	0.497019
246.076	0.497371
246.094	0.497668
246.277	0.498083
246.295	0.499273
246.478	0.499328
246.494	0.498874
246.679	0.49856
246.694	0.497868
246.881	0.497359
246.895	0.497328
247.081	0.497409
247.094	0.497337
247.282	0.498571
247.295	0.499161
247.483	0.499333
247.495	0.498851
247.684	0.49746
247.695	0.497257
247.885	0.497146
247.895	0.496974
248.086	0.497038
248.097	0.497678
248.287	0.497939
248.297	0.498223
248.489	0.498834
248.499	0.499176
248.689	0.498995
248.699	0.498762
248.89	0.498427
248.901	0.498076
249.091	0.497595
249.1	0.497211

30m_1000nm

249.292	0.497169
249.304	0.497914
249.493	0.498602
249.503	0.499646
249.594	0.500913
249.695	0.500913
249.795	0.502775
249.897	0.502775
249.994	0.504102
250.096	0.504102
250.195	0.503968
250.297	0.503968
250.394	0.502584
250.499	0.502584
250.594	0.500973
250.699	0.500973
250.795	0.500818
250.9	0.500818
250.995	0.501135
251.101	0.501018
251.194	0.501556
251.302	0.501556
251.395	0.501068
251.503	0.500438
251.594	0.498639
251.704	0.498639
251.795	0.497299
251.905	0.497299
251.995	0.494736
252.106	0.494736
252.194	0.493203
252.307	0.493203
252.394	0.495436
252.508	0.495436
252.595	0.499285
252.709	0.499285
252.795	0.500561
252.91	0.500561
252.994	0.499546
253.111	0.499546
253.194	0.497622
253.312	0.497622
253.395	0.49658
253.513	0.49658
253.594	0.496593
253.714	0.496498
253.795	0.495956
253.915	0.495956
253.995	0.495834

30m_1000nm

254.116	0.495703
254.195	0.4964
254.317	0.4964
254.394	0.496817
254.518	0.496976
254.595	0.497623
254.719	0.497623
254.794	0.49746
254.921	0.496885
254.994	0.495568
255.121	0.495568
255.194	0.494804
255.322	0.494863
255.395	0.495775
255.523	0.495775
255.594	0.497307
255.725	0.497307
255.795	0.497576
255.925	0.497576
255.994	0.497507
256.126	0.497507
256.194	0.495931
256.327	0.494785
256.395	0.492146
256.528	0.492146
256.595	0.490099
256.729	0.489446
256.794	0.488642
256.93	0.488642
256.994	0.488678
257.131	0.489013
257.195	0.489705
257.332	0.490472
257.394	0.492919
257.533	0.494316
257.595	0.495584
257.735	0.496381
257.799	0.498361
257.935	0.498775
257.996	0.498993
258.136	0.498747
258.199	0.498278
258.337	0.498037
258.402	0.497804
258.539	0.497575
258.601	0.497036
258.739	0.497218
258.802	0.497698
258.94	0.49816

30m_1000nm

259.005	0.498985
259.141	0.498902
259.203	0.498073
259.342	0.497064
259.404	0.496541
259.543	0.49633
259.608	0.497109
259.744	0.497633
259.806	0.497858
259.945	0.498215
260.007	0.496259
260.146	0.495366
260.211	0.494526
260.347	0.494102
260.409	0.493789
260.549	0.493875
260.611	0.495041
260.749	0.496331
260.814	0.499219
260.95	0.500629
261.013	0.502093
261.151	0.503567
261.213	0.505379
261.352	0.504843
261.417	0.503579
261.553	0.501418
261.615	0.497745
261.754	0.496297
261.817	0.494828
261.955	0.493925
262.02	0.492492
262.156	0.492111
262.218	0.492249
262.357	0.492936
262.42	0.496071
262.559	0.497964
262.623	0.499649
262.759	0.500998
262.822	0.502481
262.961	0.503461
263.023	0.504566
263.161	0.505196
263.225	0.505252
263.362	0.504645
263.424	0.502311
263.563	0.50118
263.626	0.500064
263.764	0.499388
263.829	0.497632

30m_1000nm

263.965	0.496588
264.027	0.495798
264.166	0.495512
264.228	0.496312
264.367	0.496704
264.432	0.496674
264.568	0.496198
264.63	0.495787
264.769	0.495693
264.832	0.495447
264.97	0.495494
265.036	0.494146
265.171	0.492832
265.233	0.492099
265.372	0.491767
265.434	0.492233
265.573	0.493458
265.638	0.495026
265.774	0.496687
265.836	0.497536
265.975	0.496222
266.037	0.494198
266.176	0.492665
266.194	0.490983
266.377	0.490693
266.395	0.490723
266.578	0.491839
266.594	0.493592
266.781	0.496323
266.794	0.496323
266.98	0.49591
266.994	0.494834
267.181	0.493547
267.195	0.491468
267.382	0.490554
267.394	0.489842
267.583	0.489876
267.594	0.490157
267.784	0.490339
267.795	0.490373
267.985	0.490742
267.996	0.491922
268.187	0.492089
268.196	0.492238
268.387	0.491569
268.397	0.489699
268.589	0.488523
268.598	0.487411
268.789	0.48672

30m_1000nm

268.799	0.486383
268.99	0.487748
268.999	0.489087
269.191	0.490206
269.202	0.492051
269.392	0.494937
269.402	0.496033
269.593	0.496464
269.603	0.496691
269.794	0.495592
269.805	0.494809
269.895	0.493759
269.996	0.493759
270.096	0.492114
270.197	0.492114
270.295	0.492009
270.397	0.492009
270.495	0.493098
270.598	0.493098
270.694	0.492309
270.799	0.492309
270.895	0.492614
271	0.492614
271.094	0.492339
271.201	0.492339
271.295	0.492727
271.402	0.492727
271.494	0.496458
271.603	0.496458
271.695	0.498669
271.804	0.498669
271.894	0.501047
272.005	0.501047
272.095	0.499519
272.206	0.499519
272.295	0.496265
272.407	0.496265
272.494	0.496285
272.609	0.496285
272.694	0.498445
272.809	0.498445
272.894	0.501009
273.01	0.501009
273.094	0.503473
273.211	0.50429
273.295	0.504446
273.412	0.504446
273.495	0.502916
273.613	0.50169

30m_1000nm

273.695	0.498863
273.814	0.498863
273.894	0.495247
274.015	0.493998
274.094	0.492647
274.216	0.492647
274.295	0.491939
274.419	0.491936
274.495	0.491784
274.618	0.491784
274.694	0.491565
274.819	0.491565
274.894	0.491075
275.02	0.491075
275.095	0.490946
275.221	0.490946
275.295	0.49169
275.422	0.49169
275.495	0.491094
275.623	0.491094
275.695	0.489581
275.824	0.488702
275.894	0.486952
276.025	0.486952
276.095	0.4868
276.226	0.487474
276.294	0.489555
276.427	0.489555
276.494	0.490087
276.628	0.490326
276.694	0.490957
276.829	0.490957
276.895	0.489975
277.03	0.48992
277.094	0.490105
277.231	0.490419
277.295	0.491413
277.432	0.491368
277.494	0.491343
277.633	0.490993
277.698	0.490578
277.834	0.490091
277.896	0.489932
278.035	0.489918
278.097	0.49011
278.236	0.490137
278.301	0.490222
278.437	0.489997
278.499	0.489267

30m_1000nm

278.639	0.488596
278.701	0.487263
278.839	0.487087
278.903	0.48709
279.04	0.487667
279.103	0.488885
279.241	0.489793
279.303	0.490535
279.442	0.491663
279.507	0.493552
279.643	0.493646
279.706	0.493283
279.844	0.492991
279.905	0.493075
280.045	0.493338
280.109	0.493702
280.246	0.494011
280.309	0.494205
280.447	0.494638
280.509	0.49545
280.648	0.495623
280.713	0.495487
280.849	0.49481
280.911	0.493802
281.05	0.492932
281.112	0.49151
281.251	0.490624
281.316	0.489993
281.452	0.489613
281.514	0.489504
281.653	0.489588
281.715	0.49024
281.855	0.49083
281.918	0.491527
282.055	0.491547
282.118	0.490286
282.256	0.489724
282.319	0.489247
282.457	0.489038
282.522	0.489921
282.659	0.490527
282.721	0.491579
282.859	0.492301
282.921	0.493388
283.06	0.493249
283.125	0.493113
283.261	0.492808
283.323	0.492504
283.463	0.49251

30m_1000nm

283.525	0.492315
283.663	0.492432
283.728	0.494834
283.864	0.495842
283.926	0.497288
284.065	0.498857
284.127	0.501017
284.267	0.501563
284.331	0.501416
284.467	0.50184
284.529	0.502664
284.668	0.502972
284.731	0.502906
284.869	0.502445
284.934	0.499797
285.07	0.498276
285.132	0.496861
285.271	0.495767
285.334	0.49399
285.472	0.493825
285.538	0.493655
285.673	0.49415
285.737	0.494868
285.874	0.495752
285.937	0.49804
286.075	0.498928
286.095	0.500064
286.276	0.500563
286.295	0.501877
286.477	0.50259
286.495	0.502821
286.678	0.502851
286.694	0.500597
286.879	0.499474
286.894	0.498503
287.08	0.49751
287.095	0.495201
287.281	0.494014
287.295	0.493649
287.482	0.493319
287.494	0.493137
287.683	0.493023
287.695	0.493053
287.884	0.493236
287.895	0.49305
288.085	0.492987
288.095	0.492952
288.286	0.492618
288.296	0.49229

30m_1000nm

288.487	0.492692
288.497	0.493653
288.689	0.494674
288.698	0.496062
288.889	0.498318
288.899	0.498687
289.09	0.498902
289.102	0.498561
289.291	0.497561
289.301	0.496529
289.492	0.496209
289.502	0.496739
289.693	0.497821
289.705	0.500367
289.894	0.500817
289.904	0.500682
289.995	0.499601
290.096	0.499601
290.195	0.492147
290.296	0.492147
290.394	0.48791
290.497	0.48791
290.594	0.485809
290.699	0.485809
290.794	0.488277
290.899	0.488277
290.995	0.492628
291.1	0.492628
291.195	0.494317
291.301	0.494317
291.395	0.494634
291.503	0.494634
291.595	0.494244
291.703	0.494244
291.794	0.493247
291.904	0.493247
291.995	0.490927
292.105	0.490927
292.194	0.489401
292.306	0.489056
292.395	0.490075
292.507	0.490075
292.594	0.492012
292.708	0.49357
292.795	0.493712
292.909	0.493712
292.995	0.491189
293.111	0.48964
293.194	0.48834

30m_1000nm

293.312	0.48834
293.394	0.488443
293.513	0.488443
293.594	0.490439
293.713	0.490439
293.794	0.492465
293.914	0.492465
293.994	0.495896
294.115	0.495896
294.195	0.496893
294.316	0.496893
294.394	0.493783
294.517	0.493783
294.595	0.491251
294.718	0.491251
294.794	0.488962
294.919	0.488318
294.995	0.488931
295.12	0.488931
295.195	0.490458
295.321	0.491533
295.395	0.49263
295.522	0.49263
295.595	0.492436
295.723	0.492989
295.794	0.494257
295.924	0.494257
295.994	0.495459
296.125	0.495494
296.195	0.495259
296.326	0.495259
296.395	0.494415
296.527	0.494641
296.595	0.494065
296.728	0.494065
296.795	0.494167
296.93	0.494915
296.997	0.494915
297.131	0.495291
297.194	0.495744
297.331	0.496131
297.395	0.497103
297.533	0.497194
297.599	0.497224
297.733	0.497142
297.797	0.496163
297.934	0.495637
297.998	0.494822
298.135	0.493679

30m_1000nm

298.202	0.492377
298.336	0.491996
298.401	0.49176
298.537	0.491904
298.601	0.492296
298.739	0.492717
298.805	0.493386
298.939	0.494026
299.004	0.494886
299.141	0.495456
299.204	0.496074
299.341	0.496246
299.408	0.496414
299.542	0.496832
299.607	0.49681
299.743	0.496485
299.807	0.496272
299.944	0.495631
300.011	0.494557
300.145	0.493672
300.209	0.492575
300.346	0.492695
300.411	0.493513
300.547	0.494368
300.614	0.496613
300.748	0.496613
300.812	0.499256
300.949	0.500342
301.013	0.501153
301.15	0.501704
301.217	0.501937
301.351	0.50155
301.415	0.500653
301.552	0.500323
301.616	0.500467
301.753	0.501451
301.82	0.501479
301.955	0.501065
302.019	0.497938
302.155	0.496146
302.219	0.495011
302.356	0.494129
302.423	0.493794
302.557	0.49358
302.621	0.493355
302.759	0.492468
302.822	0.489958
302.959	0.489414
303.026	0.489711

30m_1000nm

303.16	0.489975
303.224	0.491263
303.361	0.492228
303.425	0.493225
303.562	0.493723
303.629	0.495225
303.763	0.496032
303.827	0.496291
303.964	0.496248
304.028	0.495256
304.165	0.494873
304.232	0.494247
304.366	0.49351
304.431	0.491146
304.568	0.4889
304.631	0.4889
304.769	0.487875
304.835	0.487016
304.969	0.48658
305.034	0.487227
305.17	0.488047
305.234	0.488577
305.371	0.489241
305.438	0.490016
305.572	0.489708
305.637	0.489297
305.773	0.488003
305.794	0.484363
305.974	0.483403
305.994	0.483457
306.175	0.483747
306.194	0.485152
306.377	0.486588
306.394	0.488392
306.577	0.489568
306.595	0.491135
306.778	0.491288
306.795	0.491197
306.979	0.491123
306.995	0.489706
307.181	0.488662
307.195	0.487488
307.381	0.486772
307.395	0.485526
307.582	0.485508
307.594	0.485552
307.783	0.485989
307.795	0.486267
307.984	0.486619

30m_1000nm

307.994	0.486887
308.185	0.486947
308.194	0.487554
308.386	0.488035
308.397	0.489048
308.587	0.490157
308.598	0.491187
308.788	0.491842
308.801	0.492108
308.989	0.491847
309	0.491771
309.19	0.492405
309.2	0.494433
309.391	0.494148
309.401	0.493598
309.592	0.492784
309.603	0.491851
309.793	0.492006
309.803	0.492497
309.994	0.493135
310.005	0.493596
310.094	0.493672
310.195	0.493672
310.295	0.493764
310.396	0.493764
310.494	0.491884
310.597	0.491884
310.695	0.488196
310.798	0.488196
310.895	0.484697
310.999	0.484697
311.095	0.484887
311.2	0.484887
311.294	0.487054
311.401	0.488361
311.494	0.490956
311.603	0.490956
311.694	0.491896
311.803	0.491496
311.894	0.490845
312.004	0.490845
312.094	0.49069
312.205	0.49069
312.295	0.489376
312.406	0.489376
312.494	0.488194
312.607	0.488194
312.694	0.485427
312.808	0.485427

30m_1000nm

312.895	0.485031
313.009	0.485031
313.094	0.486617
313.211	0.486617
313.295	0.487604
313.411	0.487604
313.495	0.486382
313.613	0.486382
313.694	0.484857
313.813	0.484857
313.895	0.485541
314.014	0.486551
314.095	0.489081
314.215	0.489081
314.295	0.490745
314.416	0.491443
314.494	0.491609
314.617	0.491609
314.695	0.492385
314.818	0.492704
314.894	0.493201
315.019	0.493201
315.094	0.494646
315.221	0.495608
315.294	0.495891
315.421	0.495891
315.495	0.495575
315.622	0.495444
315.694	0.495404
315.823	0.495404
315.895	0.495274
316.024	0.495274
316.095	0.495484
316.225	0.495484
316.294	0.496638
316.427	0.496638
316.494	0.498039
316.627	0.498786
316.695	0.4996
316.829	0.4996
316.896	0.499917
317.029	0.499096
317.095	0.496894
317.23	0.496894
317.294	0.496016
317.431	0.495592
317.499	0.495031
317.632	0.49412
317.696	0.493586

30m_1000nm

317.833	0.493963
317.897	0.494774
318.035	0.495268
318.102	0.496295
318.235	0.495935
318.299	0.494848
318.436	0.493896
318.5	0.492807
318.637	0.492382
318.705	0.492518
318.838	0.492956
318.902	0.492742
319.039	0.492224
319.103	0.492023
319.24	0.492185
319.307	0.492823
319.443	0.493291
319.505	0.494179
319.643	0.495098
319.706	0.496075
319.844	0.496763
319.91	0.497118
320.045	0.496727
320.109	0.496028
320.246	0.495024
320.309	0.493352
320.447	0.491851
320.513	0.490456
320.648	0.4893
320.711	0.486577
320.849	0.485406
320.912	0.485007
321.05	0.484437
321.116	0.4848
321.251	0.486045
321.314	0.487376
321.452	0.48847
321.514	0.490302
321.653	0.490769
321.719	0.491403
321.854	0.491606
321.917	0.491563
322.055	0.491648
322.118	0.491802
322.256	0.492592
322.323	0.493884
322.457	0.493981
322.52	0.493825
322.658	0.493722

30m_1000nm

322.721	0.493522
322.859	0.492838
322.925	0.492275
323.06	0.491784
323.123	0.489745
323.261	0.488898
323.325	0.488206
323.462	0.48778
323.528	0.487253
323.663	0.487194
323.726	0.486961
323.864	0.487294
323.927	0.487874
324.065	0.488359
324.131	0.490089
324.266	0.490538
324.33	0.491036
324.467	0.491448
324.53	0.492203
324.668	0.492564
324.734	0.492503
324.869	0.492295
324.933	0.491671
325.07	0.491055
325.133	0.490788
325.271	0.490244
325.337	0.489703
325.472	0.48983
325.535	0.490153
325.673	0.491013
325.736	0.492989
325.874	0.493288
325.94	0.49336
326.075	0.493569
326.094	0.49357
326.276	0.493574
326.295	0.493671
326.477	0.493536
326.495	0.49333
326.679	0.493013
326.695	0.492881
326.879	0.493118
326.894	0.493619
327.081	0.495184
327.095	0.496042
327.282	0.496785
327.295	0.497696
327.483	0.498149
327.495	0.497609

30m_1000nm

327.684	0.496403
327.694	0.494763
327.885	0.493346
327.896	0.491284
328.086	0.490527
328.096	0.490094
328.287	0.489595
328.298	0.489194
328.488	0.489791
328.498	0.490215
328.689	0.490838
328.701	0.492242
328.89	0.493197
328.901	0.493617
329.091	0.49357
329.101	0.491663
329.292	0.489995
329.302	0.488647
329.493	0.487389
329.503	0.486631
329.694	0.486519
329.704	0.487693
329.794	0.488999
329.895	0.488999
329.995	0.491897
330.096	0.491897
330.194	0.493495
330.297	0.493495
330.394	0.494262
330.498	0.494262
330.594	0.49312
330.699	0.49312
330.795	0.490849
330.9	0.490514
330.994	0.491382
331.101	0.491382
331.195	0.493757
331.302	0.493757
331.395	0.495782
331.503	0.495782
331.595	0.494732
331.705	0.494732
331.795	0.49409
331.905	0.49409
331.995	0.494218
332.106	0.494218
332.194	0.49271
332.307	0.49271
332.394	0.491803

30m_1000nm

332.508	0.491803
332.595	0.492694
332.709	0.492694
332.794	0.49216
332.91	0.49216
332.994	0.489493
333.111	0.489493
333.195	0.489917
333.312	0.489917
333.394	0.491395
333.513	0.491899
333.595	0.493166
333.714	0.493166
333.794	0.492699
333.915	0.492579
333.994	0.49074
334.116	0.49074
334.194	0.4887
334.317	0.487989
334.394	0.488513
334.518	0.488513
334.595	0.490023
334.72	0.490596
334.795	0.491094
334.921	0.491094
334.995	0.491114
335.123	0.491114
335.195	0.489752
335.323	0.489752
335.394	0.488788
335.524	0.488788
335.594	0.488499
335.725	0.488957
335.795	0.490522
335.926	0.490522
335.995	0.492239
336.127	0.492709
336.195	0.492682
336.328	0.492682
336.395	0.49227
336.529	0.49139
336.595	0.4905
336.73	0.4905
336.794	0.490906
336.931	0.49125
336.995	0.492649
337.132	0.492649
337.195	0.493932
337.333	0.49479

30m_1000nm

337.397	0.495562
337.535	0.496192
337.596	0.495267
337.736	0.493433
337.796	0.491664
337.936	0.489711
338	0.488119
338.137	0.487848
338.198	0.487608
338.338	0.487775
338.401	0.489534
338.54	0.4901
338.604	0.490731
338.74	0.491142
338.801	0.491339
338.941	0.491395
339.003	0.492274
339.142	0.491913
339.205	0.491336
339.343	0.490466
339.404	0.490284
339.544	0.490609
339.605	0.490274
339.745	0.490106
339.809	0.488772
339.947	0.488255
340.007	0.487392
340.147	0.486887
340.208	0.486366
340.348	0.486646
340.412	0.48697
340.549	0.487564
340.61	0.488083
340.75	0.488045
340.811	0.487995
340.951	0.487978
341.015	0.487278
341.153	0.487188
341.214	0.487446
341.353	0.487854
341.414	0.488582
341.554	0.488707
341.618	0.488583
341.755	0.488585
341.816	0.488081
341.956	0.48722
342.017	0.486704
342.157	0.486496
342.22	0.486036

30m_1000nm

342.359	0.485558
342.419	0.485666
342.56	0.485864
342.621	0.486212
342.761	0.486946
342.824	0.487368
342.962	0.487446
343.023	0.487638
343.163	0.488208
343.224	0.488825
343.365	0.488883
343.427	0.48892
343.565	0.489035
343.625	0.489859
343.766	0.490426
343.826	0.490712
343.967	0.490595
344.031	0.488899
344.168	0.488486
344.228	0.488026
344.369	0.487307
344.429	0.486303
344.57	0.486026
344.633	0.485785
344.771	0.486028
344.831	0.487464
344.972	0.488624
345.033	0.490436
345.173	0.49191
345.237	0.494278
345.374	0.495126
345.434	0.495388
345.575	0.495361
345.635	0.494793
345.776	0.494305
345.84	0.49342
345.977	0.492708
346.038	0.491805
346.179	0.488931
346.195	0.487741
346.379	0.487229
346.395	0.4866
346.58	0.486349
346.595	0.487117
346.781	0.488226
346.795	0.488804
346.982	0.489395
346.994	0.489543
347.183	0.489273

30m_1000nm

347.194	0.489068
347.384	0.488215
347.395	0.486284
347.585	0.485882
347.595	0.485741
347.786	0.48522
347.797	0.48338
347.987	0.483068
347.998	0.482599
348.188	0.482443
348.199	0.482765
348.389	0.483034
348.4	0.483712
348.591	0.48429
348.6	0.485122
348.791	0.486147
348.802	0.487109
348.992	0.487598
349.003	0.487879
349.193	0.487282
349.203	0.487289
349.294	0.48746
349.395	0.48746
349.494	0.486843
349.595	0.486843
349.695	0.486892
349.796	0.486892
349.894	0.487608
349.998	0.488405
350.095	0.489041
350.198	0.489041
350.294	0.489721
350.399	0.489721
350.495	0.489728
350.6	0.489728
350.695	0.489213
350.801	0.489213
350.894	0.488204
351.002	0.488204
351.095	0.487791
351.203	0.487791
351.295	0.490748
351.404	0.490748
351.494	0.493415
351.605	0.493415
351.694	0.496094
351.807	0.496094
351.894	0.497862
352.007	0.497862

30m_1000nm

352.095	0.497286
352.209	0.497286
352.295	0.494625
352.409	0.494625
352.495	0.491515
352.611	0.48978
352.694	0.487584
352.811	0.487584
352.894	0.486219
353.012	0.485761
353.094	0.486798
353.213	0.486798
353.295	0.489378
353.415	0.490335
353.494	0.490499
353.615	0.490499
353.695	0.48902
353.817	0.488121
353.894	0.487942
354.017	0.487942
354.095	0.486343
354.219	0.486343
354.294	0.483948
354.419	0.483948
354.495	0.483731
354.62	0.483731
354.695	0.484357
354.821	0.484357
354.895	0.48399
355.022	0.48399
355.094	0.485268
355.223	0.485634
355.294	0.486004
355.424	0.486004
355.494	0.485483
355.625	0.484905
355.695	0.484575
355.826	0.484575
355.895	0.483845
356.027	0.483479
356.095	0.483626
356.228	0.483626
356.295	0.485316
356.429	0.486387
356.495	0.488235
356.631	0.488235
356.694	0.489485
356.831	0.490215
356.895	0.491738

30m_1000nm

357.032	0.491738
357.094	0.493181
357.233	0.493857
357.297	0.49376
357.435	0.494241
357.496	0.494757
357.635	0.49504
357.696	0.494634
357.836	0.493607
357.899	0.492934
358.037	0.492517
358.098	0.492421
358.238	0.492426
358.299	0.492977
358.439	0.493992
358.503	0.495717
358.64	0.495435
358.702	0.495272
358.841	0.4948
358.902	0.494367
359.042	0.49411
359.106	0.493576
359.243	0.492734
359.304	0.492007
359.444	0.491284
359.505	0.491449
359.645	0.491647
359.708	0.490209
359.846	0.489832
359.907	0.489348
360.047	0.489135
360.108	0.487668
360.248	0.487178
360.312	0.486655
360.449	0.486628
360.51	0.487452
360.65	0.487543
360.711	0.487614
360.851	0.487277
360.915	0.485918
361.053	0.485286
361.113	0.485322
361.253	0.485593
361.314	0.486206
361.454	0.486878
361.518	0.489584
361.655	0.49126
361.717	0.493242
361.856	0.495554

30m_1000nm

361.918	0.497759
362.057	0.49782
362.12	0.49748
362.258	0.496482
362.319	0.493954
362.459	0.492778
362.521	0.49219
362.66	0.492246
362.724	0.492188
362.861	0.492279
362.922	0.492653
363.063	0.492645
363.123	0.492731
363.264	0.492426
363.326	0.492203
363.465	0.491644
363.525	0.489037
363.666	0.487715
363.727	0.486743
363.867	0.485938
363.931	0.485117
364.069	0.485224
364.128	0.485845
364.269	0.486782
364.329	0.488599
364.47	0.489339
364.533	0.489603
364.671	0.489643
364.732	0.489091
364.872	0.488831
364.933	0.489133
365.073	0.490024
365.136	0.490665
365.275	0.493672
365.334	0.493672
365.475	0.495022
365.536	0.495846
365.676	0.496799
365.74	0.497264
365.877	0.49673
365.894	0.495501
366.079	0.494623
366.095	0.492877
366.279	0.492165
366.294	0.491968
366.48	0.492293
366.494	0.493679
366.681	0.493401
366.694	0.49334

30m_1000nm

366.883	0.492289
366.895	0.491121
367.083	0.49047
367.095	0.490442
367.285	0.490185
367.294	0.489916
367.485	0.489575
367.495	0.488864
367.687	0.488012
367.696	0.486828
367.887	0.485446
367.898	0.485307
368.089	0.485367
368.098	0.485459
368.289	0.486455
368.299	0.48684
368.49	0.487302
368.5	0.487647
368.691	0.487325
368.704	0.486873
368.892	0.486554
368.903	0.486574
369.095	0.486087
369.104	0.486087
369.294	0.486473
369.304	0.486761
369.395	0.487389
369.496	0.487389
369.595	0.488794
369.696	0.488794
369.794	0.490035
369.897	0.490035
369.995	0.48925
370.098	0.48925
370.194	0.489228
370.299	0.489228
370.395	0.489858
370.5	0.489858
370.595	0.490013
370.701	0.490013
370.794	0.490555
370.902	0.490555
370.995	0.490021
371.103	0.490021
371.194	0.490413
371.304	0.490413
371.395	0.491325
371.505	0.491325
371.595	0.491584

30m_1000nm

371.706	0.491586
371.795	0.492738
371.907	0.492738
371.994	0.493276
372.108	0.493435
372.194	0.49349
372.309	0.49349
372.394	0.493444
372.51	0.493258
372.595	0.492929
372.711	0.492929
372.795	0.491889
372.912	0.491889
372.994	0.490692
373.113	0.490692
373.195	0.489555
373.314	0.489555
373.395	0.488621
373.515	0.488621
373.595	0.487563
373.716	0.487563
373.794	0.488114
373.917	0.488114
373.995	0.488801
374.118	0.488801
374.195	0.488369
374.319	0.488775
374.394	0.489373
374.52	0.489373
374.595	0.488268
374.721	0.48721
374.794	0.483836
374.922	0.483836
374.994	0.481375
375.123	0.481105
375.194	0.481096
375.325	0.481096
375.395	0.482202
375.525	0.483586
375.595	0.486466
375.727	0.486466
375.795	0.487894
375.927	0.488454
375.994	0.490447
376.128	0.490447
376.195	0.491388
376.329	0.492227
376.395	0.493302
376.53	0.493302

30m_1000nm

376.595	0.493804
376.731	0.493804
376.795	0.494797
376.932	0.49531
376.994	0.495634
377.133	0.495634
377.196	0.497755
377.335	0.498518
377.394	0.498858
377.535	0.498764
377.595	0.497071
377.737	0.495618
377.798	0.494482
377.937	0.493386
377.998	0.490878
378.138	0.489606
378.198	0.488203
378.339	0.487207
378.402	0.486141
378.54	0.485983
378.6	0.48626
378.741	0.487164
378.801	0.488747
378.943	0.48955
379.004	0.489973
379.143	0.490167
379.203	0.490095
379.344	0.489509
379.405	0.488917
379.545	0.487979
379.608	0.486718
379.746	0.48579
379.806	0.484687
379.947	0.483968
380.007	0.483618
380.148	0.482984
380.211	0.482615
380.349	0.482643
380.409	0.483192
380.55	0.484064
380.611	0.485653
380.751	0.486711
380.813	0.487525
380.952	0.488072
381.012	0.487959
381.153	0.486983
381.214	0.485907
381.354	0.48537
381.417	0.485426

30m_1000nm

381.555	0.485705
381.615	0.486086
381.756	0.486948
381.816	0.488029
381.957	0.488832
382.02	0.490032
382.158	0.490741
382.219	0.492084
382.359	0.492205
382.419	0.491855
382.56	0.490804
382.623	0.488111
382.761	0.486835
382.821	0.48564
382.962	0.485167
383.021	0.485897
383.163	0.486764
383.226	0.487857
383.364	0.488443
383.424	0.488473
383.565	0.488221
383.625	0.488455
383.766	0.489124
383.829	0.489739
383.968	0.49012
384.026	0.489746
384.168	0.48937
384.229	0.489546
384.369	0.489434
384.432	0.488141
384.57	0.487105
384.631	0.486203
384.771	0.485004
384.831	0.482913
384.972	0.482683
385.035	0.482687
385.173	0.483651
385.233	0.485818
385.375	0.487138
385.434	0.488103
385.575	0.489019
385.639	0.491874
385.776	0.492962
385.837	0.493861
385.977	0.494452
386.038	0.494806
386.179	0.494358
386.194	0.493778
386.379	0.492793

30m_1000nm

386.395	0.491627
386.58	0.491148
386.594	0.490667
386.781	0.490226
386.794	0.489671
386.982	0.489514
386.994	0.489734
387.183	0.489986
387.195	0.489878
387.384	0.490403
387.394	0.490651
387.585	0.490782
387.597	0.491277
387.787	0.490596
387.797	0.49043
387.987	0.489606
387.997	0.489138
388.188	0.488663
388.2	0.487439
388.389	0.487226
388.401	0.487257
388.59	0.487565
388.602	0.488152
388.791	0.487747
388.801	0.48696
388.992	0.486159
389.003	0.484295
389.193	0.483935
389.203	0.483957
389.394	0.484486
389.405	0.486204
389.495	0.487398
389.597	0.487398
389.695	0.488762
389.796	0.488762
389.894	0.488591
389.997	0.488591
390.095	0.487059
390.198	0.487059
390.294	0.485622
390.399	0.485622
390.494	0.485128
390.6	0.485128
390.694	0.483385
390.801	0.483385
390.894	0.482352
391.002	0.482352
391.095	0.481153
391.203	0.480711

30m_1000nm

391.295	0.479144
391.404	0.479144
391.494	0.479581
391.606	0.480648
391.695	0.480649
391.806	0.480649
391.895	0.48013
392.007	0.48013
392.095	0.481395
392.208	0.481395
392.294	0.481463
392.409	0.481463
392.495	0.481037
392.611	0.481037
392.694	0.480842
392.811	0.480842
392.895	0.480222
393.012	0.480222
393.095	0.480529
393.213	0.480529
393.295	0.483092
393.414	0.483092
393.495	0.485516
393.615	0.485516
393.694	0.48818
393.816	0.48971
393.894	0.492022
394.017	0.492022
394.095	0.493347
394.218	0.493467
394.294	0.49195
394.419	0.49195
394.495	0.489087
394.62	0.487353
394.695	0.484773
394.821	0.484773
394.895	0.483123
395.022	0.482384
395.095	0.482562
395.223	0.482562
395.294	0.482859
395.425	0.483173
395.495	0.483473
395.625	0.483473
395.695	0.483923
395.826	0.483923
395.895	0.485098
396.027	0.485098
396.094	0.484483

30m_1000nm

396.229	0.484483
396.295	0.48363
396.429	0.483525
396.494	0.484101
396.63	0.484101
396.694	0.48443
396.831	0.484543
396.895	0.485559
397.032	0.485559
397.095	0.486647
397.233	0.487175
397.295	0.488958
397.434	0.488958
397.494	0.489906
397.635	0.490607
397.698	0.490962
397.836	0.4911
397.896	0.490063
398.037	0.489386
398.097	0.488855
398.239	0.488065
398.301	0.48655
398.439	0.486074
398.499	0.485584
398.641	0.485357
398.7	0.484172
398.841	0.483928
398.904	0.483154
399.042	0.482694
399.103	0.482159
399.243	0.482552
399.303	0.483974
399.444	0.484627
399.507	0.485825
399.645	0.486664
399.706	0.486747
399.846	0.486349
399.906	0.485565
400.047	0.484391
400.11	0.482456
400.248	0.481921
400.308	0.481885
400.449	0.481628
400.509	0.481112
400.65	0.481799
400.713	0.482146
400.851	0.483252
400.912	0.485507
401.052	0.485658

30m_1000nm

401.112	0.485696
401.253	0.485324
401.316	0.484944
401.455	0.48438
401.514	0.484382
401.655	0.484788
401.715	0.485383
401.856	0.485806
401.919	0.486381
402.057	0.486558
402.117	0.486009
402.258	0.485407
402.318	0.484489
402.459	0.483568
402.523	0.482086
402.66	0.481815
402.72	0.482067
402.861	0.48257
402.92	0.484047
403.062	0.485476
403.125	0.487791
403.263	0.488105
403.323	0.488297
403.464	0.488108
403.524	0.487092
403.665	0.486665
403.728	0.485905
403.866	0.485054
403.926	0.483588
404.067	0.483147
404.128	0.483177
404.268	0.483226
404.331	0.483548
404.469	0.48376
404.529	0.483875
404.67	0.483808
404.73	0.483489
404.871	0.483164
404.934	0.482663
405.073	0.482219
405.131	0.48133
405.273	0.481046
405.333	0.480685
405.475	0.480244
405.537	0.481051
405.675	0.481964
405.735	0.482639
405.876	0.483611
405.936	0.484508

30m_1000nm

406.077	0.484233
406.14	0.484193
406.278	0.48431
406.294	0.484364
406.479	0.483727
406.495	0.484111
406.68	0.485059
406.694	0.486607
406.881	0.487892
406.894	0.491327
407.083	0.49222
407.094	0.491772
407.283	0.491285
407.294	0.489356
407.484	0.488803
407.494	0.487997
407.685	0.487265
407.696	0.487435
407.886	0.487724
407.896	0.487928
408.087	0.487879
408.098	0.487267
408.288	0.486567
408.298	0.485977
408.489	0.485683
408.501	0.485662
408.69	0.485463
408.7	0.485082
408.891	0.484872
408.9	0.484696
409.092	0.484737
409.102	0.484715
409.293	0.484439
409.303	0.483825
409.494	0.481935
409.503	0.480602
409.594	0.479279
409.695	0.479279
409.794	0.477889
409.897	0.477889
409.994	0.479527
410.097	0.479527
410.195	0.482458
410.298	0.484299
410.395	0.486605
410.499	0.486605
410.595	0.487028
410.7	0.487028
410.795	0.486199

30m_1000nm

410.901	0.486199
410.995	0.4858
411.103	0.4858
411.195	0.486725
411.303	0.486725
411.395	0.488603
411.505	0.488603
411.594	0.490498
411.705	0.490498
411.795	0.490975
411.906	0.490975
411.995	0.492514
412.107	0.492514
412.194	0.491828
412.309	0.491828
412.395	0.489466
412.509	0.489466
412.595	0.487146
412.711	0.487146
412.794	0.486178
412.911	0.486188
412.995	0.486546
413.112	0.486546
413.194	0.486238
413.313	0.485855
413.395	0.485011
413.514	0.485011
413.594	0.484715
413.715	0.484845
413.795	0.486196
413.916	0.486196
413.995	0.487503
414.118	0.488012
414.195	0.487758
414.319	0.487758
414.394	0.485625
414.52	0.485625
414.594	0.481009
414.721	0.481009
414.795	0.478783
414.922	0.478783
414.995	0.478257
415.123	0.478257
415.195	0.479405
415.324	0.479405
415.395	0.480903
415.525	0.481789
415.594	0.482378
415.726	0.482378

30m_1000nm

415.794	0.482099
415.927	0.481858
415.994	0.48338
416.129	0.48338
416.194	0.485012
416.329	0.485827
416.395	0.486481
416.531	0.486481
416.595	0.486648
416.731	0.48649
416.795	0.487567
416.933	0.487567
416.994	0.488187
417.133	0.488617
417.194	0.489492
417.334	0.489492
417.395	0.490505
417.535	0.490465
417.597	0.490324
417.736	0.489643
417.796	0.489466
417.937	0.488246
417.996	0.487775
418.138	0.487616
418.2	0.487145
418.339	0.486965
418.398	0.486166
418.54	0.486188
418.598	0.48561
418.741	0.485497
418.803	0.485361
418.942	0.485377
419.002	0.484988
419.143	0.48428
419.203	0.48344
419.344	0.482835
419.406	0.482385
419.545	0.482404
419.604	0.483022
419.746	0.483529
419.805	0.483799
419.947	0.484106
420.009	0.485017
420.148	0.485077
420.207	0.485445
420.349	0.486001
420.408	0.486863
420.55	0.487301
420.612	0.487204

30m_1000nm

420.751	0.486811
420.81	0.486567
420.952	0.485949
421.011	0.484714
421.153	0.483697
421.215	0.4818
421.354	0.481366
421.414	0.481299
421.555	0.481313
421.614	0.481461
421.757	0.482051
421.818	0.482521
421.958	0.482909
422.016	0.482863
422.159	0.48247
422.217	0.482329
422.36	0.482684
422.421	0.482847
422.561	0.482772
422.619	0.483564
422.762	0.483974
422.82	0.48527
422.963	0.486334
423.024	0.487894
423.164	0.488044
423.223	0.487452
423.365	0.487262
423.423	0.486305
423.566	0.486218
423.627	0.485884
423.767	0.485903
423.826	0.4857
423.968	0.485461
424.026	0.485467
424.169	0.485224
424.23	0.484707
424.37	0.484659
424.428	0.484804
424.571	0.485254
424.629	0.485229
424.773	0.484705
424.833	0.484634
424.974	0.484849
425.032	0.485341
425.175	0.486276
425.233	0.486957
425.375	0.487424
425.436	0.48745
425.576	0.487683

30m_1000nm

425.634	0.48795
425.777	0.488351
425.836	0.488548
425.978	0.4884
426.039	0.487677
426.179	0.487435
426.237	0.486237
426.38	0.485614
426.394	0.485279
426.581	0.485454
426.594	0.485907
426.782	0.486124
426.794	0.485833
426.983	0.485504
426.994	0.485338
427.185	0.484853
427.195	0.484837
427.385	0.485194
427.395	0.486084
427.586	0.487192
427.597	0.488055
427.787	0.488282
427.797	0.488028
427.988	0.487557
427.997	0.487622
428.189	0.487944
428.199	0.487766
428.39	0.487363
428.4	0.486898
428.591	0.484543
428.601	0.483161
428.792	0.482525
428.801	0.482121
428.993	0.482248
429.004	0.482536
429.094	0.483293
429.195	0.483293
429.294	0.484291
429.397	0.485835
429.495	0.488646
429.597	0.488646
429.695	0.488443
429.798	0.488443
429.895	0.484053
429.999	0.484053
430.094	0.481862
430.201	0.481862
430.295	0.484208
430.401	0.484208

30m_1000nm

430.495	0.487096
430.603	0.487096
430.694	0.489325
430.803	0.489325
430.895	0.489976
431.005	0.489976
431.095	0.48963
431.205	0.48963
431.295	0.488722
431.407	0.488722
431.494	0.486368
431.607	0.486368
431.694	0.483611
431.809	0.483611
431.894	0.481615
432.009	0.480536
432.095	0.479408
432.21	0.479408
432.295	0.47956
432.412	0.479309
432.495	0.480134
432.613	0.480134
432.694	0.479721
432.813	0.4794
432.894	0.478574
433.014	0.478574
433.095	0.478977
433.217	0.479412
433.295	0.479749
433.416	0.479749
433.495	0.480157
433.617	0.480157
433.695	0.480743
433.819	0.480743
433.895	0.480831
434.019	0.480831
434.094	0.480929
434.22	0.480929
434.295	0.483141
434.421	0.483141
434.495	0.48504
434.622	0.485552
434.695	0.486117
434.823	0.486117
434.894	0.485854
435.024	0.485736
435.094	0.484936
435.225	0.484936
435.294	0.483936

30m_1000nm

435.426	0.483335
435.495	0.481418
435.627	0.481418
435.694	0.481089
435.829	0.48121
435.895	0.481745
436.029	0.481745
436.095	0.481445
436.23	0.481637
436.294	0.481876
436.431	0.481876
436.495	0.482442
436.633	0.483039
436.695	0.484187
436.833	0.484187
436.894	0.484973
437.035	0.486452
437.095	0.487416
437.236	0.487459
437.294	0.486439
437.436	0.486439
437.495	0.483704
437.637	0.48182
437.694	0.479934
437.838	0.479201
437.895	0.47752
438.039	0.477316
438.099	0.477949
438.24	0.478535
438.297	0.479991
438.441	0.480592
438.498	0.481254
438.642	0.48168
438.702	0.482436
438.843	0.4822
438.9	0.481498
439.044	0.480504
439.101	0.478952
439.245	0.478275
439.304	0.477844
439.446	0.478181
439.503	0.479055
439.647	0.479956
439.704	0.480751
439.848	0.48106
439.908	0.482088
440.049	0.482952
440.107	0.483412
440.251	0.483814

30m_1000nm

440.308	0.485018
440.451	0.485743
440.512	0.486901
440.652	0.48813
440.709	0.489152
440.854	0.489469
440.91	0.489469
441.054	0.489748
441.113	0.489961
441.255	0.489903
441.312	0.48902
441.456	0.488144
441.513	0.486885
441.657	0.48541
441.718	0.482043
441.858	0.48069
441.915	0.479038
442.059	0.478191
442.116	0.476723
442.26	0.476525
442.319	0.47666
442.461	0.4769
442.518	0.477989
442.662	0.47863
442.719	0.479444
442.863	0.480643
442.923	0.483306
443.064	0.484844
443.121	0.486444
443.265	0.487717
443.323	0.489585
443.466	0.49004
443.526	0.489646
443.667	0.488551
443.725	0.48667
443.868	0.48562
443.926	0.484753
444.069	0.484258
444.129	0.484055
444.271	0.483259
444.328	0.483148
444.471	0.482917
444.528	0.483265
444.672	0.483354
444.732	0.483583
444.873	0.483298
444.932	0.482642
445.074	0.48206
445.131	0.482658

30m_1000nm

445.275	0.483025
445.335	0.483298
445.476	0.484061
445.534	0.484928
445.677	0.484579
445.734	0.483717
445.878	0.482621
445.937	0.480637
446.079	0.480126
446.136	0.47957
446.28	0.479941
446.294	0.481485
446.481	0.481512
446.495	0.482288
446.683	0.483371
446.695	0.484792
446.883	0.485751
446.894	0.486463
447.085	0.487473
447.094	0.487557
447.285	0.487087
447.295	0.486713
447.487	0.486437
447.496	0.485614
447.687	0.485128
447.697	0.485245
447.888	0.48518
447.898	0.485397
448.089	0.485784
448.099	0.485594
448.29	0.484961
448.3	0.484182
448.491	0.482951
448.502	0.479621
448.693	0.478325
448.702	0.477679
448.893	0.477634
448.904	0.478583
448.994	0.479803
449.095	0.479803
449.195	0.480924
449.296	0.480924
449.394	0.480667
449.496	0.480667
449.594	0.479123
449.697	0.479123
449.795	0.47821
449.898	0.47821
449.994	0.478202

30m_1000nm

450.099	0.478202
450.195	0.47714
450.3	0.47714
450.395	0.477137
450.501	0.477137
450.595	0.478601
450.702	0.478601
450.794	0.479851
450.903	0.479851
450.994	0.483208
451.104	0.483208
451.194	0.485034
451.305	0.485034
451.395	0.484769
451.506	0.48449
451.594	0.484539
451.707	0.484539
451.794	0.483982
451.908	0.483532
451.994	0.483023
452.109	0.483023
452.195	0.483477
452.31	0.483477
452.395	0.485356
452.511	0.485356
452.595	0.483452
452.713	0.483452
452.795	0.480146
452.913	0.480146
452.995	0.478327
453.114	0.478327
453.194	0.477132
453.315	0.477132
453.395	0.478019
453.516	0.478019
453.595	0.478309
453.717	0.478309
453.795	0.478273
453.918	0.478273
453.994	0.479379
454.119	0.479276
454.195	0.479436
454.32	0.479436
454.394	0.479563
454.521	0.480315
454.595	0.482789
454.722	0.482789
454.795	0.486649
454.923	0.488922

30m_1000nm

454.995	0.49041
455.124	0.49041
455.194	0.489547
455.325	0.488657
455.395	0.487193
455.526	0.487193
455.595	0.485834
455.727	0.485356
455.795	0.485825
455.928	0.485825
455.994	0.487135
456.129	0.487135
456.195	0.486936
456.33	0.486936
456.394	0.486588
456.531	0.486588
456.595	0.486447
456.732	0.486576
456.794	0.48653
456.933	0.486159
456.995	0.48559
457.134	0.485599
457.195	0.486822
457.335	0.486822
457.397	0.487243
457.536	0.487368
457.595	0.487265
457.737	0.486524
457.795	0.483273
457.938	0.481181
457.998	0.47935
458.139	0.478036
458.197	0.477202
458.34	0.47755
458.399	0.478086
458.541	0.478952
458.603	0.481272
458.742	0.482597
458.8	0.483541
458.943	0.484447
459.001	0.484334
459.144	0.483386
459.205	0.482465
459.345	0.482035
459.404	0.481878
459.546	0.481929
459.605	0.482017
459.747	0.481914
459.808	0.482127

30m_1000nm

459.948	0.48278
460.006	0.483741
460.149	0.484283
460.207	0.48463
460.35	0.484886
460.412	0.48488
460.551	0.48489
460.609	0.484552
460.752	0.48378
460.81	0.482456
460.953	0.482004
461.014	0.481802
461.154	0.481635
461.212	0.481128
461.355	0.480971
461.413	0.480499
461.556	0.48022
461.617	0.480498
461.757	0.480688
461.815	0.480891
461.958	0.481506
462.016	0.483362
462.159	0.483888
462.22	0.484216
462.36	0.484299
462.419	0.485171
462.561	0.486011
462.619	0.486787
462.762	0.487422
462.825	0.48859
462.963	0.488394
463.023	0.488188
463.164	0.487776
463.223	0.487072
463.365	0.485444
463.428	0.484543
463.566	0.483537
463.625	0.482361
463.767	0.481251
463.826	0.480226
463.968	0.480101
464.03	0.480372
464.169	0.481354
464.228	0.483448
464.37	0.484299
464.429	0.484481
464.571	0.484118
464.633	0.482002
464.772	0.480674

30m_1000nm

464.832	0.479265
464.973	0.478352
465.033	0.47766
465.174	0.478786
465.237	0.480542
465.375	0.482715
465.434	0.486257
465.576	0.486657
465.635	0.486831
465.777	0.486571
465.839	0.485611
465.978	0.485435
466.037	0.485175
466.179	0.485237
466.195	0.484732
466.38	0.484842
466.394	0.485108
466.581	0.484977
466.595	0.484791
466.783	0.483781
466.794	0.483577
466.983	0.483044
466.995	0.482987
467.185	0.482516
467.195	0.481779
467.385	0.481181
467.396	0.480179
467.586	0.479591
467.598	0.4795
467.787	0.479249
467.798	0.479058
467.988	0.479514
467.999	0.481754
468.189	0.482472
468.2	0.483286
468.39	0.484053
468.4	0.485168
468.591	0.485287
468.603	0.485366
468.792	0.48515
468.804	0.485188
468.993	0.486035
469.003	0.486724
469.094	0.487458
469.195	0.487458
469.294	0.487058
469.395	0.487058
469.495	0.48674
469.596	0.48674

30m_1000nm

469.695	0.485336
469.797	0.485336
469.895	0.484525
469.998	0.484525
470.094	0.483172
470.199	0.483172
470.294	0.481754
470.4	0.481754
470.494	0.480033
470.601	0.47923
470.695	0.47795
470.802	0.47795
470.894	0.477914
471.004	0.478338
471.095	0.479464
471.204	0.479464
471.294	0.481553
471.405	0.481553
471.494	0.484759
471.607	0.484759
471.695	0.485706
471.807	0.485706
471.895	0.487167
472.008	0.487167
472.095	0.487372
472.209	0.487372
472.294	0.487108
472.41	0.487108
472.495	0.486592
472.612	0.486592
472.694	0.485663
472.812	0.485663
472.894	0.486782
473.013	0.486782
473.095	0.487985
473.214	0.488438
473.294	0.48809
473.415	0.48809
473.495	0.486056
473.616	0.484924
473.694	0.483248
473.817	0.483248
473.894	0.482235
474.018	0.481703
474.095	0.481101
474.219	0.481101
474.294	0.480621
474.42	0.480496
474.495	0.480302

30m_1000nm

474.621	0.480302
474.694	0.48029
474.823	0.480296
474.894	0.479707
475.023	0.479707
475.094	0.479237
475.224	0.479237
475.294	0.479086
475.425	0.479086
475.495	0.480018
475.626	0.480018
475.695	0.48112
475.827	0.481847
475.895	0.48385
476.028	0.48385
476.094	0.485502
476.229	0.485791
476.294	0.485793
476.43	0.485793
476.495	0.485103
476.631	0.4847
476.694	0.484323
476.832	0.484323
476.895	0.484017
477.033	0.483934
477.095	0.484059
477.234	0.484059
477.295	0.48399
477.435	0.484057
477.495	0.483764
477.636	0.48306
477.695	0.482445
477.837	0.48279
477.899	0.483159
478.038	0.48416
478.097	0.484895
478.239	0.486306
478.298	0.486696
478.44	0.487246
478.502	0.487359
478.642	0.486075
478.7	0.486075
478.842	0.485165
478.901	0.484383
479.043	0.483794
479.105	0.482916
479.244	0.483013
479.303	0.48322
479.445	0.483729

30m_1000nm

479.504	0.483864
479.646	0.483578
479.707	0.483662
479.847	0.483363
479.906	0.482316
480.048	0.4825
480.107	0.482838
480.249	0.482821
480.311	0.483755
480.45	0.484563
480.509	0.485363
480.651	0.4864
480.71	0.486917
480.852	0.486773
480.915	0.486698
481.053	0.486134
481.112	0.483621
481.254	0.481969
481.313	0.480684
481.455	0.479793
481.517	0.47886
481.656	0.478444
481.715	0.478674
481.857	0.479108
481.917	0.479735
482.058	0.479594
482.119	0.47988
482.259	0.480055
482.319	0.480044
482.46	0.480042
482.519	0.480148
482.661	0.480372
482.723	0.480264
482.862	0.479999
482.921	0.479915
483.063	0.479899
483.122	0.479892
483.264	0.479463
483.326	0.478709
483.465	0.478319
483.524	0.477551
483.666	0.476932
483.725	0.477678
483.867	0.478767
483.928	0.479703
484.068	0.480394
484.127	0.481424
484.269	0.481696
484.328	0.481702

30m_1000nm

484.47	0.481274
484.533	0.482052
484.671	0.482283
484.731	0.482609
484.872	0.482901
484.932	0.48263
485.073	0.482396
485.135	0.481926
485.274	0.481705
485.333	0.481399
485.475	0.481404
485.535	0.48145
485.676	0.481188
485.738	0.480376
485.877	0.47842
485.936	0.477962
486.078	0.478027
486.094	0.478427
486.279	0.479277
486.295	0.480083
486.48	0.480369
486.494	0.480392
486.681	0.480642
486.695	0.480163
486.882	0.480789
486.895	0.481569
487.083	0.482492
487.095	0.484141
487.284	0.484672
487.295	0.48499
487.485	0.484858
487.498	0.483399
487.686	0.48245
487.697	0.482417
487.887	0.481677
487.898	0.479551
488.088	0.478794
488.099	0.478054
488.289	0.47788
488.3	0.477869
488.49	0.478294
488.501	0.47918
488.691	0.480032
488.702	0.480577
488.892	0.481864
488.904	0.482279
489.093	0.48232
489.104	0.482351
489.294	0.481697

30m_1000nm

489.304	0.480734
489.394	0.480124
489.495	0.480124
489.594	0.479613
489.696	0.479382
489.795	0.478119
489.897	0.478119
489.995	0.478501
490.098	0.478501
490.195	0.480552
490.299	0.480552
490.394	0.481134
490.5	0.481134
490.594	0.480416
490.701	0.480416
490.795	0.478614
490.902	0.478614
490.995	0.475499
491.103	0.475499
491.195	0.475576
491.304	0.475576
491.394	0.478496
491.505	0.478496
491.594	0.480904
491.706	0.480904
491.794	0.483353
491.907	0.483353
491.995	0.485207
492.108	0.485207
492.195	0.487227
492.309	0.488128
492.395	0.489154
492.51	0.489154
492.595	0.48818
492.711	0.48751
492.795	0.485875
492.912	0.485875
492.994	0.484551
493.113	0.483881
493.195	0.483449
493.314	0.483449
493.395	0.483171
493.516	0.483066
493.595	0.482723
493.716	0.482723
493.795	0.482282
493.917	0.482282
493.994	0.480975
494.118	0.480975

30m_1000nm

494.194	0.48004
494.319	0.48004
494.395	0.479312
494.52	0.479312
494.595	0.479508
494.721	0.479508
494.795	0.480232
494.922	0.480605
494.994	0.479898
495.123	0.479898
495.194	0.477261
495.324	0.476474
495.395	0.475516
495.525	0.475516
495.594	0.475317
495.726	0.475956
495.795	0.479066
495.927	0.479066
495.995	0.482514
496.128	0.483625
496.194	0.4832
496.329	0.4832
496.395	0.481844
496.53	0.481422
496.595	0.48171
496.731	0.48171
496.795	0.483165
496.932	0.484577
496.994	0.486964
497.133	0.486964
497.195	0.487425
497.335	0.486903
497.394	0.485941
497.535	0.484648
497.595	0.48327
497.736	0.482093
497.798	0.48021
497.937	0.478841
497.997	0.477935
498.138	0.47779
498.197	0.477997
498.339	0.478222
498.401	0.478061
498.54	0.478298
498.599	0.479041
498.741	0.479522
498.801	0.479898
498.942	0.480276
499.004	0.481032

30m_1000nm

499.143	0.481381
499.203	0.481852
499.344	0.482264
499.404	0.482408
499.545	0.481975
499.607	0.48116
499.746	0.480708
499.805	0.479755
499.947	0.479826
500.007	0.480164
500.148	0.480605
500.21	0.481374
500.349	0.481076
500.408	0.480724
500.55	0.480044
500.611	0.479361
500.751	0.478579
500.813	0.477897
500.952	0.477279
501.011	0.476713
501.154	0.476613
501.212	0.476613
501.354	0.47692
501.416	0.477059
501.555	0.477031
501.614	0.477253
501.756	0.47732
501.816	0.477367
501.957	0.477571
502.019	0.477479
502.158	0.477245
502.217	0.477069
502.359	0.476549
502.418	0.475497
502.56	0.475662
502.622	0.475526
502.761	0.475745
502.82	0.476186
502.962	0.47601
503.021	0.476035
503.163	0.47567
503.225	0.475587
503.364	0.475981
503.423	0.476737
503.565	0.478021
503.624	0.480917
503.766	0.482118
503.827	0.483086
503.967	0.483288

30m_1000nm

504.025	0.483713
504.168	0.484097
504.227	0.484815
504.369	0.485139
504.433	0.484605
504.57	0.483784
504.629	0.482975
504.771	0.48226
504.83	0.481356
504.972	0.480314
505.034	0.478158
505.173	0.477751
505.232	0.47764
505.374	0.47776
505.433	0.4783
505.575	0.478733
505.636	0.478907
505.776	0.479603
505.835	0.480882
505.977	0.481779
506.036	0.482188
506.178	0.482418
506.24	0.482452
506.379	0.48208
506.395	0.481743
506.58	0.481351
506.594	0.481067
506.781	0.481561
506.794	0.481954
506.982	0.48245
506.995	0.483355
507.183	0.483133
507.194	0.483271
507.384	0.483517
507.395	0.483331
507.585	0.4828
507.596	0.481843
507.786	0.48028
507.796	0.479092
507.987	0.478806
507.999	0.47985
508.188	0.480935
508.2	0.482097
508.389	0.482863
508.4	0.482852
508.59	0.482302
508.6	0.48122
508.791	0.480292
508.802	0.478741

30m_1000nm

508.992	0.478082
509.004	0.47753
509.193	0.477332
509.204	0.476904
509.394	0.477049
509.404	0.476898
509.495	0.47655
509.596	0.47655
509.695	0.47648
509.796	0.47648
509.895	0.477821
509.997	0.477821
510.094	0.479289
510.198	0.479289
510.295	0.479612
510.399	0.479612
510.495	0.478858
510.6	0.478858
510.695	0.4776
510.801	0.4776
510.894	0.477558
511.002	0.477558
511.094	0.478104
511.203	0.478104
511.294	0.480585
511.404	0.480585
511.495	0.482461
511.605	0.482461
511.695	0.482951
511.806	0.482682
511.895	0.481526
512.007	0.481526
512.094	0.481707
512.209	0.481871
512.294	0.481586
512.409	0.481586
512.494	0.48018
512.61	0.48018
512.694	0.477121
512.811	0.477121
512.895	0.474837
513.012	0.474837
513.095	0.473227
513.213	0.473227
513.294	0.474209
513.414	0.474209
513.494	0.477509
513.615	0.477509
513.695	0.479957

30m_1000nm

513.816	0.479957
513.895	0.482985
514.017	0.482985
514.095	0.483965
514.218	0.483965
514.295	0.483643
514.419	0.483454
514.495	0.483272
514.62	0.483272
514.694	0.484088
514.821	0.484139
514.894	0.483451
515.023	0.483451
515.094	0.481841
515.223	0.481607
515.295	0.47987
515.424	0.47987
515.495	0.479266
515.625	0.479104
515.695	0.479487
515.826	0.479487
515.894	0.479053
516.027	0.478765
516.095	0.477486
516.228	0.477486
516.295	0.476815
516.429	0.476815
516.495	0.475407
516.63	0.475407
516.695	0.474246
516.831	0.474246
516.895	0.473744
517.032	0.473997
517.094	0.474035
517.233	0.474281
517.294	0.47472
517.434	0.475
517.494	0.47469
517.635	0.47469
517.697	0.474811
517.836	0.475373
517.896	0.47583
518.037	0.476688
518.097	0.478358
518.238	0.478594
518.3	0.478833
518.439	0.479629
518.499	0.480689
518.64	0.480923

30m_1000nm

518.699	0.481164
518.841	0.48133
518.904	0.480836
519.042	0.479932
519.102	0.47949
519.243	0.478975
519.303	0.479294
519.444	0.479446
519.505	0.479784
519.645	0.47941
519.705	0.479469
519.846	0.480208
519.905	0.480072
520.047	0.479387
520.109	0.478096
520.248	0.477799
520.308	0.477995
520.449	0.477833
520.508	0.477448
520.65	0.476619
520.712	0.47587
520.851	0.475889
520.911	0.476215
521.053	0.476104
521.112	0.476711
521.253	0.476734
521.315	0.476703
521.454	0.476699
521.513	0.475396
521.655	0.474817
521.715	0.474712
521.856	0.475566
521.918	0.477545
522.057	0.478203
522.117	0.478779
522.258	0.479049
522.317	0.479705
522.459	0.479512
522.52	0.479143
522.66	0.478816
522.719	0.47883
522.861	0.478455
522.922	0.478109
523.063	0.478191
523.124	0.477344
523.263	0.477292
523.323	0.477355
523.464	0.47789
523.523	0.478177

30m_1000nm

523.665	0.479171
523.727	0.479815
523.866	0.480621
523.925	0.481221
524.067	0.4822
524.126	0.483869
524.268	0.484048
524.33	0.483867
524.469	0.482935
524.528	0.480117
524.67	0.47912
524.729	0.478205
524.871	0.477435
524.933	0.476247
525.072	0.475614
525.131	0.4755
525.273	0.475678
525.332	0.476596
525.474	0.477721
525.536	0.479155
525.675	0.480241
525.734	0.481945
525.876	0.482666
525.935	0.482173
526.077	0.48165
526.138	0.481022
526.278	0.480886
526.294	0.481102
526.479	0.481416
526.495	0.480721
526.68	0.481017
526.695	0.481111
526.881	0.480956
526.895	0.481087
527.082	0.4803
527.095	0.479994
527.283	0.479702
527.295	0.479103
527.485	0.478125
527.495	0.477941
527.685	0.477836
527.695	0.477716
527.887	0.477863
527.898	0.478957
528.087	0.479655
528.097	0.480106
528.289	0.480311
528.299	0.480965
528.489	0.481096

30m_1000nm

528.499	0.481115
528.691	0.4812
528.7	0.482145
528.891	0.48283
528.899	0.48283
529.093	0.483111
529.103	0.483193
529.293	0.482947
529.304	0.483246
529.494	0.483474
529.504	0.483832
529.595	0.483049
529.696	0.483049
529.795	0.480716
529.896	0.480716
529.995	0.476989
530.097	0.476989
530.194	0.474711
530.298	0.474711
530.395	0.476949
530.499	0.476949
530.594	0.479692
530.7	0.479692
530.794	0.480878
530.901	0.480424
530.994	0.480108
531.102	0.480108
531.195	0.479146
531.304	0.478681
531.394	0.478815
531.504	0.478815
531.594	0.478904
531.705	0.478904
531.794	0.477251
531.906	0.477251
531.995	0.47705
532.107	0.47705
532.195	0.479344
532.308	0.479344
532.395	0.48077
532.509	0.48077
532.594	0.48253
532.71	0.48253
532.794	0.483747
532.911	0.483747
532.994	0.483896
533.113	0.483896
533.195	0.481944
533.313	0.481944

30m_1000nm

533.395	0.479921
533.514	0.479317
533.595	0.478093
533.715	0.478093
533.795	0.476474
533.916	0.476129
533.995	0.474545
534.117	0.474545
534.194	0.474269
534.319	0.474131
534.395	0.474566
534.519	0.474566
534.594	0.475225
534.72	0.475363
534.795	0.476057
534.921	0.476057
534.995	0.476391
535.122	0.476391
535.195	0.476637
535.323	0.476637
535.394	0.476959
535.524	0.476959
535.595	0.477953
535.725	0.477953
535.795	0.477286
535.926	0.477286
535.995	0.476122
536.127	0.475951
536.194	0.476204
536.328	0.476204
536.395	0.477216
536.529	0.477488
536.595	0.477524
536.731	0.477524
536.795	0.476959
536.931	0.476768
536.995	0.476424
537.132	0.476424
537.195	0.476802
537.333	0.477311
537.395	0.477708
537.534	0.477708
537.596	0.478191
537.735	0.478149
537.795	0.478654
537.937	0.478132
537.995	0.477464
538.137	0.477035
538.198	0.477193

30m_1000nm

538.338	0.477269
538.398	0.47775
538.539	0.477347
538.599	0.476809
538.74	0.476314
538.802	0.475601
538.942	0.474211
539	0.474211
539.142	0.474509
539.201	0.475037
539.343	0.47607
539.405	0.477931
539.544	0.478771
539.604	0.479817
539.745	0.480249
539.804	0.479749
539.946	0.479065
540.008	0.478419
540.147	0.477689
540.207	0.476301
540.349	0.475999
540.407	0.475786
540.549	0.475736
540.611	0.475658
540.75	0.475735
540.809	0.475699
540.951	0.475401
541.011	0.474455
541.152	0.474093
541.214	0.4737
541.353	0.473687
541.413	0.474048
541.555	0.475144
541.613	0.475879
541.755	0.476705
541.817	0.478005
541.957	0.477575
542.016	0.476958
542.157	0.476191
542.218	0.474863
542.358	0.474949
542.419	0.474563
542.559	0.47413
542.618	0.474506
542.76	0.474502
542.819	0.475878
542.961	0.476283
543.023	0.476848
543.162	0.477185

30m_1000nm

543.221	0.477285
543.363	0.476906
543.422	0.476675
543.564	0.476382
543.626	0.476441
543.765	0.476688
543.824	0.476881
543.966	0.477267
544.025	0.477869
544.167	0.478207
544.229	0.478982
544.369	0.479774
544.427	0.480796
544.569	0.481401
544.628	0.48137
544.77	0.481245
544.832	0.481499
544.972	0.481672
545.031	0.481355
545.172	0.481126
545.232	0.48065
545.373	0.48072
545.435	0.480921
545.574	0.480739
545.633	0.480565
545.775	0.480169
545.834	0.47977
545.976	0.479235
546.038	0.478756
546.177	0.478168
546.236	0.477696
546.378	0.477451
546.394	0.477572
546.579	0.477643
546.595	0.478547
546.78	0.478163
546.795	0.478371
546.981	0.478638
546.994	0.478065
547.183	0.477425
547.194	0.476911
547.383	0.476824
547.395	0.477214
547.585	0.477634
547.594	0.478093
547.785	0.478244
547.798	0.478494
547.986	0.478051
547.996	0.477252

30m_1000nm

548.187	0.476557
548.197	0.475406
548.388	0.474925
548.397	0.475021
548.589	0.475288
548.599	0.475415
548.79	0.475891
548.8	0.476192
548.991	0.47615
549.001	0.475775
549.192	0.475084
549.203	0.474692
549.393	0.474509
549.403	0.474348
549.594	0.474411
549.604	0.474851
549.695	0.47505
549.796	0.47505
549.895	0.475652
549.997	0.47649
550.095	0.47774
550.198	0.47774
550.295	0.478484
550.399	0.478484
550.495	0.478143
550.6	0.478143
550.695	0.478448
550.801	0.478448
550.894	0.477479
551.003	0.477479
551.094	0.47591
551.203	0.47591
551.294	0.474564
551.405	0.474564
551.495	0.474143
551.605	0.474143
551.695	0.476759
551.807	0.476759
551.895	0.479422
552.007	0.479422
552.095	0.481801
552.208	0.481801
552.294	0.482107
552.409	0.482107
552.495	0.480829
552.61	0.480391
552.694	0.479915
552.811	0.479915
552.894	0.479563

30m_1000nm

553.012	0.479552
553.094	0.480458
553.213	0.480458
553.294	0.481084
553.414	0.481132
553.494	0.481054
553.615	0.481054
553.695	0.480146
553.816	0.479006
553.894	0.478345
554.017	0.478345
554.094	0.477821
554.218	0.477821
554.294	0.476518
554.419	0.476518
554.495	0.474564
554.621	0.474564
554.695	0.473296
554.821	0.473296
554.894	0.47262
555.023	0.47262
555.094	0.472778
555.223	0.472977
555.295	0.473263
555.424	0.473263
555.494	0.474633
555.625	0.475711
555.695	0.477291
555.826	0.477291
555.894	0.478896
556.027	0.479414
556.095	0.480268
556.228	0.480268
556.295	0.480952
556.429	0.480696
556.495	0.481361
556.63	0.481361
556.694	0.481897
556.831	0.481842
556.894	0.480635
557.032	0.480635
557.095	0.478713
557.233	0.478144
557.295	0.478423
557.435	0.478423
557.496	0.479073
557.635	0.480488
557.695	0.480335
557.836	0.479661

30m_1000nm

557.895	0.47912
558.037	0.478367
558.097	0.476443
558.238	0.476052
558.296	0.476037
558.439	0.476357
558.497	0.477042
558.641	0.477444
558.701	0.477561
558.841	0.477297
558.9	0.476978
559.042	0.47682
559.1	0.476295
559.243	0.476091
559.305	0.475745
559.444	0.475384
559.503	0.47489
559.645	0.473736
559.703	0.47312
559.847	0.47349
559.907	0.47393
560.047	0.474596
560.105	0.476397
560.248	0.476881
560.306	0.476738
560.449	0.476181
560.51	0.4745
560.65	0.473778
560.708	0.47355
560.851	0.473875
560.911	0.476054
561.052	0.476986
561.113	0.477756
561.253	0.478418
561.31	0.478557
561.455	0.477939
561.512	0.477487
561.656	0.477282
561.716	0.47687
561.857	0.476555
561.915	0.476148
562.058	0.475862
562.115	0.475995
562.259	0.475884
562.319	0.475937
562.46	0.476398
562.517	0.47687
562.661	0.476855
562.718	0.476733

30m_1000nm

562.862	0.476595
562.922	0.476801
563.063	0.476838
563.121	0.476778
563.264	0.476743
563.321	0.476416
563.465	0.475859
563.525	0.474641
563.666	0.474535
563.723	0.474473
563.867	0.47406
563.925	0.474405
564.068	0.474246
564.128	0.473987
564.269	0.474008
564.327	0.473609
564.47	0.473523
564.527	0.473371
564.671	0.473167
564.732	0.473621
564.872	0.473655
564.929	0.473992
565.073	0.47383
565.131	0.473647
565.274	0.474744
565.333	0.475424
565.475	0.476422
565.533	0.476888
565.676	0.477136
565.733	0.479589
565.877	0.480508
565.937	0.481165
566.078	0.481179
566.136	0.480161
566.279	0.479509
566.336	0.479473
566.48	0.479501
566.494	0.480065
566.681	0.480039
566.695	0.480193
566.882	0.48026
566.894	0.480393
567.083	0.480629
567.095	0.480464
567.284	0.48038
567.295	0.480157
567.485	0.48002
567.496	0.479826
567.686	0.479237

30m_1000nm

567.698	0.478503
567.887	0.477577
567.898	0.477494
568.088	0.477439
568.1	0.477626
568.289	0.478481
568.3	0.479277
568.49	0.479795
568.501	0.480329
568.691	0.480712
568.702	0.481125
568.892	0.481495
568.903	0.481639
568.994	0.48094
569.095	0.48094
569.195	0.479694
569.296	0.479694
569.394	0.479442
569.496	0.479442
569.595	0.481143
569.697	0.481143
569.795	0.482368
569.898	0.482368
569.995	0.480984
570.099	0.480984
570.194	0.480475
570.3	0.480475
570.394	0.481092
570.501	0.481092
570.594	0.48164
570.702	0.48164
570.795	0.480036
570.903	0.480036
570.995	0.478636
571.105	0.478636
571.195	0.478486
571.305	0.478486
571.395	0.47869
571.506	0.47869
571.594	0.480753
571.707	0.480753
571.794	0.481378
571.909	0.481378
571.995	0.480376
572.109	0.479563
572.195	0.477154
572.31	0.477154
572.395	0.474958
572.511	0.474424

30m_1000nm

572.595	0.474161
572.712	0.474161
572.795	0.474326
572.914	0.474211
572.994	0.473909
573.114	0.473909
573.195	0.474249
573.315	0.474249
573.394	0.476322
573.516	0.476322
573.594	0.476768
573.717	0.476768
573.795	0.475413
573.918	0.475413
573.995	0.473391
574.119	0.473391
574.195	0.471447
574.32	0.471447
574.395	0.473559
574.521	0.473559
574.594	0.476537
574.722	0.477246
574.795	0.475831
574.923	0.475831
574.995	0.475273
575.124	0.475228
575.195	0.475726
575.325	0.475726
575.395	0.476909
575.526	0.477525
575.594	0.479698
575.727	0.479698
575.794	0.483529
575.928	0.485135
575.995	0.486788
576.129	0.486788
576.194	0.486861
576.33	0.487018
576.395	0.48649
576.531	0.48649
576.594	0.48748
576.733	0.487386
576.795	0.486939
576.934	0.486939
576.994	0.485039
577.135	0.485039
577.195	0.482071
577.336	0.480314
577.397	0.479351

30m_1000nm

577.537	0.478922
577.595	0.478334
577.738	0.478607
577.796	0.479519
577.939	0.480177
578	0.481539
578.14	0.482364
578.198	0.482625
578.341	0.482641
578.399	0.483176
578.542	0.483794
578.602	0.484593
578.743	0.485636
578.801	0.48749
578.944	0.488098
579.003	0.488822
579.145	0.488957
579.207	0.488366
579.346	0.487517
579.404	0.486345
579.547	0.485203
579.605	0.483725
579.748	0.483443
579.808	0.483734
579.949	0.483795
580.008	0.483734
580.15	0.483677
580.209	0.483276
580.351	0.483456
580.414	0.484027
580.553	0.4841
580.611	0.484459
580.753	0.484592
580.812	0.484624
580.954	0.484315
581.016	0.482988
581.155	0.483412
581.214	0.484187
581.356	0.485048
581.415	0.484877
581.557	0.485225
581.619	0.485797
581.758	0.486151
581.817	0.485133
581.959	0.484309
582.018	0.484073
582.16	0.484363
582.222	0.485099
582.361	0.485379

30m_1000nm

582.42	0.485262
582.562	0.485539
582.621	0.486101
582.763	0.485539
582.825	0.484149
582.964	0.48284
583.023	0.480578
583.165	0.479915
583.224	0.479626
583.366	0.479984
583.428	0.482185
583.567	0.48338
583.626	0.484412
583.768	0.48483
583.827	0.484013
583.969	0.483684
584.031	0.483184
584.17	0.482838
584.23	0.482668
584.373	0.482908
584.43	0.483315
584.572	0.483475
584.634	0.483667
584.773	0.484376
584.832	0.486095
584.974	0.486744
585.033	0.487734
585.175	0.488881
585.237	0.488613
585.377	0.487966
585.436	0.487372
585.577	0.486337
585.637	0.48526
585.778	0.484726
585.84	0.484564
585.979	0.48473
585.994	0.484868
586.18	0.485101
586.195	0.485414
586.381	0.485779
586.395	0.485449
586.583	0.4851
586.594	0.484097
586.783	0.483381
586.795	0.482738
586.984	0.482928
586.994	0.483193
587.185	0.48388
587.195	0.484425

30m_1000nm

587.386	0.484593
587.396	0.484396
587.587	0.485008
587.599	0.485533
587.788	0.486871
587.797	0.487458
587.989	0.487696
587.999	0.487527
588.191	0.486914
588.201	0.486914
588.391	0.486862
588.401	0.487243
588.592	0.487223
588.604	0.487662
588.793	0.487809
588.802	0.488243
588.994	0.488658
589.005	0.488986
589.095	0.488844
589.197	0.488844
589.294	0.48882
589.397	0.48882
589.494	0.48793
589.597	0.48793
589.695	0.487907
589.799	0.487907
589.895	0.48554
589.999	0.48554
590.094	0.485069
590.2	0.485069
590.294	0.486306
590.401	0.486306
590.494	0.487765
590.602	0.487765
590.694	0.488313
590.803	0.488313
590.895	0.487694
591.005	0.487694
591.095	0.487442
591.205	0.487679
591.295	0.487769
591.406	0.487769
591.495	0.48776
591.607	0.487238
591.695	0.486354
591.809	0.486354
591.894	0.48404
592.009	0.48404
592.095	0.481485

30m_1000nm

592.211	0.481485
592.295	0.481604
592.411	0.481604
592.495	0.483471
592.612	0.483471
592.695	0.485877
592.813	0.485877
592.895	0.48832
593.014	0.48832
593.095	0.489981
593.215	0.489981
593.294	0.490412
593.417	0.490412
593.494	0.488208
593.617	0.488208
593.695	0.486373
593.818	0.485448
593.895	0.484362
594.019	0.484362
594.095	0.483647
594.22	0.483424
594.295	0.483104
594.421	0.483104
594.495	0.483408
594.622	0.483739
594.694	0.484361
594.823	0.484361
594.894	0.484512
595.024	0.484683
595.095	0.485049
595.225	0.485049
595.294	0.486012
595.427	0.486761
595.494	0.486985
595.627	0.486985
595.695	0.486087
595.829	0.484573
595.895	0.484014
596.029	0.484014
596.095	0.483209
596.231	0.483209
596.295	0.482837
596.431	0.482861
596.495	0.483062
596.632	0.483062
596.695	0.484126
596.834	0.484324
596.894	0.486002
597.034	0.486002

30m_1000nm

597.095	0.486973
597.235	0.487055
597.296	0.487383
597.436	0.487396
597.495	0.486495
597.637	0.485408
597.696	0.484331
597.838	0.483548
597.9	0.482823
598.039	0.482688
598.099	0.48244
598.24	0.482055
598.299	0.481852
598.441	0.481943
598.502	0.482163
598.642	0.482392
598.701	0.483163
598.843	0.482714
598.903	0.483029
599.044	0.483092
599.106	0.483837
599.245	0.485409
599.304	0.486328
599.446	0.487
599.505	0.488301
599.647	0.489385
599.709	0.490079
599.848	0.489698
599.907	0.489205
600.049	0.489043
600.109	0.488604
600.25	0.488023
600.312	0.487378
600.451	0.486496
600.51	0.484993
600.652	0.484731
600.711	0.485286
600.853	0.486153
600.916	0.486951
601.055	0.486646
601.113	0.486533
601.255	0.486648
601.314	0.487273
601.456	0.487351
601.518	0.487737
601.657	0.487553
601.716	0.487452
601.858	0.487451
601.917	0.487189

30m_1000nm

602.059	0.486666
602.121	0.486652
602.261	0.48658
602.319	0.486821
602.461	0.486743
602.52	0.486873
602.662	0.486344
602.724	0.486028
602.863	0.485749
602.922	0.486066
603.064	0.48694
603.123	0.487005
603.265	0.487239
603.327	0.487098
603.466	0.486771
603.525	0.485137
603.667	0.484104
603.726	0.482477
603.868	0.481029
603.93	0.479596
604.069	0.479645
604.129	0.479942
604.271	0.480946
604.329	0.484092
604.471	0.484853
604.532	0.485287
604.672	0.484981
604.731	0.484019
604.873	0.483766
604.932	0.483641
605.074	0.48434
605.136	0.486345
605.275	0.487007
605.334	0.48711
605.476	0.488005
605.535	0.48824
605.677	0.488162
605.739	0.488004
605.878	0.487649
605.894	0.486585
606.079	0.485724
606.095	0.484603
606.28	0.483455
606.295	0.482407
606.481	0.482619
606.495	0.482928
606.682	0.483233
606.695	0.484091
606.883	0.485558

30m_1000nm

606.895	0.485738
607.085	0.485903
607.094	0.486709
607.285	0.487128
607.296	0.486634
607.486	0.486217
607.496	0.486049
607.687	0.485972
607.698	0.486343
607.888	0.486523
607.898	0.48701
608.089	0.487036
608.099	0.487227
608.291	0.487761
608.3	0.487487
608.491	0.486961
608.502	0.486015
608.692	0.485367
608.701	0.485423
608.893	0.484889
608.903	0.48373
609.094	0.482969
609.104	0.481999
609.194	0.48163
609.295	0.48163
609.394	0.481463
609.496	0.481463
609.594	0.481652
609.697	0.481652
609.794	0.483643
609.898	0.483643
609.994	0.484202
610.099	0.484202
610.195	0.486188
610.3	0.486432
610.394	0.485875
610.501	0.485875
610.594	0.484104
610.703	0.483573
610.795	0.482681
610.903	0.482681
610.995	0.483735
611.104	0.483735
611.194	0.486538
611.305	0.486538
611.395	0.488333
611.506	0.488333
611.594	0.488267
611.707	0.488267

30m_1000nm

611.794	0.486468
611.908	0.486468
611.995	0.483984
612.109	0.483984
612.195	0.483044
612.311	0.483044
612.395	0.481172
612.511	0.481172
612.594	0.479523
612.713	0.479523
612.794	0.478458
612.913	0.479104
612.995	0.481255
613.114	0.481255
613.194	0.483126
613.315	0.482937
613.395	0.481286
613.516	0.481286
613.595	0.480227
613.717	0.480145
613.795	0.481839
613.918	0.481839
613.994	0.4842
614.119	0.484874
614.194	0.485437
614.321	0.485437
614.395	0.485399
614.523	0.485145
614.595	0.484074
614.722	0.484074
614.795	0.484507
614.923	0.484507
614.994	0.484153
615.124	0.484153
615.195	0.482532
615.325	0.482532
615.394	0.481831
615.526	0.482161
615.595	0.482972
615.727	0.482972
615.794	0.486151
615.929	0.487575
615.995	0.488466
616.129	0.488466
616.195	0.487873
616.331	0.487753
616.395	0.487245
616.531	0.487245
616.594	0.486538

30m_1000nm

616.732	0.485633
616.794	0.484904
616.933	0.484904
616.994	0.485208
617.135	0.485227
617.197	0.485344
617.335	0.485152
617.395	0.484612
617.536	0.484666
617.595	0.484069
617.737	0.483314
617.8	0.482749
617.938	0.483261
617.999	0.484218
618.139	0.484634
618.199	0.485537
618.341	0.48585
618.403	0.48585
618.541	0.484861
618.601	0.483705
618.742	0.482535
618.803	0.480984
618.943	0.480363
619.006	0.481008
619.144	0.48133
619.204	0.482687
619.345	0.484031
619.404	0.485014
619.546	0.485054
619.609	0.484992
619.747	0.484817
619.807	0.484773
619.948	0.484734
620.008	0.484792
620.149	0.48547
620.211	0.486229
620.35	0.4871
620.411	0.488394
620.551	0.489292
620.611	0.489748
620.752	0.48919
620.815	0.486702
620.953	0.485033
621.012	0.483216
621.154	0.481853
621.214	0.481118
621.355	0.481616
621.418	0.482402
621.556	0.48335

30m_1000nm

621.616	0.485379
621.757	0.486017
621.818	0.485861
621.958	0.485104
622.021	0.484484
622.159	0.483822
622.219	0.483386
622.36	0.483623
622.42	0.484187
622.561	0.484768
622.624	0.485698
622.762	0.485602
622.823	0.485995
622.963	0.485838
623.023	0.484963
623.165	0.484342
623.228	0.484239
623.365	0.484299
623.425	0.485393
623.566	0.485723
623.627	0.485885
623.767	0.486662
623.831	0.488154
623.968	0.489163
624.029	0.489558
624.169	0.489694
624.229	0.489443
624.371	0.488481
624.433	0.487559
624.571	0.486515
624.631	0.484489
624.772	0.483749
624.833	0.483554
624.973	0.483807
625.035	0.483673
625.174	0.484049
625.235	0.483987
625.375	0.483475
625.436	0.482587
625.576	0.482739
625.639	0.483503
625.777	0.484156
625.836	0.485162
625.978	0.485698
625.994	0.485199
626.179	0.484557
626.195	0.483539
626.381	0.481966
626.395	0.479311

30m_1000nm

626.581	0.479082
626.594	0.478712
626.782	0.479079
626.795	0.479709
626.983	0.480395
626.995	0.480954
627.184	0.482067
627.195	0.482897
627.385	0.48347
627.395	0.483822
627.586	0.484379
627.596	0.484594
627.787	0.483777
627.796	0.483521
627.988	0.483289
627.998	0.482982
628.189	0.482899
628.2	0.482446
628.391	0.48257
628.399	0.482926
628.591	0.484416
628.6	0.485304
628.792	0.485986
628.802	0.487318
628.993	0.488374
629.003	0.488383
629.194	0.488074
629.203	0.487241
629.294	0.485332
629.395	0.485332
629.495	0.484832
629.596	0.484832
629.694	0.484612
629.797	0.484612
629.894	0.484339
629.998	0.484339
630.094	0.485074
630.199	0.485074
630.295	0.486194
630.4	0.486194
630.495	0.487369
630.601	0.487369
630.695	0.488908
630.802	0.488908
630.895	0.488554
631.004	0.488554
631.095	0.48663
631.205	0.48663
631.295	0.485905

30m_1000nm

631.405	0.485905
631.495	0.485789
631.606	0.485789
631.695	0.486334
631.807	0.486334
631.894	0.485985
632.008	0.485985
632.094	0.485804
632.209	0.485804
632.294	0.484643
632.41	0.484705
632.495	0.484689
632.611	0.484689
632.694	0.484253
632.812	0.483221
632.895	0.481401
633.013	0.481401
633.094	0.47956
633.215	0.479349
633.294	0.481278
633.415	0.481278
633.494	0.484184
633.617	0.484184
633.695	0.485636
633.817	0.485636
633.895	0.4868
634.018	0.4868
634.095	0.487866
634.219	0.487866
634.295	0.486392
634.421	0.486392
634.495	0.485972
634.621	0.485972
634.694	0.485712
634.823	0.485712
634.895	0.485077
635.023	0.485089
635.095	0.485248
635.224	0.485248
635.295	0.485315
635.425	0.48561
635.494	0.487186
635.626	0.487186
635.694	0.488937
635.827	0.488978
635.895	0.487763
636.028	0.487763
636.095	0.486123
636.229	0.48562

30m_1000nm

636.295	0.483977
636.43	0.483977
636.495	0.483948
636.631	0.483657
636.694	0.483685
636.832	0.483685
636.894	0.484062
637.033	0.484046
637.096	0.484609
637.234	0.485094
637.295	0.485978
637.435	0.48613
637.495	0.485447
637.636	0.484362
637.699	0.483306
637.837	0.482559
637.898	0.480492
638.038	0.480332
638.097	0.480337
638.239	0.480213
638.302	0.480968
638.44	0.481795
638.5	0.483155
638.641	0.484556
638.701	0.48677
638.842	0.4876
638.905	0.48782
639.043	0.487529
639.104	0.486703
639.244	0.485919
639.305	0.485152
639.445	0.484509
639.508	0.483458
639.646	0.483175
639.706	0.483526
639.847	0.484367
639.908	0.485924
640.048	0.486506
640.111	0.486321
640.249	0.485546
640.309	0.483643
640.45	0.483082
640.511	0.482637
640.651	0.483054
640.714	0.483548
640.853	0.482887
640.913	0.482921
641.054	0.482214
641.113	0.481838

30m_1000nm

641.255	0.481294
641.317	0.480289
641.456	0.480019
641.515	0.479695
641.657	0.479896
641.717	0.480306
641.858	0.48098
641.92	0.481204
642.059	0.481282
642.118	0.481046
642.26	0.480984
642.319	0.48041
642.461	0.480136
642.523	0.478448
642.662	0.478128
642.721	0.477873
642.863	0.478132
642.922	0.478837
643.064	0.479408
643.126	0.479658
643.265	0.479615
643.324	0.479343
643.466	0.479212
643.526	0.480057
643.667	0.480176
643.729	0.481356
643.868	0.4819
643.927	0.482893
644.069	0.483952
644.128	0.484896
644.27	0.485412
644.332	0.48605
644.471	0.486757
644.53	0.486888
644.672	0.486993
644.731	0.486532
644.873	0.485761
644.935	0.485283
645.074	0.484688
645.133	0.483824
645.275	0.483568
645.334	0.483381
645.476	0.483306
645.538	0.484077
645.677	0.484556
645.737	0.484218
645.878	0.483834
645.937	0.483027
646.079	0.482347

30m_1000nm

646.095	0.481653
646.28	0.481291
646.294	0.480509
646.481	0.4805
646.495	0.48064
646.682	0.480842
646.695	0.481417
646.883	0.481719
646.894	0.482036
647.085	0.482543
647.096	0.483035
647.285	0.482713
647.298	0.4826
647.486	0.482401
647.497	0.482255
647.687	0.48238
647.699	0.482407
647.888	0.483043
647.899	0.48369
648.089	0.484739
648.101	0.484853
648.29	0.485062
648.3	0.484833
648.492	0.484554
648.502	0.483833
648.693	0.483098
648.705	0.482645
648.894	0.482597
648.907	0.482375
648.994	0.482296
649.095	0.482296
649.194	0.482502
649.296	0.482502
649.395	0.482168
649.497	0.482168
649.595	0.481592
649.698	0.481592
649.794	0.480709
649.899	0.480709
649.995	0.48056
650.1	0.48056
650.194	0.48043
650.301	0.48043
650.394	0.48138
650.502	0.48138
650.594	0.480781
650.703	0.480781
650.795	0.480648
650.904	0.480648

30m_1000nm

650.994	0.482876
651.105	0.482876
651.195	0.483621
651.306	0.483621
651.394	0.484036
651.507	0.483516
651.595	0.48258
651.708	0.48258
651.795	0.481686
651.909	0.481611
651.995	0.481083
652.11	0.481083
652.195	0.481027
652.311	0.481302
652.395	0.482585
652.512	0.482585
652.594	0.482824
652.713	0.482824
652.795	0.483502
652.914	0.483502
652.994	0.483916
653.115	0.483916
653.195	0.483472
653.316	0.483472
653.394	0.482868
653.517	0.482868
653.595	0.481011
653.718	0.481011
653.794	0.480398
653.919	0.480398
653.994	0.480541
654.12	0.480424
654.194	0.480268
654.321	0.480268
654.395	0.478782
654.522	0.478264
654.595	0.477941
654.723	0.477941
654.795	0.478896
654.924	0.4793
654.995	0.480039
655.125	0.480039
655.195	0.480934
655.326	0.480785
655.394	0.480358
655.527	0.480358
655.594	0.479453
655.728	0.478876
655.794	0.479011

30m_1000nm

655.929	0.479011
655.994	0.478802
656.131	0.479407
656.195	0.480314
656.332	0.480314
656.394	0.482555
656.533	0.482555
656.594	0.484998
656.734	0.486041
656.795	0.486789
656.935	0.486789
656.995	0.485846
657.136	0.484657
657.194	0.483893
657.337	0.483455
657.395	0.484225
657.538	0.484753
657.598	0.485181
657.739	0.485815
657.797	0.486523
657.94	0.48679
657.997	0.486575
658.141	0.48611
658.201	0.48474
658.342	0.484176
658.4	0.483565
658.543	0.482619
658.601	0.48025
658.744	0.478897
658.803	0.478409
658.945	0.478172
659.002	0.4791
659.146	0.479747
659.203	0.480421
659.347	0.48091
659.408	0.482667
659.548	0.483616
659.605	0.484251
659.749	0.484795
659.806	0.485311
659.95	0.484622
660.01	0.483924
660.151	0.483117
660.209	0.482426
660.352	0.482031
660.409	0.481359
660.553	0.481179
660.613	0.481102
660.754	0.480833

30m_1000nm

660.811	0.480649
660.955	0.479956
661.012	0.479048
661.156	0.478387
661.216	0.476999
661.357	0.476424
661.415	0.476488
661.558	0.477399
661.615	0.479045
661.759	0.479572
661.818	0.48024
661.96	0.480214
662.017	0.480134
662.161	0.480526
662.218	0.481125
662.362	0.482089
662.421	0.483279
662.564	0.483379
662.621	0.483441
662.764	0.483368
662.822	0.482999
662.965	0.482949
663.025	0.482743
663.166	0.482541
663.224	0.482183
663.367	0.482194
663.424	0.482324
663.568	0.482863
663.628	0.483105
663.77	0.483419
663.827	0.483278
663.971	0.482477
664.027	0.482132
664.172	0.481715
664.231	0.480386
664.373	0.479472
664.429	0.478668
664.574	0.478006
664.63	0.477129
664.775	0.477117
664.835	0.477311
664.976	0.477594
665.032	0.477771
665.177	0.478143
665.233	0.478021
665.379	0.47745
665.437	0.477468
665.579	0.477926
665.635	0.478619

30m_1000nm

665.78	0.479408
665.837	0.481479
665.981	0.482429
666.039	0.483791
666.182	0.484714
666.195	0.485616
666.383	0.486209
666.395	0.486138
666.584	0.486418
666.595	0.486638
666.785	0.485921
666.796	0.485402
666.986	0.484574
666.997	0.483945
667.187	0.483004
667.197	0.482491
667.388	0.482163
667.399	0.482344
667.591	0.482816
667.6	0.48311
667.79	0.48332
667.8	0.483582
667.991	0.483746
668.003	0.484648
668.192	0.484527
668.203	0.483682
668.393	0.482846
668.405	0.481178
668.594	0.480109
668.604	0.479032
668.695	0.478349
668.797	0.478349
668.894	0.479425
668.996	0.479425
669.095	0.479248
669.197	0.479248
669.295	0.480691
669.398	0.480691
669.494	0.481482
669.599	0.481482
669.695	0.48368
669.801	0.48368
669.894	0.484308
670.001	0.484308
670.095	0.484357
670.202	0.484357
670.294	0.482901
670.403	0.482901
670.494	0.482126

30m_1000nm

670.604	0.481944
670.694	0.481629
670.805	0.481629
670.894	0.481149
671.006	0.48127
671.095	0.480462
671.207	0.480462
671.295	0.479822
671.409	0.479822
671.494	0.481212
671.609	0.481212
671.694	0.482386
671.81	0.482386
671.895	0.482734
672.011	0.482734
672.095	0.480946
672.212	0.480946
672.295	0.479822
672.413	0.479822
672.495	0.479531
672.614	0.479531
672.694	0.480949
672.815	0.480949
672.894	0.480539
673.016	0.480539
673.094	0.480442
673.218	0.480718
673.295	0.480215
673.418	0.480215
673.495	0.478921
673.619	0.478537
673.694	0.479255
673.82	0.479255
673.894	0.479668
674.021	0.480039
674.094	0.481498
674.223	0.481498
674.295	0.482138
674.423	0.482415
674.495	0.482182
674.624	0.482182
674.694	0.482807
674.825	0.482698
674.895	0.481024
675.026	0.481024
675.095	0.479276
675.228	0.478752
675.295	0.478806
675.428	0.478806

30m_1000nm

675.494	0.477777
675.629	0.477777
675.694	0.477082
675.831	0.476976
675.894	0.475921
676.031	0.475921
676.095	0.475919
676.232	0.475888
676.295	0.476284
676.433	0.476394
676.495	0.476684
676.634	0.476732
676.695	0.476793
676.835	0.476564
676.899	0.476486
677.036	0.476923
677.096	0.477431
677.237	0.477907
677.297	0.477407
677.438	0.476413
677.501	0.475889
677.639	0.475699
677.699	0.476
677.84	0.47704
677.9	0.477931
678.042	0.479174
678.104	0.480917
678.243	0.481425
678.302	0.481866
678.443	0.481979
678.503	0.482441
678.644	0.482676
678.708	0.482798
678.845	0.482725
678.906	0.482378
679.046	0.482163
679.106	0.481628
679.247	0.481778
679.309	0.48196
679.448	0.481891
679.507	0.482292
679.649	0.482106
679.708	0.482199
679.85	0.482578
679.912	0.48193
680.051	0.481277
680.111	0.480415
680.253	0.479275
680.312	0.477145

30m_1000nm

680.453	0.476708
680.516	0.476786
680.654	0.476931
680.714	0.476805
680.855	0.477034
680.915	0.477116
681.056	0.476917
681.119	0.475764
681.257	0.475034
681.317	0.474788
681.459	0.474252
681.518	0.47341
681.659	0.472824
681.722	0.472454
681.86	0.472266
681.92	0.47312
682.061	0.47445
682.121	0.475761
682.263	0.476868
682.326	0.478642
682.463	0.479372
682.523	0.479961
682.664	0.480005
682.724	0.480527
682.866	0.481851
682.928	0.481851
683.066	0.481898
683.127	0.481818
683.267	0.481015
683.327	0.48015
683.469	0.479249
683.531	0.478732
683.669	0.478351
683.729	0.478018
683.871	0.477825
683.93	0.477564
684.071	0.477288
684.134	0.477064
684.273	0.477212
684.332	0.477373
684.473	0.477814
684.533	0.478402
684.674	0.478674
684.737	0.479103
684.875	0.478924
684.935	0.47799
685.076	0.478086
685.137	0.477738
685.277	0.477454

30m_1000nm

685.294	0.476727
685.479	0.476321
685.495	0.476136
685.679	0.476576
685.694	0.477217
685.88	0.477905
685.895	0.478693
686.082	0.479171
686.095	0.47995
686.283	0.481541
686.295	0.481945
686.483	0.482131
686.494	0.481476
686.684	0.480797
686.694	0.478609
686.885	0.478543
686.895	0.47814
687.086	0.478164
687.096	0.47789
687.287	0.477267
687.296	0.477465
687.488	0.477656
687.498	0.478366
687.689	0.478197
687.699	0.47814
687.89	0.478139
687.898	0.478139
688.091	0.477385
688.101	0.477513
688.292	0.478078
688.303	0.479636
688.493	0.480263
688.502	0.480519
688.694	0.480229
688.703	0.479871
688.795	0.478403
688.896	0.478403
688.994	0.47763
689.096	0.47763
689.194	0.477574
689.297	0.477574
689.395	0.480106
689.498	0.480106
689.595	0.482729
689.699	0.482729
689.795	0.482856
689.9	0.482856
689.994	0.483191
690.101	0.483498

30m_1000nm

690.194	0.486197
690.303	0.486197
690.394	0.487759
690.503	0.487759
690.595	0.48663
690.704	0.48663
690.795	0.484416
690.905	0.484416
690.995	0.482337
691.107	0.482337
691.195	0.482344
691.307	0.482344
691.395	0.483226
691.508	0.483226
691.594	0.484502
691.709	0.484502
691.795	0.48476
691.91	0.48476
691.995	0.486005
692.111	0.486005
692.195	0.486582
692.312	0.486582
692.394	0.484983
692.513	0.484983
692.594	0.484453
692.715	0.484584
692.794	0.486465
692.915	0.486465
692.994	0.488756
693.116	0.489154
693.195	0.489629
693.317	0.489629
693.395	0.489646
693.518	0.489891
693.594	0.489544
693.719	0.489544
693.794	0.488626
693.92	0.488906
693.994	0.490626
694.122	0.490626
694.195	0.491232
694.322	0.491232
694.395	0.490446
694.523	0.490446
694.595	0.48859
694.724	0.48859
694.795	0.487021
694.925	0.487021
694.995	0.487342

30m_1000nm

695.126	0.487342
695.194	0.487635
695.327	0.487814
695.395	0.48807
695.528	0.48807
695.595	0.486992
695.729	0.485773
695.795	0.48291
695.93	0.48291
695.994	0.481681
696.131	0.481754
696.195	0.483097
696.332	0.483097
696.394	0.485312
696.533	0.486958
696.595	0.487982
696.734	0.487982
696.798	0.489093
696.935	0.489868
696.995	0.490569
697.136	0.491439
697.195	0.492551
697.337	0.492564
697.399	0.49229
697.539	0.49176
697.598	0.491256
697.74	0.490293
697.799	0.490173
697.94	0.489982
698.003	0.490281
698.141	0.490693
698.201	0.491829
698.343	0.492284
698.403	0.492493
698.543	0.492342
698.607	0.490206
698.745	0.48871
698.804	0.487347
698.945	0.48663
699.005	0.485202
699.147	0.484844
699.208	0.484996
699.347	0.485346
699.407	0.486271
699.549	0.486863
699.608	0.488006
699.749	0.488832
699.812	0.489056
699.95	0.488759

30m_1000nm

700.01	0.487801
700.151	0.486922
700.211	0.485312
700.352	0.48505
700.414	0.485032
700.553	0.484864
700.613	0.485882
700.754	0.486358
700.814	0.486918
700.955	0.487729
701.018	0.489487
701.156	0.490305
701.216	0.491245
701.357	0.492163
701.417	0.492568
701.559	0.493094
701.621	0.492925
701.759	0.492469
701.819	0.492008
701.961	0.49118
702.02	0.490711
702.161	0.490216
702.224	0.489653
702.362	0.489306
702.422	0.489305
702.563	0.489482
702.624	0.489177
702.764	0.488323
702.828	0.487458
702.965	0.486977
703.026	0.486308
703.166	0.486407
703.226	0.486422
703.367	0.486359
703.43	0.486476
703.569	0.4868
703.629	0.488141
703.769	0.488636
703.829	0.489318
703.97	0.490032
704.032	0.490265
704.171	0.490744
704.231	0.491324
704.373	0.491759
704.432	0.492086
704.573	0.491958
704.636	0.491752
704.774	0.491233
704.835	0.490533

30m_1000nm

704.975	0.490842
705.035	0.491249
705.176	0.491641
705.239	0.49184
705.378	0.490885
705.437	0.490885
705.578	0.489128
705.595	0.487488
705.779	0.485547
705.794	0.481952
705.981	0.481315
705.995	0.481516
706.181	0.482074
706.195	0.484128
706.383	0.484371
706.395	0.48432
706.583	0.484603
706.595	0.485322
706.785	0.485782
706.794	0.48665
706.985	0.487099
706.995	0.485929
707.187	0.485716
707.196	0.485631
707.387	0.48636
707.397	0.487264
707.588	0.488762
707.597	0.489477
707.789	0.489649
707.798	0.489237
707.99	0.488275
707.999	0.487919
708.191	0.487669
708.201	0.487373
708.392	0.486969
708.401	0.486706
708.593	0.486676
708.602	0.486133
708.794	0.485917
708.803	0.486185
708.894	0.486342
708.995	0.486342
709.095	0.486965
709.196	0.486965
709.294	0.48567
709.397	0.48567
709.494	0.483894
709.598	0.483894
709.694	0.483898

30m_1000nm

709.799	0.483898
709.895	0.485245
710	0.485245
710.095	0.487783
710.202	0.487783
710.295	0.489288
710.402	0.489288
710.495	0.489883
710.603	0.489883
710.694	0.488345
710.804	0.488345
710.895	0.487452
711.005	0.487452
711.095	0.487769
711.206	0.487769
711.295	0.488302
711.407	0.488302
711.495	0.487968
711.608	0.487968
711.694	0.488748
711.809	0.489739
711.894	0.490862
712.01	0.490862
712.094	0.49102
712.211	0.491561
712.295	0.491344
712.412	0.491344
712.494	0.489532
712.613	0.48916
712.695	0.488829
712.815	0.488829
712.894	0.486678
713.015	0.486678
713.094	0.485159
713.216	0.485159
713.294	0.486223
713.417	0.486223
713.494	0.487192
713.619	0.487192
713.695	0.488893
713.819	0.488893
713.895	0.4917
714.021	0.4917
714.095	0.491129
714.221	0.491129
714.294	0.490329
714.423	0.489607
714.494	0.488522
714.623	0.488522

30m_1000nm

714.694	0.488134
714.824	0.48801
714.895	0.487648
715.025	0.487648
715.095	0.487527
715.226	0.487289
715.294	0.485921
715.427	0.485921
715.494	0.483574
715.629	0.483184
715.694	0.48348
715.829	0.48348
715.895	0.484454
716.03	0.484986
716.095	0.485566
716.231	0.485566
716.294	0.484856
716.432	0.484772
716.495	0.485468
716.633	0.485468
716.697	0.485619
716.834	0.485362
716.894	0.484428
717.035	0.483939
717.095	0.482949
717.236	0.48246
717.299	0.481052
717.437	0.480145
717.497	0.47957
717.638	0.479887
717.698	0.481642
717.839	0.483218
717.902	0.484724
718.04	0.486194
718.1	0.488302
718.242	0.488281
718.301	0.487954
718.442	0.487691
718.506	0.4872
718.643	0.487152
718.703	0.487324
718.844	0.487256
718.905	0.486258
719.045	0.485726
719.108	0.484803
719.246	0.484183
719.306	0.483347
719.447	0.483771
719.507	0.484241

30m_1000nm

719.648	0.48459
719.711	0.486757
719.849	0.487506
719.909	0.488375
720.05	0.488686
720.11	0.488804
720.251	0.488985
720.314	0.488815
720.452	0.488685
720.513	0.488685
720.653	0.488048
720.713	0.486527
720.854	0.485722
720.917	0.484999
721.055	0.484787
721.114	0.485147
721.256	0.485453
721.317	0.485689
721.457	0.486002
721.521	0.486683
721.658	0.486388
721.717	0.486167
721.859	0.485897
721.919	0.485369
722.061	0.484984
722.123	0.484483
722.261	0.483754
722.321	0.483246
722.462	0.483502
722.522	0.484522
722.663	0.485647
722.726	0.486756
722.864	0.487037
722.924	0.487217
723.065	0.487242
723.125	0.486855
723.266	0.486571
723.329	0.486698
723.467	0.487579
723.527	0.490075
723.668	0.490881
723.729	0.491714
723.869	0.491919
723.934	0.491331
724.07	0.491046
724.13	0.490732
724.271	0.490148
724.331	0.489824
724.472	0.489787

30m_1000nm

724.535	0.49032
724.673	0.490262
724.733	0.489985
724.875	0.489745
724.935	0.490251
725.075	0.490209
725.138	0.490172
725.276	0.490128
725.335	0.490993
725.477	0.491254
725.494	0.491328
725.678	0.491736
725.694	0.49207
725.879	0.491715
725.895	0.491211
726.081	0.490092
726.095	0.487096
726.281	0.485736
726.295	0.485063
726.483	0.484958
726.494	0.485275
726.683	0.484854
726.694	0.484596
726.884	0.484152
726.895	0.484436
727.085	0.485252
727.094	0.485966
727.286	0.486134
727.296	0.486602
727.487	0.487832
727.496	0.487987
727.689	0.487804
727.698	0.486834
727.891	0.485225
727.899	0.484445
728.09	0.48387
728.1	0.483946
728.291	0.484065
728.302	0.484649
728.492	0.484853
728.501	0.484285
728.693	0.484271
728.702	0.484815
728.794	0.48498
728.895	0.48498
728.994	0.485723
729.095	0.485723
729.195	0.488656
729.296	0.488656

30m_1000nm

729.395	0.49048
729.497	0.49048
729.594	0.491259
729.698	0.491259
729.795	0.491568
729.899	0.491568
729.994	0.489938
730.1	0.489938
730.195	0.487133
730.301	0.487133
730.395	0.482522
730.502	0.482522
730.595	0.480733
730.703	0.480733
730.795	0.48043
730.904	0.480413
730.994	0.480767
731.105	0.480767
731.194	0.482288
731.306	0.482802
731.395	0.483473
731.507	0.483473
731.595	0.484268
731.709	0.484967
731.795	0.486432
731.909	0.486432
731.994	0.488085
732.111	0.488085
732.194	0.486547
732.311	0.486547
732.394	0.485167
732.513	0.485167
732.594	0.485482
732.713	0.485482
732.795	0.485606
732.914	0.485606
732.995	0.48445
733.115	0.48445
733.195	0.484341
733.316	0.484341
733.394	0.484203
733.517	0.484493
733.595	0.485476
733.718	0.485476
733.794	0.487156
733.919	0.487662
733.995	0.488848
734.12	0.488848
734.195	0.490043

30m_1000nm

734.321	0.490628
734.395	0.491323
734.522	0.491323
734.594	0.49063
734.723	0.489884
734.794	0.488321
734.924	0.488321
734.995	0.486615
735.125	0.486162
735.195	0.485456
735.326	0.485456
735.395	0.484171
735.528	0.482498
735.595	0.481496
735.728	0.481496
735.794	0.480682
735.929	0.480682
735.994	0.479629
736.13	0.479692
736.195	0.480108
736.331	0.480108
736.394	0.480527
736.532	0.480937
736.595	0.480972
736.733	0.481278
736.795	0.481326
736.935	0.481399
736.995	0.481831
737.135	0.482332
737.198	0.483274
737.336	0.483983
737.397	0.485098
737.537	0.485777
737.597	0.487142
737.739	0.487429
737.801	0.487255
737.939	0.487067
737.999	0.486152
738.14	0.486026
738.199	0.485676
738.341	0.485527
738.404	0.486085
738.542	0.486433
738.602	0.487206
738.743	0.487409
738.804	0.487581
738.944	0.487109
739.006	0.486832
739.145	0.486216

30m_1000nm

739.205	0.485306
739.347	0.483492
739.406	0.483492
739.547	0.482807
739.61	0.482301
739.748	0.481538
739.808	0.481168
739.949	0.481556
740.009	0.482517
740.15	0.483746
740.213	0.485045
740.351	0.485515
740.411	0.485873
740.552	0.485707
740.612	0.484813
740.753	0.484634
740.816	0.48469
740.954	0.484613
741.014	0.484985
741.155	0.484899
741.215	0.484367
741.357	0.483949
741.42	0.484911
741.557	0.485612
741.618	0.486013
741.759	0.486901
741.819	0.487983
741.959	0.488179
742.021	0.488133
742.161	0.488553
742.22	0.488708
742.361	0.488936
742.422	0.488423
742.562	0.487737
742.627	0.486162
742.763	0.485867
742.823	0.485905
742.964	0.48648
743.024	0.487264
743.165	0.487636
743.229	0.487605
743.366	0.487275
743.426	0.487168
743.567	0.486837
743.627	0.48611
743.768	0.486103
743.831	0.485537
743.969	0.484819
744.029	0.483749

30m_1000nm

744.17	0.482798
744.231	0.482354
744.371	0.48186
744.435	0.482271
744.572	0.481996
744.633	0.482144
744.773	0.482113
744.833	0.482277
744.974	0.482301
745.036	0.482768
745.175	0.483184
745.235	0.48264
745.376	0.482401
745.436	0.48216
745.577	0.481302
745.64	0.480854
745.778	0.480715
745.795	0.480257
745.979	0.48014
745.995	0.479961
746.18	0.48041
746.194	0.480859
746.381	0.48207
746.395	0.48327
746.582	0.484254
746.595	0.484714
746.783	0.484907
746.794	0.484724
746.984	0.484894
746.995	0.483694
747.185	0.483185
747.195	0.482922
747.386	0.482663
747.397	0.482085
747.587	0.482247
747.598	0.482138
747.789	0.482196
747.799	0.481513
747.989	0.480749
747.999	0.480009
748.19	0.480086
748.201	0.479755
748.391	0.480322
748.401	0.480854
748.592	0.481364
748.603	0.482954
748.793	0.483575
748.804	0.484154
748.994	0.48457

30m_1000nm

749.004	0.485297
749.094	0.486984
749.195	0.486984
749.295	0.48949
749.396	0.48949
749.494	0.490932
749.597	0.490932
749.694	0.490069
749.798	0.490069
749.895	0.487442
749.999	0.487442
750.094	0.486641
750.2	0.486641
750.295	0.485586
750.401	0.485563
750.494	0.48692
750.602	0.48692
750.695	0.488656
750.803	0.488656
750.895	0.490037
751.004	0.490037
751.095	0.48874
751.205	0.48874
751.294	0.487444
751.406	0.487444
751.494	0.487063
751.607	0.487063
751.694	0.485408
751.808	0.485408
751.895	0.483786
752.009	0.483786
752.095	0.482437
752.21	0.482437
752.295	0.48253
752.411	0.48253
752.495	0.483524
752.612	0.483524
752.695	0.48329
752.813	0.48329
752.894	0.482179
753.014	0.481076
753.095	0.480749
753.215	0.480749
753.295	0.481676
753.416	0.482904
753.495	0.486342
753.617	0.486342
753.694	0.488456
753.818	0.488633

30m_1000nm

753.895	0.487336
754.019	0.487336
754.094	0.485022
754.22	0.483961
754.295	0.482444
754.421	0.482444
754.495	0.481341
754.622	0.481341
754.695	0.481954
754.823	0.481954
754.895	0.482119
755.024	0.482119
755.094	0.481635
755.225	0.481593
755.294	0.482261
755.426	0.482261
755.494	0.483311
755.627	0.48321
755.695	0.483573
755.828	0.483573
755.895	0.483538
756.029	0.483784
756.094	0.484401
756.23	0.484401
756.294	0.484036
756.431	0.483853
756.495	0.483379
756.632	0.483379
756.694	0.482812
756.833	0.48248
756.895	0.481957
757.034	0.481957
757.097	0.482485
757.235	0.48254
757.295	0.483026
757.436	0.483269
757.496	0.483202
757.637	0.483185
757.7	0.483523
757.839	0.483343
757.899	0.482967
758.04	0.482587
758.1	0.48317
758.24	0.483345
758.303	0.483365
758.441	0.483186
758.502	0.48213
758.642	0.481909
758.702	0.482004

30m_1000nm

758.843	0.48231
758.906	0.483921
759.044	0.484336
759.105	0.484208
759.245	0.484121
759.305	0.483526
759.446	0.483114
759.509	0.482698
759.647	0.482455
759.706	0.48085
759.848	0.480307
759.908	0.479836
760.049	0.47996
760.112	0.480551
760.25	0.481249
760.31	0.481947
760.451	0.482984
760.511	0.48456
760.652	0.48522
760.715	0.485478
760.853	0.485297
760.913	0.485648
761.054	0.485546
761.115	0.485187
761.255	0.484995
761.318	0.485186
761.456	0.485442
761.517	0.48509
761.657	0.48516
761.717	0.485849
761.859	0.48725
761.921	0.487194
762.059	0.487089
762.119	0.486336
762.26	0.485389
762.321	0.4846
762.461	0.484489
762.524	0.485027
762.662	0.485356
762.722	0.484836
762.863	0.483802
762.923	0.482381
763.064	0.48061
763.127	0.477473
763.265	0.476648
763.325	0.476347
763.467	0.476517
763.527	0.47705
763.667	0.477522

30m_1000nm

763.729	0.477853
763.868	0.478443
763.928	0.480161
764.069	0.480619
764.129	0.481366
764.27	0.481697
764.333	0.482085
764.471	0.481815
764.531	0.481983
764.672	0.481826
764.732	0.480767
764.873	0.480707
764.935	0.480626
765.074	0.480731
765.134	0.480885
765.275	0.480448
765.335	0.48057
765.476	0.480917
765.539	0.481478
765.678	0.48079
765.694	0.48079
765.879	0.479935
765.894	0.479547
766.079	0.479592
766.094	0.479114
766.28	0.479365
766.295	0.479208
766.481	0.479371
766.494	0.479999
766.682	0.480166
766.695	0.480697
766.883	0.481232
766.895	0.482011
767.084	0.482278
767.095	0.482843
767.285	0.483473
767.297	0.484647
767.487	0.484719
767.496	0.484993
767.687	0.484786
767.696	0.484786
767.888	0.481648
767.898	0.480271
768.089	0.479009
768.099	0.477911
768.29	0.476841
768.3	0.476953
768.491	0.477855
768.501	0.478845

30m_1000nm

768.693	0.480813
768.702	0.482285
768.893	0.483241
768.903	0.483785
768.994	0.48366
769.095	0.48366
769.195	0.48207
769.296	0.48207
769.395	0.480247
769.496	0.480247
769.594	0.479513
769.697	0.479513
769.794	0.479688
769.899	0.479688
769.994	0.481948
770.099	0.481948
770.195	0.483235
770.301	0.483235
770.395	0.48397
770.501	0.48397
770.595	0.484184
770.703	0.484184
770.795	0.483875
770.903	0.483875
770.994	0.483509
771.104	0.483509
771.194	0.482679
771.305	0.482679
771.395	0.48107
771.507	0.48107
771.594	0.479653
771.707	0.479653
771.795	0.479599
771.908	0.479599
771.994	0.480267
772.109	0.480588
772.194	0.481139
772.31	0.481139
772.394	0.48022
772.511	0.479992
772.595	0.479631
772.712	0.479631
772.794	0.479877
772.913	0.479875
772.995	0.481065
773.114	0.481065
773.194	0.482574
773.315	0.482574
773.395	0.484462

30m_1000nm

773.517	0.484462
773.595	0.485738
773.717	0.485738
773.795	0.484983
773.918	0.484983
773.994	0.483647
774.119	0.483647
774.194	0.485843
774.32	0.485843
774.394	0.487026
774.521	0.487026
774.595	0.487126
774.722	0.48698
774.795	0.485572
774.923	0.485572
774.995	0.483036
775.124	0.481673
775.195	0.4802
775.325	0.4802
775.395	0.479066
775.526	0.479174
775.595	0.480192
775.727	0.480192
775.794	0.482316
775.928	0.483154
775.994	0.483577
776.129	0.483577
776.195	0.482407
776.33	0.481307
776.394	0.479769
776.531	0.479769
776.595	0.479836
776.732	0.48028
776.795	0.481613
776.933	0.481613
776.996	0.482019
777.134	0.482506
777.194	0.482172
777.335	0.481433
777.395	0.48077
777.536	0.480098
777.599	0.479589
777.737	0.479164
777.797	0.479097
777.938	0.4792
777.999	0.4793
778.139	0.479421
778.202	0.479367
778.34	0.479338

30m_1000nm

778.4	0.479029
778.541	0.479097
778.601	0.479195
778.742	0.479142
778.805	0.479379
778.943	0.479623
779.004	0.479954
779.144	0.480619
779.204	0.481268
779.345	0.481288
779.407	0.481364
779.546	0.481372
779.606	0.480697
779.747	0.480484
779.807	0.480515
779.948	0.48073
780.011	0.481802
780.149	0.482173
780.21	0.48275
780.35	0.482633
780.41	0.482952
780.551	0.483089
780.613	0.483964
780.752	0.484436
780.812	0.485002
780.953	0.485561
781.013	0.487226
781.154	0.487144
781.217	0.487087
781.355	0.48632
781.415	0.483419
781.557	0.481644
781.616	0.479829
781.757	0.478679
781.82	0.476721
781.959	0.476813
782.018	0.477114
782.159	0.477683
782.219	0.479395
782.361	0.480441
782.423	0.481302
782.561	0.481787
782.621	0.481483
782.762	0.481465
782.822	0.481732
782.963	0.481923
783.026	0.481589
783.164	0.481228
783.225	0.481391

30m_1000nm

783.365	0.48144
783.426	0.482283
783.566	0.482196
783.629	0.482104
783.767	0.482313
783.827	0.482795
783.968	0.482535
784.029	0.482253
784.169	0.481901
784.232	0.481213
784.37	0.479945
784.43	0.479455
784.571	0.478659
784.631	0.478348
784.772	0.478356
784.834	0.47887
784.973	0.479334
785.033	0.479873
785.174	0.480396
785.235	0.481999
785.375	0.482776
785.438	0.482691
785.576	0.483131
785.635	0.482825
785.777	0.482815
785.837	0.483075
785.978	0.482483
785.995	0.482063
786.179	0.481989
786.195	0.481947
786.38	0.482219
786.395	0.482516
786.581	0.482509
786.595	0.482198
786.782	0.482082
786.794	0.482452
786.983	0.482333
786.994	0.481875
787.184	0.481227
787.194	0.480363
787.385	0.481251
787.395	0.481785
787.586	0.482576
787.596	0.483247
787.787	0.483956
787.797	0.483811
787.988	0.483287
787.999	0.481946
788.19	0.480437

30m_1000nm

788.199	0.479683
788.391	0.479252
788.401	0.478402
788.592	0.478058
788.602	0.477052
788.793	0.476664
788.804	0.476724
788.995	0.476837
789.005	0.476779
789.094	0.476935
789.195	0.476935
789.294	0.477179
789.396	0.477179
789.495	0.478417
789.597	0.478417
789.694	0.479441
789.799	0.479441
789.895	0.478338
789.999	0.478338
790.094	0.477174
790.2	0.477174
790.294	0.47715
790.401	0.47715
790.494	0.478507
790.602	0.478507
790.694	0.481513
790.803	0.481513
790.894	0.481224
791.004	0.481224
791.095	0.481446
791.205	0.48127
791.294	0.480759
791.406	0.480759
791.495	0.479772
791.607	0.479504
791.694	0.479196
791.808	0.479196
791.895	0.478699
792.009	0.478413
792.094	0.478603
792.211	0.478603
792.295	0.479911
792.411	0.479911
792.494	0.48206
792.612	0.48206
792.695	0.48241
792.813	0.48241
792.895	0.484028
793.014	0.484028

30m_1000nm

793.095	0.484639
793.215	0.484639
793.294	0.484723
793.417	0.484723
793.495	0.483153
793.617	0.483153
793.694	0.481764
793.818	0.481682
793.894	0.482422
794.019	0.482422
794.094	0.482195
794.221	0.481171
794.295	0.477819
794.421	0.477819
794.495	0.475562
794.622	0.475495
794.695	0.47655
794.823	0.47655
794.895	0.478491
795.024	0.478548
795.095	0.478965
795.225	0.478965
795.294	0.478869
795.427	0.479206
795.495	0.479561
795.627	0.479561
795.694	0.480703
795.829	0.481614
795.895	0.482602
796.03	0.482602
796.094	0.482469
796.231	0.482469
796.295	0.481738
796.432	0.481902
796.494	0.482415
796.633	0.482415
796.695	0.483461
796.834	0.483129
796.895	0.482557
797.035	0.482106
797.095	0.481792
797.236	0.481517
797.294	0.481184
797.438	0.480535
797.498	0.479903
797.638	0.479429
797.696	0.479479
797.839	0.479233
797.897	0.477603

30m_1000nm

798.04	0.477428
798.101	0.476947
798.241	0.476857
798.299	0.477141
798.442	0.477333
798.5	0.477626
798.643	0.477886
798.704	0.478519
798.845	0.478402
798.903	0.478677
799.045	0.478627
799.104	0.478344
799.246	0.47852
799.307	0.478974
799.447	0.479749
799.507	0.480262
799.648	0.481174
799.707	0.481767
799.849	0.48223
799.911	0.482537
800.05	0.482887
800.109	0.483567
800.251	0.483136
800.31	0.482657
800.452	0.482423
800.514	0.481432
800.653	0.481212
800.713	0.481168
800.854	0.481034
800.913	0.48109
801.055	0.48154
801.117	0.481698
801.257	0.482324
801.316	0.482737
801.457	0.482875
801.516	0.482591
801.658	0.481843
801.72	0.480279
801.859	0.480374
801.918	0.48049
802.06	0.480461
802.119	0.479802
802.261	0.479178
802.323	0.478803
802.462	0.478099
802.521	0.477364
802.663	0.477443
802.722	0.478064
802.864	0.478784

30m_1000nm

802.926	0.479592
803.065	0.479585
803.125	0.479666
803.267	0.479727
803.325	0.479453
803.469	0.479499
803.529	0.479627
803.669	0.479554
803.727	0.47872
803.871	0.477921
803.928	0.478256
804.071	0.478418
804.132	0.478695
804.272	0.47876
804.33	0.478359
804.473	0.47804
804.531	0.478458
804.675	0.479181
804.735	0.480234
804.875	0.481134
804.933	0.481843
805.077	0.482003
805.134	0.484006
805.277	0.484848
805.338	0.485012
805.478	0.484066
805.537	0.481587
805.679	0.48034
805.738	0.479469
805.88	0.478766
805.894	0.478433
806.081	0.478725
806.095	0.4792
806.282	0.479739
806.295	0.480193
806.483	0.48048
806.495	0.480098
806.684	0.47973
806.694	0.479518
806.885	0.479026
806.895	0.47934
807.086	0.47938
807.096	0.479375
807.288	0.479942
807.297	0.479946
807.489	0.480341
807.497	0.480649
807.689	0.481395
807.7	0.48228

30m_1000nm

807.89	0.48257
807.9	0.482473
808.091	0.483154
808.102	0.483547
808.292	0.483429
808.302	0.48309
808.493	0.48277
808.503	0.482179
808.694	0.481026
808.704	0.479899
808.795	0.47956
808.896	0.47956
808.994	0.479559
809.096	0.479559
809.194	0.480523
809.297	0.480523
809.395	0.481942
809.498	0.481942
809.594	0.482666
809.699	0.482666
809.795	0.481358
809.9	0.481358
809.994	0.480479
810.101	0.480479
810.194	0.479804
810.302	0.479804
810.394	0.480151
810.503	0.480151
810.594	0.48066
810.705	0.480823
810.795	0.481044
810.905	0.481044
810.995	0.480265
811.107	0.479621
811.195	0.478076
811.307	0.478076
811.394	0.477109
811.508	0.477109
811.595	0.475797
811.709	0.475797
811.795	0.476403
811.91	0.476403
811.995	0.479881
812.111	0.479881
812.195	0.480956
812.312	0.480956
812.394	0.479768
812.513	0.479768
812.594	0.479494

30m_1000nm

812.714	0.479494
812.795	0.481398
812.915	0.481398
812.994	0.481986
813.116	0.481986
813.195	0.480114
813.317	0.479484
813.394	0.477604
813.518	0.477604
813.595	0.477165
813.719	0.477479
813.795	0.478759
813.92	0.478759
813.994	0.480233
814.121	0.480484
814.195	0.481239
814.322	0.481239
814.395	0.481082
814.523	0.480701
814.595	0.480271
814.724	0.480271
814.794	0.48051
814.926	0.4808
814.995	0.48138
815.126	0.48138
815.194	0.482569
815.327	0.482569
815.395	0.482634
815.528	0.482634
815.595	0.479934
815.729	0.479934
815.795	0.47808
815.93	0.477736
815.994	0.476356
816.131	0.476356
816.195	0.475761
816.332	0.475774
816.394	0.475035
816.533	0.475035
816.595	0.475231
816.734	0.475958
816.795	0.476592
816.935	0.477613
816.995	0.477714
817.136	0.477353
817.194	0.476968
817.337	0.476438
817.398	0.475569
817.538	0.475402

30m_1000nm

817.597	0.475406
817.739	0.475651
817.797	0.476062
817.94	0.476465
818.001	0.476951
818.141	0.476964
818.2	0.476917
818.342	0.477416
818.4	0.477792
818.543	0.478115
818.604	0.478259
818.744	0.47886
818.802	0.478978
818.945	0.479052
819.003	0.479078
819.146	0.47858
819.207	0.478075
819.347	0.478103
819.405	0.47789
819.548	0.477412
819.606	0.477994
819.749	0.478058
819.81	0.477595
819.95	0.477359
820.008	0.477717
820.151	0.478406
820.209	0.479318
820.352	0.480184
820.414	0.480902
820.553	0.481377
820.611	0.480864
820.754	0.48071
820.812	0.480268
820.955	0.479521
821.016	0.478453
821.156	0.477895
821.214	0.476627
821.357	0.476337
821.415	0.475689
821.558	0.475024
821.62	0.474297
821.759	0.474432
821.818	0.474152
821.96	0.474163
822.018	0.474634
822.161	0.476266
822.221	0.476386
822.362	0.476047
822.42	0.4762

30m_1000nm

822.564	0.476378
822.621	0.476378
822.764	0.476318
822.825	0.475975
822.965	0.475564
823.023	0.475462
823.166	0.475502
823.224	0.475589
823.367	0.475673
823.428	0.475756
823.568	0.475911
823.627	0.475768
823.769	0.475476
823.827	0.474479
823.97	0.474355
824.031	0.474433
824.171	0.474717
824.229	0.474784
824.373	0.475043
824.43	0.475364
824.573	0.475878
824.634	0.477208
824.774	0.477586
824.832	0.478584
824.975	0.479528
825.033	0.480178
825.177	0.480561
825.236	0.480697
825.377	0.480898
825.435	0.480456
825.579	0.480286
825.636	0.480006
825.779	0.479748
825.84	0.479994
825.98	0.479504
825.994	0.479625
826.181	0.479125
826.195	0.478385
826.382	0.477446
826.395	0.475584
826.583	0.47566
826.595	0.475968
826.784	0.476449
826.795	0.47782
826.985	0.478985
826.995	0.479479
827.186	0.479748
827.197	0.479167
827.387	0.478293

30m_1000nm

827.398	0.47766
827.588	0.477479
827.601	0.477853
827.789	0.478173
827.799	0.478367
827.99	0.478011
828	0.477582
828.191	0.477874
828.201	0.477608
828.392	0.477048
828.402	0.476971
828.593	0.47598
828.603	0.475906
828.794	0.475826
828.806	0.475837
828.896	0.4755
828.997	0.4755
829.095	0.475163
829.197	0.475163
829.295	0.473901
829.397	0.473901
829.495	0.473063
829.598	0.473063
829.694	0.473191
829.799	0.473761
829.895	0.474831
830.001	0.474831
830.094	0.475211
830.201	0.475211
830.295	0.47703
830.402	0.47703
830.495	0.478093
830.603	0.478093
830.695	0.478236
830.804	0.478236
830.894	0.477868
831.005	0.477868
831.094	0.475755
831.207	0.475755
831.294	0.474216
831.407	0.474216
831.494	0.47372
831.608	0.47372
831.695	0.47525
831.809	0.47525
831.895	0.476422
832.01	0.476422
832.095	0.476303
832.211	0.476303

30m_1000nm

832.295	0.477008
832.413	0.476974
832.494	0.477733
832.613	0.477733
832.695	0.478268
832.814	0.478073
832.895	0.478314
833.015	0.478314
833.095	0.478769
833.217	0.47893
833.295	0.479173
833.417	0.479173
833.494	0.478711
833.619	0.478644
833.694	0.478088
833.819	0.478088
833.895	0.478514
834.02	0.478514
834.095	0.477017
834.221	0.477017
834.295	0.475179
834.422	0.475179
834.495	0.472657
834.623	0.472657
834.695	0.472743
834.824	0.472743
834.894	0.473794
835.025	0.474431
835.095	0.476265
835.226	0.476265
835.295	0.478548
835.428	0.479882
835.495	0.481675
835.628	0.481675
835.695	0.48126
835.829	0.480704
835.895	0.479435
836.031	0.479435
836.094	0.477437
836.231	0.47632
836.295	0.475194
836.432	0.475194
836.495	0.474118
836.633	0.474728
836.695	0.475575
836.835	0.47607
836.895	0.4762
837.036	0.475743
837.094	0.475127

30m_1000nm

837.236	0.475206
837.299	0.475441
837.438	0.475043
837.496	0.475593
837.638	0.475178
837.697	0.475205
837.839	0.474888
837.9	0.474241
838.04	0.473992
838.099	0.473658
838.241	0.473498
838.3	0.47422
838.442	0.474686
838.504	0.475209
838.643	0.475543
838.702	0.476082
838.844	0.475726
838.903	0.475565
839.045	0.475486
839.107	0.47568
839.246	0.47572
839.305	0.476018
839.447	0.476382
839.506	0.477663
839.648	0.478133
839.711	0.478252
839.849	0.478319
839.907	0.477984
840.05	0.478001
840.109	0.478017
840.251	0.47783
840.314	0.477067
840.452	0.477083
840.511	0.477177
840.653	0.477697
840.712	0.477828
840.854	0.47766
840.916	0.477256
841.055	0.476954
841.114	0.476795
841.257	0.476598
841.315	0.476961
841.457	0.477449
841.52	0.478369
841.659	0.479293
841.717	0.480371
841.859	0.480482
841.918	0.480389
842.06	0.480348

30m_1000nm

842.122	0.4799
842.261	0.480186
842.321	0.480498
842.462	0.481385
842.521	0.485482
842.663	0.487876
842.725	0.489587
842.865	0.490645
842.923	0.491153
843.065	0.490912
843.124	0.490394
843.266	0.489475
843.328	0.487148
843.467	0.486028
843.527	0.48532
843.668	0.484675
843.727	0.484637
843.869	0.485005
843.93	0.485306
844.07	0.485646
844.129	0.484633
844.271	0.483915
844.33	0.483471
844.472	0.483314
844.535	0.484266
844.673	0.484744
844.733	0.485352
844.875	0.485594
844.933	0.485797
845.077	0.486569
845.137	0.486569
845.276	0.486511
845.335	0.48593
845.477	0.485884
845.536	0.486371
845.678	0.486825
845.694	0.487283
845.879	0.487962
845.894	0.489716
846.081	0.490324
846.094	0.490506
846.281	0.490396
846.295	0.490354
846.482	0.490166
846.495	0.489673
846.683	0.489241
846.694	0.48876
846.884	0.488806
846.894	0.488423

30m_1000nm

847.085	0.487803
847.094	0.486943
847.286	0.484604
847.295	0.483817
847.487	0.482901
847.496	0.483369
847.688	0.483899
847.697	0.483868
847.889	0.483437
847.898	0.483186
848.09	0.484059
848.098	0.484549
848.291	0.484926
848.3	0.485453
848.492	0.486569
848.501	0.487529
848.693	0.487944
848.702	0.488453
848.794	0.489135
848.897	0.490334
848.995	0.490374
849.097	0.490374
849.194	0.490121
849.297	0.490121
849.394	0.487207
849.497	0.487207
849.594	0.485327
849.699	0.485327
849.794	0.485854
849.899	0.485854
849.995	0.487978
850.1	0.487978
850.195	0.490602
850.301	0.490602
850.394	0.490563
850.503	0.490563
850.594	0.489287
850.703	0.489287
850.795	0.488304
850.905	0.488304
850.995	0.485038
851.105	0.485038
851.195	0.483942
851.306	0.483942
851.395	0.484766
851.507	0.485208
851.594	0.484962
851.709	0.484962
851.794	0.483911

30m_1000nm

851.909	0.483626
851.995	0.483745
852.111	0.483745
852.195	0.484371
852.311	0.484557
852.395	0.484594
852.513	0.484594
852.594	0.484241
852.713	0.484241
852.794	0.48221
852.914	0.48221
852.994	0.479591
853.116	0.479591
853.195	0.476855
853.316	0.476855
853.395	0.475577
853.517	0.475577
853.595	0.476906
853.718	0.476906
853.795	0.478872
853.92	0.478872
853.994	0.479262
854.121	0.479134
854.194	0.47903
854.321	0.47903
854.394	0.479961
854.522	0.480833
854.595	0.482894
854.723	0.482894
854.795	0.485596
854.924	0.486373
854.995	0.487715
855.125	0.487715
855.194	0.488225
855.327	0.48896
855.394	0.489982
855.527	0.489982
855.594	0.490642
855.729	0.490582
855.794	0.489897
855.929	0.489897
855.994	0.488353
856.13	0.487956
856.195	0.487023
856.331	0.487023
856.395	0.486216
856.533	0.486216
856.594	0.48462
856.733	0.484548

30m_1000nm

856.794	0.484337
856.934	0.484337
856.995	0.484559
857.135	0.484949
857.197	0.485153
857.337	0.484828
857.395	0.483839
857.537	0.483216
857.596	0.482924
857.739	0.482745
857.8	0.481881
857.939	0.482024
857.998	0.482347
858.14	0.482663
858.199	0.484324
858.341	0.485114
858.403	0.485565
858.542	0.486469
858.6	0.488032
858.743	0.488002
858.802	0.487893
858.944	0.487549
859.006	0.485417
859.145	0.484779
859.204	0.484037
859.346	0.483307
859.405	0.484284
859.547	0.484916
859.608	0.485393
859.748	0.485803
859.807	0.485723
859.949	0.48514
860.008	0.485134
860.15	0.485778
860.212	0.485995
860.351	0.486915
860.41	0.488785
860.552	0.489523
860.611	0.489726
860.753	0.489912
860.815	0.488766
860.954	0.487925
861.013	0.487627
861.155	0.48768
861.214	0.488358
861.356	0.488041
861.418	0.487551
861.557	0.486161
861.616	0.483308

30m_1000nm

861.758	0.482287
861.818	0.481117
861.959	0.480556
862.021	0.480411
862.16	0.480503
862.219	0.480592
862.361	0.481094
862.42	0.482471
862.562	0.483129
862.623	0.483669
862.763	0.484125
862.822	0.485814
862.964	0.486266
863.023	0.486525
863.165	0.486997
863.227	0.486828
863.367	0.486968
863.425	0.486572
863.567	0.4866
863.626	0.486495
863.768	0.486042
863.829	0.485933
863.969	0.48532
864.028	0.484694
864.17	0.484028
864.229	0.483842
864.371	0.483828
864.433	0.483983
864.573	0.484753
864.631	0.485781
864.773	0.485826
864.832	0.48584
864.974	0.486856
865.035	0.486883
865.175	0.486212
865.234	0.485386
865.376	0.484537
865.435	0.483956
865.577	0.484194
865.639	0.484331
865.778	0.485032
865.837	0.485787
865.979	0.486414
865.995	0.486075
866.18	0.48534
866.195	0.484706
866.381	0.484605
866.394	0.484503
866.583	0.484317

30m_1000nm

866.594	0.48367
866.783	0.484189
866.795	0.484401
866.985	0.484791
866.994	0.484628
867.185	0.483547
867.195	0.482905
867.386	0.482607
867.396	0.48241
867.588	0.483446
867.597	0.484207
867.788	0.484832
867.797	0.485171
867.989	0.485734
868	0.485457
868.19	0.485138
868.199	0.485086
868.391	0.485084
868.402	0.485615
868.592	0.485879
868.602	0.485831
868.793	0.485701
868.804	0.484399
868.994	0.483636
869.003	0.482719
869.095	0.482636
869.197	0.482636
869.295	0.48216
869.396	0.48216
869.495	0.483074
869.597	0.483074
869.694	0.482298
869.798	0.482298
869.895	0.481682
869.999	0.481682
870.095	0.481456
870.2	0.481456
870.295	0.479618
870.401	0.479618
870.495	0.475042
870.603	0.475042
870.694	0.473629
870.803	0.473629
870.895	0.473682
871.004	0.473817
871.095	0.475211
871.205	0.475211
871.294	0.476458
871.407	0.477435

30m_1000nm

871.495	0.479158
871.607	0.479158
871.695	0.48042
871.808	0.48042
871.895	0.482225
872.009	0.482225
872.094	0.483018
872.21	0.483018
872.294	0.483271
872.411	0.483271
872.494	0.48334
872.613	0.48334
872.695	0.485082
872.813	0.485082
872.895	0.484004
873.015	0.484004
873.095	0.482236
873.215	0.482236
873.294	0.481961
873.416	0.481961
873.494	0.481547
873.617	0.481967
873.694	0.483756
873.819	0.483756
873.895	0.485328
874.019	0.486206
874.095	0.486454
874.221	0.486454
874.294	0.486452
874.421	0.48655
874.494	0.485819
874.623	0.485819
874.694	0.483979
874.823	0.48334
874.895	0.483285
875.025	0.483285
875.095	0.484127
875.227	0.484619
875.294	0.484791
875.427	0.484791
875.494	0.485353
875.627	0.485353
875.694	0.485368
875.829	0.485497
875.894	0.484271
876.029	0.484271
876.095	0.482958
876.231	0.482028
876.295	0.480057

30m_1000nm

876.431	0.480057
876.495	0.479839
876.633	0.479965
876.694	0.480545
876.833	0.480545
876.895	0.479788
877.034	0.478761
877.096	0.478306
877.235	0.477961
877.294	0.478604
877.436	0.479288
877.495	0.479653
877.637	0.480005
877.699	0.480254
877.838	0.480373
877.897	0.480586
878.039	0.480579
878.098	0.481418
878.24	0.481825
878.301	0.483067
878.441	0.483478
878.5	0.482723
878.642	0.481446
878.701	0.480196
878.843	0.4793
878.905	0.478577
879.045	0.4787
879.103	0.4787
879.245	0.478327
879.304	0.477907
879.446	0.477422
879.508	0.475959
879.647	0.47512
879.706	0.474586
879.848	0.474622
879.907	0.475772
880.049	0.475313
880.111	0.474941
880.25	0.473773
880.309	0.473049
880.451	0.473819
880.51	0.4747
880.653	0.475935
880.715	0.476959
880.853	0.477193
880.913	0.477427
881.054	0.477373
881.113	0.476707
881.255	0.476139

30m_1000nm

881.317	0.47572
881.456	0.475507
881.515	0.476064
881.657	0.476001
881.716	0.476433
881.858	0.476645
881.92	0.477493
882.059	0.477611
882.119	0.477926
882.26	0.478109
882.32	0.479479
882.461	0.480026
882.523	0.480493
882.662	0.480503
882.721	0.480905
882.863	0.481417
882.922	0.481896
883.064	0.482092
883.126	0.481487
883.265	0.480858
883.324	0.479721
883.466	0.478956
883.525	0.477976
883.667	0.477374
883.729	0.476932
883.869	0.47704
883.927	0.477341
884.069	0.477628
884.128	0.477976
884.27	0.478203
884.332	0.478406
884.471	0.47868
884.53	0.478935
884.672	0.479244
884.732	0.47886
884.873	0.478766
884.936	0.478995
885.074	0.479324
885.133	0.479286
885.275	0.479168
885.334	0.479104
885.476	0.478997
885.538	0.479521
885.677	0.480252
885.736	0.48222
885.878	0.482507
885.894	0.482775
886.079	0.482674
886.094	0.482134

30m_1000nm

886.281	0.481532
886.295	0.481061
886.481	0.480999
886.494	0.481178
886.683	0.480875
886.694	0.480709
886.883	0.480575
886.894	0.480596
887.084	0.480349
887.094	0.479349
887.285	0.478621
887.295	0.478219
887.486	0.478111
887.496	0.478935
887.687	0.479734
887.697	0.481002
887.888	0.482003
887.898	0.483464
888.089	0.483878
888.099	0.48426
888.29	0.48436
888.299	0.484543
888.491	0.484249
888.503	0.483762
888.693	0.482902
888.702	0.482257
888.893	0.480749
888.903	0.480388
888.994	0.480622
889.095	0.480622
889.194	0.481634
889.295	0.481634
889.395	0.482628
889.496	0.482628
889.595	0.483254
889.697	0.483254
889.795	0.483056
889.899	0.483056
889.995	0.482608
890.099	0.482347
890.194	0.481963
890.3	0.481963
890.394	0.48205
890.501	0.48205
890.594	0.482645
890.702	0.482645
890.794	0.48191
890.903	0.48191
890.994	0.480003

30m_1000nm

891.105	0.480003
891.195	0.478813
891.305	0.478813
891.394	0.477376
891.506	0.477376
891.594	0.477793
891.707	0.477793
891.794	0.479599
891.909	0.479599
891.995	0.480807
892.109	0.480807
892.194	0.481895
892.31	0.481895
892.395	0.482546
892.511	0.482546
892.595	0.482921
892.712	0.482806
892.794	0.481514
892.913	0.481514
892.994	0.480352
893.114	0.479528
893.195	0.479145
893.315	0.479145
893.395	0.47871
893.516	0.478649
893.595	0.478006
893.717	0.478006
893.795	0.477606
893.918	0.477719
893.994	0.478898
894.119	0.478898
894.194	0.479544
894.321	0.479544
894.395	0.479077
894.521	0.479077
894.595	0.478225
894.722	0.478225
894.795	0.478805
894.923	0.478805
894.994	0.480137
895.124	0.480137
895.194	0.479958
895.325	0.479486
895.394	0.479044
895.527	0.479044
895.595	0.478716
895.727	0.478637
895.795	0.478779
895.929	0.478779

30m_1000nm

895.994	0.479013
896.129	0.479471
896.194	0.479755
896.33	0.479755
896.394	0.480378
896.531	0.481028
896.595	0.48142
896.733	0.48142
896.795	0.480984
896.933	0.4809
896.995	0.480642
897.135	0.479975
897.195	0.476834
897.335	0.475175
897.394	0.473895
897.536	0.472923
897.598	0.472303
897.739	0.472495
897.797	0.473384
897.939	0.474362
897.997	0.475541
898.139	0.476814
898.201	0.477729
898.34	0.478056
898.399	0.478513
898.541	0.478903
898.6	0.479051
898.743	0.479393
898.804	0.479567
898.943	0.479562
899.003	0.479024
899.144	0.47925
899.203	0.478999
899.345	0.478266
899.407	0.476385
899.547	0.475623
899.605	0.474267
899.747	0.473429
899.806	0.472841
899.948	0.473241
900.01	0.473588
900.149	0.473904
900.208	0.473908
900.35	0.474152
900.409	0.47452
900.551	0.474661
900.613	0.475457
900.753	0.475434
900.811	0.475766

30m_1000nm

900.953	0.476472
901.013	0.477972
901.155	0.47833
901.216	0.478531
901.355	0.479121
901.414	0.479307
901.557	0.478912
901.615	0.478435
901.757	0.478314
901.818	0.478263
901.958	0.478654
902.017	0.479646
902.159	0.480099
902.218	0.480548
902.36	0.480883
902.421	0.479838
902.561	0.478999
902.62	0.478514
902.762	0.47724
902.821	0.473952
902.963	0.472635
903.025	0.472101
903.164	0.47213
903.223	0.472895
903.365	0.47348
903.424	0.474429
903.566	0.475457
903.628	0.477459
903.767	0.477902
903.827	0.478283
903.968	0.47857
904.027	0.479528
904.169	0.479684
904.231	0.479884
904.37	0.480058
904.429	0.479952
904.571	0.480083
904.631	0.479652
904.773	0.47921
904.835	0.479076
904.973	0.479262
905.032	0.47971
905.174	0.480453
905.233	0.480916
905.376	0.480515
905.436	0.480515
905.576	0.480278
905.634	0.479559
905.777	0.47826

30m_1000nm

905.836	0.475412
905.978	0.473971
906.04	0.472963
906.179	0.472625
906.194	0.473122
906.38	0.473564
906.394	0.474137
906.581	0.474771
906.594	0.475671
906.782	0.47609
906.794	0.476231
906.983	0.476255
906.994	0.476386
907.185	0.47695
907.194	0.477028
907.385	0.477394
907.395	0.477785
907.587	0.478124
907.596	0.478139
907.787	0.478095
907.797	0.478304
907.989	0.478358
907.998	0.478083
908.189	0.478225
908.198	0.478513
908.391	0.479288
908.4	0.479691
908.591	0.479863
908.6	0.479554
908.793	0.476939
908.801	0.475035
908.993	0.473778
909.003	0.473415
909.194	0.472929
909.204	0.473338
909.295	0.473973
909.396	0.473973
909.495	0.474213
909.596	0.474213
909.694	0.472097
909.797	0.472097
909.895	0.470413
909.998	0.470413
910.095	0.47071
910.199	0.47071
910.294	0.472298
910.401	0.472298
910.495	0.47531
910.601	0.47531

30m_1000nm

910.694	0.476648
910.802	0.476648
910.894	0.477438
911.003	0.477438
911.094	0.477153
911.204	0.477153
911.295	0.477861
911.405	0.477861
911.494	0.478344
911.607	0.478344
911.695	0.478319
911.807	0.478266
911.894	0.47799
912.008	0.47799
912.094	0.478002
912.209	0.478037
912.294	0.477843
912.41	0.477843
912.495	0.477363
912.611	0.476825
912.695	0.475427
912.812	0.475427
912.895	0.473972
913.015	0.473003
913.095	0.472982
913.215	0.472982
913.295	0.472317
913.415	0.472317
913.494	0.472345
913.617	0.472345
913.695	0.472618
913.817	0.472618
913.894	0.473588
914.019	0.473588
914.095	0.473549
914.219	0.473549
914.294	0.473771
914.421	0.473692
914.494	0.474664
914.621	0.474664
914.694	0.474401
914.822	0.474355
914.895	0.474234
915.023	0.474234
915.095	0.473225
915.224	0.473006
915.295	0.472711
915.425	0.472711
915.494	0.472582

30m_1000nm

915.626	0.472963
915.694	0.473647
915.827	0.473647
915.894	0.474512
916.028	0.474617
916.095	0.474514
916.229	0.474514
916.295	0.475178
916.43	0.475296
916.495	0.475246
916.631	0.475246
916.695	0.475266
916.832	0.475266
916.895	0.475866
917.033	0.475981
917.095	0.477003
917.234	0.477003
917.295	0.477804
917.435	0.478193
917.497	0.479093
917.636	0.479489
917.695	0.480189
917.837	0.481055
917.896	0.481514
918.038	0.481712
918.099	0.481617
918.239	0.48119
918.299	0.480348
918.441	0.479972
918.499	0.479149
918.641	0.478516
918.703	0.478382
918.842	0.478724
918.901	0.479381
919.043	0.479426
919.102	0.479417
919.244	0.479389
919.306	0.479719
919.445	0.480146
919.504	0.480605
919.646	0.480854
919.705	0.481284
919.847	0.481511
919.909	0.482338
920.049	0.483188
920.107	0.483916
920.249	0.485028
920.308	0.485029
920.45	0.485534

30m_1000nm

920.512	0.485954
920.651	0.485754
920.711	0.485197
920.852	0.484577
920.911	0.484427
921.053	0.483783
921.115	0.482165
921.254	0.480965
921.313	0.479741
921.455	0.479239
921.514	0.480006
921.656	0.481071
921.718	0.481992
921.857	0.48315
921.916	0.485186
922.058	0.4857
922.117	0.485654
922.259	0.485398
922.321	0.484403
922.46	0.483994
922.519	0.483142
922.661	0.482527
922.72	0.482548
922.862	0.482761
922.924	0.483075
923.063	0.482854
923.122	0.483093
923.264	0.482785
923.323	0.48245
923.465	0.482257
923.527	0.480538
923.666	0.479877
923.725	0.479493
923.867	0.478822
923.926	0.478171
924.068	0.477541
924.129	0.477737
924.269	0.477769
924.327	0.478019
924.471	0.478314
924.529	0.478953
924.671	0.479541
924.733	0.479967
924.873	0.480495
924.931	0.480977
925.073	0.481451
925.132	0.482024
925.274	0.482929
925.335	0.483497

30m_1000nm

925.475	0.483164
925.534	0.482762
925.677	0.482427
925.735	0.482311
925.877	0.482733
925.939	0.482865
926.078	0.482548
926.137	0.481709
926.279	0.481048
926.294	0.480631
926.481	0.480758
926.494	0.481057
926.681	0.481546
926.694	0.48206
926.882	0.482073
926.895	0.481794
927.083	0.481062
927.095	0.47982
927.284	0.479297
927.294	0.479189
927.485	0.479459
927.495	0.480243
927.687	0.481333
927.697	0.482366
927.888	0.48426
927.897	0.485098
928.089	0.48578
928.099	0.486171
928.29	0.486052
928.301	0.485485
928.491	0.484942
928.501	0.4845
928.692	0.484044
928.703	0.483374
928.893	0.483442
928.903	0.483754
928.994	0.483847
929.095	0.483847
929.194	0.484943
929.295	0.484943
929.394	0.484648
929.496	0.484648
929.595	0.483788
929.697	0.483788
929.795	0.484914
929.898	0.484914
929.994	0.486153
930.099	0.486153
930.194	0.485288

30m_1000nm

930.3	0.485288
930.394	0.483224
930.501	0.483224
930.595	0.48253
930.702	0.48253
930.795	0.482289
930.903	0.482289
930.995	0.481463
931.104	0.481463
931.195	0.479287
931.305	0.478788
931.394	0.478271
931.507	0.478271
931.594	0.478885
931.707	0.479363
931.794	0.479609
931.909	0.479609
931.995	0.481174
932.109	0.481174
932.195	0.48303
932.31	0.48303
932.395	0.483674
932.511	0.483674
932.595	0.482604
932.712	0.482604
932.794	0.481965
932.913	0.481965
932.995	0.481082
933.114	0.481082
933.195	0.480624
933.315	0.480624
933.395	0.479827
933.516	0.479827
933.595	0.479868
933.717	0.479868
933.795	0.480829
933.919	0.480784
933.994	0.479421
934.119	0.479421
934.195	0.477556
934.321	0.476973
934.394	0.476642
934.521	0.476642
934.595	0.476082
934.722	0.476296
934.794	0.476292
934.923	0.476292
934.994	0.477525
935.125	0.478407

30m_1000nm

935.194	0.479242
935.325	0.479242
935.395	0.479801
935.527	0.479833
935.595	0.478406
935.728	0.478406
935.795	0.476974
935.929	0.476974
935.995	0.475532
936.13	0.475532
936.194	0.47627
936.331	0.47627
936.395	0.477714
936.532	0.478556
936.595	0.480512
936.733	0.480512
936.794	0.482106
936.934	0.482801
936.995	0.483323
937.135	0.483323
937.194	0.482106
937.337	0.481057
937.396	0.47987
937.537	0.478952
937.594	0.477362
937.738	0.4768
937.795	0.476281
937.939	0.47564
937.999	0.475524
938.14	0.475402
938.197	0.474488
938.341	0.474339
938.398	0.474593
938.542	0.474721
938.602	0.474545
938.743	0.474908
938.801	0.475879
938.944	0.476587
939.001	0.477677
939.145	0.478391
939.205	0.478842
939.346	0.479194
939.403	0.479095
939.547	0.479071
939.604	0.479448
939.748	0.479389
939.807	0.479888
939.949	0.480424
940.006	0.481093

30m_1000nm

940.15	0.481884
940.207	0.482975
940.351	0.482716
940.411	0.482325
940.553	0.481501
940.609	0.479723
940.753	0.478213
940.81	0.47734
940.954	0.476866
941.014	0.476788
941.155	0.476943
941.213	0.477692
941.357	0.477886
941.413	0.476989
941.557	0.476409
941.618	0.475982
941.758	0.475382
941.815	0.475724
941.959	0.475649
942.016	0.476036
942.16	0.475827
942.22	0.476064
942.361	0.47604
942.418	0.476502
942.562	0.476604
942.619	0.476158
942.763	0.476671
942.823	0.477015
942.964	0.476634
943.022	0.476699
943.166	0.477597
943.222	0.478023
943.367	0.478386
943.426	0.478844
943.569	0.479083
943.625	0.478461
943.769	0.477575
943.825	0.476933
943.97	0.476448
944.028	0.475506
944.171	0.475347
944.227	0.475487
944.372	0.475844
944.428	0.475688
944.573	0.475582
944.631	0.475269
944.774	0.475376
944.831	0.47493
944.975	0.47547

30m_1000nm

945.031	0.47628
945.176	0.477139
945.235	0.478421
945.377	0.479317
945.433	0.479382
945.578	0.479602
945.634	0.47856
945.779	0.478031
945.838	0.477903
945.98	0.478035
946.036	0.479457
946.181	0.479992
946.236	0.480189
946.382	0.479864
946.394	0.479789
946.583	0.480009
946.595	0.479886
946.784	0.479325
946.794	0.478715
946.985	0.477904
946.995	0.478274
947.186	0.478329
947.196	0.47832
947.387	0.478019
947.398	0.478086
947.589	0.477636
947.598	0.477597
947.789	0.477237
947.799	0.478393
947.991	0.478539
948	0.478819
948.191	0.478553
948.202	0.47823
948.392	0.47796
948.401	0.477606
948.593	0.477092
948.604	0.47637
948.794	0.475859
948.803	0.475891
948.895	0.476089
948.996	0.476089
949.095	0.477055
949.196	0.477055
949.294	0.476572
949.397	0.476572
949.494	0.475844
949.598	0.475844
949.695	0.476768
949.799	0.476768

30m_1000nm

949.894	0.475172
950.001	0.475172
950.094	0.473188
950.201	0.473188
950.294	0.471823
950.402	0.471476
950.495	0.470946
950.603	0.470946
950.695	0.471232
950.805	0.47171
950.895	0.473219
951.006	0.473219
951.095	0.474073
951.207	0.474073
951.295	0.475048
951.408	0.475048
951.495	0.476007
951.609	0.476007
951.694	0.477396
951.81	0.477396
951.895	0.477379
952.011	0.477379
952.095	0.476295
952.212	0.476295
952.294	0.476019
952.413	0.476019
952.495	0.475658
952.614	0.475658
952.695	0.476151
952.815	0.476151
952.895	0.47685
953.016	0.476936
953.095	0.477919
953.217	0.477919
953.295	0.479009
953.418	0.479214
953.495	0.478699
953.619	0.478699
953.694	0.477576
953.82	0.477734
953.894	0.477039
954.021	0.477039
954.094	0.476215
954.223	0.475585
954.295	0.474361
954.423	0.474361
954.495	0.473511
954.625	0.473005
954.695	0.471972

30m_1000nm

954.825	0.471972
954.894	0.471713
955.027	0.471713
955.094	0.470609
955.227	0.470609
955.294	0.470196
955.429	0.470196
955.495	0.469606
955.629	0.469251
955.695	0.469537
955.831	0.469537
955.894	0.470498
956.031	0.471072
956.094	0.472773
956.233	0.472773
956.294	0.474419
956.433	0.47515
956.494	0.476052
956.635	0.476052
956.694	0.47715
956.835	0.477498
956.895	0.477867
957.036	0.477867
957.095	0.478346
957.237	0.478169
957.296	0.477895
957.438	0.477307
957.494	0.476288
957.639	0.476086
957.695	0.475897
957.84	0.475636
957.899	0.475173
958.041	0.474785
958.097	0.474668
958.242	0.475349
958.298	0.475952
958.444	0.476079
958.501	0.475808
958.645	0.475564
958.7	0.475271
958.845	0.474941
958.901	0.474991
959.047	0.475249
959.106	0.475726
959.247	0.476064
959.303	0.476629
959.448	0.477026
959.505	0.477015
959.649	0.47718

30m_1000nm

959.709	0.477262
959.851	0.476448
959.905	0.475912
960.051	0.47519
960.107	0.474521
960.252	0.474639
960.311	0.475009
960.453	0.475179
960.509	0.475629
960.654	0.476061
960.709	0.476184
960.855	0.476631
960.914	0.475818
961.057	0.475131
961.112	0.474271
961.257	0.473449
961.314	0.47155
961.459	0.471467
961.518	0.470959
961.659	0.470995
961.715	0.470957
961.861	0.47134
961.916	0.471507
962.061	0.471984
962.12	0.472395
962.263	0.472848
962.318	0.472848
962.463	0.473196
962.519	0.473015
962.664	0.472792
962.724	0.473261
962.865	0.474079
962.921	0.474953
963.066	0.475744
963.122	0.476729
963.267	0.47717
963.326	0.476454
963.469	0.475832
963.524	0.474851
963.669	0.474479
963.725	0.473806
963.871	0.472755
963.93	0.470539
964.071	0.469688
964.127	0.468792
964.273	0.467953
964.328	0.467553
964.473	0.467133
964.533	0.467463

30m_1000nm

964.674	0.468125
964.731	0.469067
964.875	0.469592
964.931	0.470265
965.076	0.470726
965.135	0.471119
965.277	0.471302
965.333	0.471016
965.479	0.471183
965.534	0.471502
965.679	0.472595
965.738	0.473672
965.88	0.474495
965.936	0.475884
966.082	0.475995
966.094	0.475995
966.282	0.475385
966.295	0.474826
966.483	0.474412
966.495	0.474667
966.684	0.47482
966.695	0.474528
966.885	0.474372
966.894	0.473794
967.086	0.473867
967.095	0.474143
967.287	0.474499
967.298	0.474892
967.488	0.475399
967.497	0.475049
967.689	0.474477
967.699	0.473806
967.89	0.473243
967.899	0.472894
968.091	0.472466
968.1	0.472392
968.292	0.472048
968.302	0.471595
968.493	0.470453
968.502	0.469108
968.694	0.467801
968.703	0.467961
968.795	0.468606
968.896	0.468606
968.994	0.47079
969.097	0.47079
969.195	0.47264
969.297	0.47264
969.395	0.472785

30m_1000nm

969.499	0.472888
969.595	0.472461
969.699	0.472461
969.794	0.473024
969.902	0.474775
969.995	0.476176
970.101	0.476176
970.195	0.478776
970.302	0.478776
970.394	0.482405
970.503	0.482405
970.595	0.484789
970.705	0.484789
970.794	0.486114
970.905	0.486114
970.994	0.485319
971.107	0.485319
971.194	0.482973
971.307	0.482973
971.394	0.48044
971.509	0.48044
971.595	0.478031
971.709	0.478031
971.795	0.477558
971.91	0.477558
971.995	0.477527
972.111	0.478436
972.195	0.480303
972.312	0.480303
972.394	0.481385
972.513	0.481203
972.595	0.480245
972.714	0.480245
972.794	0.478875
972.915	0.478127
972.995	0.476386
973.116	0.476386
973.194	0.475466
973.317	0.475002
973.394	0.475423
973.519	0.475423
973.594	0.476225
973.719	0.476225
973.795	0.47691
973.92	0.47691
973.995	0.478233
974.121	0.478233
974.195	0.478738
974.322	0.478738

30m_1000nm

974.395	0.47848
974.523	0.47848
974.595	0.477852
974.724	0.477377
974.794	0.476847
974.925	0.476847
974.995	0.477818
975.126	0.478266
975.195	0.479131
975.327	0.479131
975.395	0.480379
975.528	0.479976
975.594	0.479425
975.729	0.479425
975.794	0.479548
975.93	0.480704
975.995	0.481888
976.131	0.481888
976.194	0.48084
976.332	0.479478
976.394	0.476633
976.533	0.476633
976.594	0.475001
976.735	0.474847
976.794	0.474681
976.935	0.474681
976.994	0.47451
977.137	0.474362
977.196	0.47499
977.337	0.475853
977.395	0.477082
977.539	0.478667
977.597	0.482254
977.739	0.483234
977.8	0.483674
977.94	0.483773
977.998	0.483063
978.141	0.481951
978.199	0.480107
978.343	0.478631
978.403	0.475269
978.543	0.473654
978.601	0.471839
978.745	0.470919
978.803	0.470731
978.945	0.471103
979.006	0.47161
979.146	0.472431
979.204	0.473953

30m_1000nm

979.347	0.474684
979.405	0.475441
979.548	0.476355
979.609	0.478488
979.749	0.479548
979.807	0.480227
979.951	0.480412
980.008	0.479693
980.151	0.478987
980.212	0.478407
980.352	0.47787
980.41	0.477212
980.553	0.476891
980.611	0.476829
980.755	0.476864
980.816	0.476778
980.955	0.476361
981.013	0.476714
981.156	0.477307
981.215	0.478024
981.357	0.478171
981.417	0.478392
981.558	0.477987
981.616	0.477034
981.759	0.476635
981.817	0.475468
981.96	0.47485
982.022	0.474665
982.161	0.474721
982.219	0.474453
982.362	0.474602
982.42	0.474608
982.563	0.475238
982.625	0.477079
982.765	0.477838
982.822	0.47838
982.965	0.478892
983.023	0.479473
983.167	0.479171
983.227	0.478371
983.367	0.477268
983.424	0.476386
983.568	0.475869
983.626	0.475844
983.769	0.475527
983.83	0.474804
983.971	0.474631
984.028	0.474545
984.171	0.474432

30m_1000nm

984.23	0.473471
984.372	0.473089
984.433	0.472764
984.573	0.472823
984.631	0.473328
984.775	0.473787
984.832	0.473878
984.976	0.473749
985.035	0.473057
985.177	0.471813
985.234	0.469484
985.378	0.468706
985.435	0.468575
985.579	0.469242
985.637	0.471565
985.78	0.473383
985.837	0.475129
985.981	0.476409
985.994	0.47881
986.182	0.479534
986.194	0.480285
986.383	0.480524
986.394	0.479672
986.584	0.478991
986.594	0.478406
986.785	0.47767
986.796	0.476613
986.986	0.475697
986.996	0.475252
987.187	0.475264
987.196	0.475861
987.389	0.476964
987.397	0.477473
987.589	0.47807
987.599	0.478555
987.79	0.479369
987.8	0.479883
987.991	0.479938
988	0.479336
988.193	0.478081
988.203	0.477629
988.393	0.476919
988.403	0.476155
988.494	0.474371
988.595	0.474371
988.694	0.473217
988.795	0.473217
988.894	0.472302
988.997	0.472302

30m_1000nm

989.095	0.471257
989.197	0.471257
989.295	0.472338
989.398	0.472338
989.495	0.474246
989.599	0.474246
989.694	0.474514
989.8	0.474514
989.894	0.472793
990.001	0.472793
990.094	0.471236
990.203	0.471236
990.295	0.472313
990.403	0.472313
990.495	0.474561
990.604	0.474561
990.694	0.476902
990.805	0.476902
990.894	0.477823
991.006	0.477823
991.094	0.478232
991.207	0.478232
991.295	0.478216
991.409	0.478216
991.494	0.477296
991.609	0.476494
991.695	0.475876
991.811	0.475876
991.894	0.47543
992.011	0.475479
992.094	0.474774
992.213	0.474774
992.294	0.473955
992.414	0.474123
992.495	0.474062
992.615	0.474062
992.694	0.474192
992.816	0.474192
992.894	0.475909
993.017	0.475909
993.095	0.476069
993.218	0.476069
993.295	0.475443
993.419	0.475443
993.494	0.47474
993.62	0.47474
993.694	0.475543
993.821	0.476141
993.895	0.477194

30m_1000nm

994.022	0.477194
994.094	0.477402
994.223	0.476852
994.295	0.475878
994.424	0.475878
994.494	0.474646
994.625	0.473537
994.695	0.472632
994.826	0.472632
994.895	0.473056
995.027	0.473827
995.095	0.475433
995.228	0.475433
995.295	0.477216
995.43	0.477704
995.495	0.478586
995.63	0.478586
995.695	0.478176
995.831	0.478058
995.895	0.476941
996.032	0.476941
996.094	0.477112
996.233	0.477122
996.295	0.478561
996.434	0.478561
996.495	0.4792
996.635	0.4792
996.694	0.479225
996.836	0.478559
996.895	0.47609
997.037	0.47609
997.097	0.473978
997.238	0.473482
997.295	0.47329
997.439	0.472919
997.496	0.472888
997.64	0.473861
997.7	0.474125
997.841	0.47376
997.898	0.473058
998.042	0.472553
998.099	0.471854
998.243	0.47133
998.303	0.471636
998.444	0.472162
998.501	0.472146
998.645	0.472085
998.702	0.472864
998.846	0.473518

30m_1000nm

998.906	0.474224
999.047	0.474195
999.104	0.472255
999.248	0.470599
999.305	0.469425
999.449	0.468017
999.51	0.465912
999.65	0.465493
999.707	0.46594
999.851	0.46644
999.908	0.467224
1000.05	0.468933
1000.11	0.470289
1000.25	0.47181
1000.31	0.47332
1000.46	0.474287
1000.51	0.476488
1000.66	0.477575
1000.72	0.47876
1000.86	0.479409
1000.91	0.479537
1001.06	0.479076
1001.11	0.478328
1001.26	0.477945
1001.32	0.47769
1001.46	0.477242
1001.52	0.476951
1001.66	0.476603
1001.72	0.475949
1001.86	0.475384
1001.92	0.47466
1002.06	0.474071
1002.12	0.473904
1002.26	0.473669
1002.32	0.473523
1002.47	0.473665
1002.52	0.472956
1002.67	0.47254
1002.72	0.471771
1002.87	0.471766
1002.92	0.472358
1003.07	0.473263
1003.13	0.473909
1003.27	0.47456
1003.33	0.47464
1003.47	0.474297
1003.53	0.474393
1003.67	0.474323
1003.73	0.474826

30m_1000nm

1003.87	0.476128
1003.93	0.476422
1004.07	0.476287
1004.13	0.475598
1004.28	0.474714
1004.33	0.472436
1004.47	0.472009
1004.53	0.471961
1004.68	0.472397
1004.73	0.473492
1004.88	0.473821
1004.94	0.474085
1005.08	0.474378
1005.13	0.473916
1005.28	0.473811
1005.34	0.47379
1005.48	0.473498
1005.54	0.473014
1005.68	0.472426
1005.74	0.472036
1005.88	0.472038
1005.9	0.472332
1006.08	0.472923
1006.09	0.47414
1006.28	0.475149
1006.29	0.475976
1006.48	0.476297
1006.49	0.476517
1006.69	0.476734
1006.7	0.476624
1006.89	0.476441
1006.9	0.475998
1007.09	0.475761
1007.1	0.475323
1007.29	0.475176
1007.3	0.474481
1007.49	0.474133
1007.5	0.47357
1007.69	0.472351
1007.7	0.471797
1007.89	0.471649
1007.9	0.471739
1008.09	0.472534
1008.1	0.474426
1008.2	0.476151
1008.3	0.476151
1008.39	0.478433
1008.5	0.478433
1008.59	0.479154

30m_1000nm

1008.7	0.479154
1008.79	0.477989
1008.9	0.477989
1008.99	0.476459
1009.1	0.476459
1009.19	0.474847
1009.3	0.474847
1009.39	0.474375
1009.5	0.474375
1009.59	0.475275
1009.7	0.475275
1009.79	0.474929
1009.9	0.474929
1009.99	0.473562
1010.1	0.473562
1010.19	0.471821
1010.3	0.471821
1010.4	0.47108
1010.51	0.47108
1010.59	0.470499
1010.71	0.470415
1010.79	0.469017
1010.91	0.469017
1010.99	0.468725
1011.11	0.468664
1011.2	0.468911
1011.31	0.468911
1011.39	0.469197
1011.51	0.46926
1011.59	0.469234
1011.71	0.469234
1011.79	0.469269
1011.91	0.469269
1011.99	0.470476
1012.11	0.470476
1012.19	0.472248
1012.32	0.472248
1012.4	0.473274
1012.52	0.473274
1012.59	0.473995
1012.72	0.473995
1012.79	0.474683
1012.92	0.474683
1012.99	0.475039
1013.12	0.475039
1013.2	0.474959
1013.32	0.47456
1013.4	0.474366
1013.52	0.474366

30m_1000nm

1013.59	0.473808
1013.72	0.473462
1013.79	0.473907
1013.92	0.473907
1013.99	0.474766
1014.12	0.475107
1014.19	0.474248
1014.33	0.474248
1014.4	0.472946
1014.53	0.471624
1014.59	0.469408
1014.73	0.469408
1014.79	0.468392
1014.93	0.46867
1014.99	0.469425
1015.13	0.469425
1015.19	0.470323
1015.33	0.470194
1015.4	0.470703
1015.53	0.470703
1015.59	0.471164
1015.73	0.471164
1015.79	0.471341
1015.93	0.471405
1015.99	0.470489
1016.13	0.470489
1016.19	0.470194
1016.34	0.470282
1016.39	0.470379
1016.54	0.470013
1016.59	0.470002
1016.74	0.470167
1016.79	0.470142
1016.94	0.470142
1017	0.469894
1017.14	0.46984
1017.2	0.469691
1017.34	0.470198
1017.4	0.471336
1017.54	0.471771
1017.6	0.472572
1017.74	0.472923
1017.8	0.473454
1017.94	0.473155
1018	0.473334
1018.14	0.473465
1018.2	0.473374
1018.34	0.47324
1018.4	0.472801

30m_1000nm

1018.55	0.472436
1018.6	0.471762
1018.75	0.471155
1018.8	0.471166
1018.95	0.471298
1019	0.471583
1019.15	0.473034
1019.21	0.473034
1019.35	0.472537
1019.41	0.471871
1019.55	0.471272
1019.61	0.469296
1019.75	0.468264
1019.81	0.468041
1019.95	0.468189
1020.01	0.469013
1020.15	0.469166
1020.21	0.469449
1020.35	0.470138
1020.41	0.472232
1020.56	0.473054
1020.61	0.473687
1020.76	0.473486
1020.81	0.471474
1020.96	0.470205
1021.01	0.468972
1021.16	0.467534
1021.22	0.465822
1021.36	0.465729
1021.42	0.465312
1021.56	0.465752
1021.62	0.46738
1021.76	0.46803
1021.82	0.468149
1021.96	0.468284
1022.02	0.468016
1022.16	0.467863
1022.22	0.467199
1022.36	0.467167
1022.42	0.466864
1022.57	0.467332
1022.62	0.467496
1022.77	0.467995
1022.82	0.467924
1022.97	0.468122
1023.03	0.468122
1023.17	0.468193
1023.22	0.46852
1023.37	0.468755

30m_1000nm

1023.43	0.469159
1023.57	0.468903
1023.63	0.468154
1023.77	0.466986
1023.83	0.465833
1023.97	0.465456
1024.03	0.464891
1024.17	0.464602
1024.23	0.465645
1024.38	0.465975
1024.43	0.466492
1024.58	0.466868
1024.63	0.468143
1024.78	0.469377
1024.84	0.470753
1024.98	0.472112
1025.03	0.474023
1025.18	0.474681
1025.23	0.474811
1025.38	0.474273
1025.44	0.472058
1025.58	0.47068
1025.64	0.469776
1025.78	0.468879
1025.8	0.468072
1025.98	0.468153
1025.99	0.468809
1026.18	0.469535
1026.19	0.469878
1026.39	0.471134
1026.39	0.471371
1026.59	0.471262
1026.6	0.471079
1026.79	0.470911
1026.8	0.469884
1026.99	0.469639
1027	0.469251
1027.19	0.468866
1027.2	0.46769
1027.39	0.467306
1027.4	0.467187
1027.59	0.466956
1027.6	0.466951
1027.79	0.46725
1027.8	0.467694
1027.99	0.467891
1028	0.468294
1028.09	0.468371
1028.19	0.468371

30m_1000nm

1028.29	0.468589
1028.4	0.468589
1028.49	0.469064
1028.6	0.469064
1028.69	0.469885
1028.8	0.469885
1028.9	0.470277
1029	0.470277
1029.09	0.470427
1029.2	0.470427
1029.29	0.471636
1029.4	0.471636
1029.49	0.471734
1029.6	0.471734
1029.69	0.470581
1029.8	0.469428
1029.9	0.468727
1030	0.468727
1030.09	0.468187
1030.2	0.468731
1030.29	0.470068
1030.41	0.470068
1030.49	0.471826
1030.61	0.471826
1030.69	0.473538
1030.81	0.473538
1030.9	0.474583
1031.01	0.474583
1031.09	0.476383
1031.21	0.476383
1031.29	0.476249
1031.41	0.476249
1031.49	0.475134
1031.61	0.475134
1031.69	0.475618
1031.81	0.475618
1031.9	0.476016
1032.01	0.476016
1032.09	0.474482
1032.21	0.474482
1032.3	0.473169
1032.42	0.472557
1032.49	0.472582
1032.62	0.472582
1032.69	0.472822
1032.82	0.472996
1032.89	0.47403
1033.02	0.47403
1033.09	0.474505

30m_1000nm

1033.22	0.475182
1033.3	0.47551
1033.42	0.47551
1033.49	0.475565
1033.62	0.47525
1033.69	0.474488
1033.82	0.474488
1033.9	0.47247
1034.02	0.471994
1034.09	0.473284
1034.22	0.473284
1034.29	0.475206
1034.43	0.475206
1034.49	0.476812
1034.63	0.476812
1034.69	0.477341
1034.83	0.477341
1034.9	0.476378
1035.03	0.475554
1035.09	0.473851
1035.23	0.473851
1035.29	0.472692
1035.43	0.47216
1035.49	0.471509
1035.63	0.471509
1035.69	0.472842
1035.83	0.473387
1035.9	0.473883
1036.03	0.473883
1036.09	0.474386
1036.23	0.474406
1036.3	0.474045
1036.44	0.473732
1036.49	0.473853
1036.64	0.474434
1036.69	0.475642
1036.84	0.476318
1036.9	0.477188
1037.04	0.476949
1037.1	0.477222
1037.24	0.477105
1037.3	0.476527
1037.44	0.476391
1037.5	0.476582
1037.64	0.47673
1037.7	0.476777
1037.84	0.4757
1037.9	0.474998
1038.04	0.474447

30m_1000nm

1038.1	0.474181
1038.24	0.474428
1038.3	0.474854
1038.44	0.47537
1038.5	0.476047
1038.65	0.476782
1038.71	0.477772
1038.85	0.477623
1038.91	0.4769
1039.05	0.476588
1039.11	0.475161
1039.25	0.474618
1039.31	0.473761
1039.45	0.472791
1039.51	0.471494
1039.65	0.471262
1039.71	0.470827
1039.85	0.47051
1039.91	0.468979
1040.05	0.468978
1040.11	0.469169
1040.26	0.469471
1040.31	0.469847
1040.45	0.469905
1040.52	0.470285
1040.66	0.470641
1040.71	0.471321
1040.86	0.471772
1040.92	0.472074
1041.06	0.472805
1041.12	0.473378
1041.26	0.473283
1041.32	0.47295
1041.46	0.47265
1041.52	0.472289
1041.66	0.470534
1041.72	0.470449
1041.86	0.470914
1041.92	0.471503
1042.06	0.472512
1042.12	0.473831
1042.26	0.474586
1042.33	0.474098
1042.46	0.473917
1042.52	0.473423
1042.67	0.473551
1042.72	0.473671
1042.87	0.47416
1042.93	0.473816

30m_1000nm

1043.07	0.473766
1043.13	0.472999
1043.27	0.471931
1043.33	0.470143
1043.47	0.470083
1043.53	0.469816
1043.67	0.469861
1043.73	0.470118
1043.87	0.470959
1043.93	0.471525
1044.07	0.472284
1044.14	0.473414
1044.27	0.473925
1044.33	0.474473
1044.47	0.474733
1044.54	0.474257
1044.68	0.473945
1044.74	0.473646
1044.88	0.473726
1044.94	0.473381
1045.08	0.473746
1045.09	0.474144
1045.28	0.474366
1045.3	0.473982
1045.48	0.472887
1045.49	0.471948
1045.68	0.47121
1045.69	0.470262
1045.88	0.46943
1045.9	0.46872
1046.08	0.467902
1046.09	0.46673
1046.28	0.465807
1046.3	0.464402
1046.48	0.464119
1046.49	0.464615
1046.69	0.464967
1046.7	0.466162
1046.89	0.467166
1046.9	0.467358
1047.09	0.467938
1047.1	0.468401
1047.29	0.46877
1047.3	0.469396
1047.49	0.470384
1047.5	0.470992
1047.69	0.470425
1047.7	0.469526
1047.89	0.468572

30m_1000nm

1047.9	0.468263
1048.09	0.469486
1048.1	0.470214
1048.19	0.47049
1048.3	0.47049
1048.39	0.472161
1048.49	0.472161
1048.59	0.472544
1048.7	0.472544
1048.8	0.473363
1048.9	0.473363
1048.99	0.47225
1049.1	0.47225
1049.19	0.471516
1049.3	0.470847
1049.4	0.469773
1049.5	0.469773
1049.59	0.466969
1049.7	0.466969
1049.79	0.464386
1049.9	0.464386
1049.99	0.464243
1050.1	0.464243
1050.19	0.465184
1050.3	0.465184
1050.4	0.466662
1050.51	0.466662
1050.59	0.468511
1050.71	0.468511
1050.79	0.468387
1050.91	0.468387
1050.99	0.468241
1051.11	0.468241
1051.19	0.468597
1051.31	0.468597
1051.4	0.468525
1051.51	0.468525
1051.59	0.467938
1051.71	0.467938
1051.79	0.468095
1051.91	0.46853
1051.99	0.46904
1052.11	0.46904
1052.19	0.468867
1052.31	0.468954
1052.4	0.468596
1052.52	0.468596
1052.59	0.468174
1052.72	0.468412

30m_1000nm

1052.8	0.469295
1052.92	0.469295
1052.99	0.47064
1053.12	0.47064
1053.19	0.471499
1053.32	0.471499
1053.39	0.470827
1053.52	0.470827
1053.59	0.469836
1053.72	0.469836
1053.8	0.470044
1053.92	0.470044
1053.99	0.468855
1054.12	0.468855
1054.19	0.468165
1054.32	0.468165
1054.39	0.468188
1054.53	0.468395
1054.59	0.468735
1054.73	0.468735
1054.8	0.468726
1054.93	0.468155
1054.99	0.46802
1055.13	0.46802
1055.19	0.468181
1055.33	0.468464
1055.39	0.468622
1055.53	0.468622
1055.59	0.468945
1055.73	0.469314
1055.79	0.469654
1055.93	0.469654
1055.99	0.470914
1056.13	0.471097
1056.19	0.471403
1056.33	0.471689
1056.4	0.471183
1056.54	0.470623
1056.59	0.470039
1056.74	0.46996
1056.8	0.470162
1056.94	0.470926
1057	0.470926
1057.14	0.471177
1057.2	0.471486
1057.34	0.47135
1057.4	0.471799
1057.54	0.471736
1057.6	0.471722

30m_1000nm

1057.74	0.471387
1057.8	0.470663
1057.94	0.470832
1058	0.47115
1058.14	0.471374
1058.2	0.471268
1058.34	0.471366
1058.4	0.471416
1058.55	0.470977
1058.61	0.471499
1058.75	0.47184
1058.81	0.472456
1058.95	0.473002
1059.01	0.474413
1059.15	0.474445
1059.21	0.473934
1059.35	0.473428
1059.41	0.471987
1059.55	0.470744
1059.61	0.469774
1059.75	0.469008
1059.81	0.467579
1059.95	0.467192
1060.01	0.466409
1060.15	0.46541
1060.21	0.46489
1060.35	0.464985
1060.42	0.464668
1060.56	0.464697
1060.61	0.465078
1060.76	0.465507
1060.81	0.467158
1060.96	0.468151
1061.02	0.469204
1061.16	0.469967
1061.22	0.471014
1061.36	0.471562
1061.42	0.472105
1061.56	0.472458
1061.62	0.472221
1061.76	0.47202
1061.82	0.471936
1061.96	0.472273
1062.02	0.472809
1062.16	0.473395
1062.22	0.473117
1062.36	0.472686
1062.42	0.470775
1062.56	0.46974

30m_1000nm

1062.62	0.469184
1062.77	0.469002
1062.83	0.467995
1062.97	0.468137
1063.03	0.468704
1063.17	0.468613
1063.23	0.469824
1063.37	0.471098
1063.43	0.471967
1063.57	0.472661
1063.63	0.472745
1063.77	0.472568
1063.83	0.472032
1063.97	0.471724
1064.03	0.471242
1064.17	0.470855
1064.23	0.470452
1064.37	0.470298
1064.43	0.470127
1064.57	0.470347
1064.64	0.470305
1064.78	0.469895
1064.83	0.469494
1064.98	0.468689
1065.04	0.467601
1065.18	0.46674
1065.24	0.465758
1065.38	0.465263
1065.39	0.46585
1065.58	0.466364
1065.59	0.466897
1065.78	0.467741
1065.79	0.468986
1065.98	0.469952
1065.99	0.47071
1066.18	0.471206
1066.19	0.471555
1066.38	0.471429
1066.39	0.471374
1066.58	0.471123
1066.59	0.470863
1066.79	0.470756
1066.8	0.470551
1066.99	0.470366
1067	0.470986
1067.19	0.471494
1067.2	0.471789
1067.39	0.472399
1067.4	0.472775

30m_1000nm

1067.59	0.472763
1067.6	0.472413
1067.79	0.472155
1067.8	0.472571
1067.99	0.471561
1068	0.470823
1068.19	0.469491
1068.2	0.468606
1068.39	0.468685
1068.4	0.469632
1068.49	0.470417
1068.6	0.470417
1068.69	0.472404
1068.8	0.472404
1068.89	0.47236
1069	0.47236
1069.09	0.47101
1069.2	0.47101
1069.3	0.470992
1069.4	0.470992
1069.49	0.471702
1069.6	0.471702
1069.69	0.471771
1069.8	0.471771
1069.9	0.471806
1070	0.471806
1070.09	0.472625
1070.2	0.472625
1070.29	0.473839
1070.4	0.473839
1070.49	0.474951
1070.6	0.474951
1070.69	0.474973
1070.81	0.474973
1070.9	0.473024
1071.01	0.472497
1071.09	0.471146
1071.21	0.471146
1071.29	0.470679
1071.41	0.470607
1071.49	0.470722
1071.61	0.470722
1071.69	0.470193
1071.81	0.470013
1071.9	0.469321
1072.01	0.469321
1072.09	0.468099
1072.21	0.468099
1072.29	0.466823

30m_1000nm

1072.41	0.466823
1072.49	0.46688
1072.61	0.46688
1072.69	0.468872
1072.82	0.468872
1072.9	0.46978
1073.02	0.46978
1073.09	0.468364
1073.22	0.468364
1073.3	0.467368
1073.42	0.467368
1073.49	0.466952
1073.62	0.467274
1073.69	0.468771
1073.82	0.468771
1073.89	0.471627
1074.02	0.472964
1074.09	0.47532
1074.22	0.47532
1074.3	0.47632
1074.42	0.47603
1074.49	0.474488
1074.63	0.474488
1074.69	0.472319
1074.83	0.47127
1074.89	0.471149
1075.03	0.471149
1075.09	0.47171
1075.23	0.472459
1075.29	0.472611
1075.43	0.472611
1075.49	0.471637
1075.63	0.470569
1075.69	0.468657
1075.83	0.468657
1075.89	0.467539
1076.03	0.467539
1076.09	0.468076
1076.23	0.468673
1076.3	0.46921
1076.43	0.46921
1076.49	0.468533
1076.64	0.468339
1076.7	0.468425
1076.84	0.468881
1076.9	0.469245
1077.04	0.469606
1077.1	0.469875
1077.24	0.470159

30m_1000nm

1077.3	0.47134
1077.44	0.471937
1077.5	0.471758
1077.64	0.471271
1077.7	0.469555
1077.84	0.46829
1077.9	0.467235
1078.04	0.466864
1078.1	0.466534
1078.24	0.466513
1078.3	0.466756
1078.44	0.467344
1078.51	0.468818
1078.65	0.469661
1078.7	0.470811
1078.85	0.471666
1078.91	0.4723
1079.05	0.472315
1079.11	0.472374
1079.25	0.472467
1079.31	0.472884
1079.45	0.473124
1079.51	0.473124
1079.65	0.472797
1079.71	0.471943
1079.85	0.47127
1079.91	0.470499
1080.05	0.469388
1080.11	0.468971
1080.25	0.468927
1080.32	0.469687
1080.45	0.47023
1080.51	0.470423
1080.66	0.47093
1080.71	0.471476
1080.86	0.471517
1080.92	0.471184
1081.06	0.47073
1081.12	0.469963
1081.26	0.469973
1081.32	0.469801
1081.46	0.469688
1081.52	0.468595
1081.66	0.467941
1081.72	0.467309
1081.86	0.466719
1081.92	0.466147
1082.06	0.466357
1082.12	0.467209

30m_1000nm

1082.26	0.46764
1082.32	0.466513
1082.46	0.465578
1082.52	0.464722
1082.67	0.464317
1082.73	0.464183
1082.87	0.464379
1082.93	0.464629
1083.07	0.465177
1083.13	0.465335
1083.27	0.465181
1083.33	0.465181
1083.47	0.465374
1083.53	0.465557
1083.67	0.465536
1083.73	0.46643
1083.87	0.466732
1083.93	0.467005
1084.07	0.467429
1084.13	0.467703
1084.27	0.468068
1084.33	0.468179
1084.47	0.468436
1084.54	0.468158
1084.68	0.46806
1084.73	0.467811
1084.88	0.468045
1084.94	0.468234
1085.08	0.468144
1085.14	0.467869
1085.28	0.467345
1085.29	0.466099
1085.48	0.465657
1085.49	0.465022
1085.68	0.464517
1085.69	0.465306
1085.88	0.46591
1085.89	0.465885
1086.08	0.466067
1086.09	0.466496
1086.28	0.46712
1086.29	0.468157
1086.48	0.468681
1086.49	0.468682
1086.69	0.468526
1086.7	0.468214
1086.89	0.468117
1086.9	0.467765
1087.09	0.467774

30m_1000nm

1087.1	0.467902
1087.29	0.467932
1087.3	0.467751
1087.49	0.467138
1087.5	0.465082
1087.69	0.464545
1087.7	0.463653
1087.89	0.463148
1087.9	0.463516
1088.09	0.464188
1088.1	0.465291
1088.29	0.466097
1088.3	0.466771
1088.49	0.466995
1088.5	0.46703
1088.59	0.467268
1088.7	0.467268
1088.8	0.467185
1088.9	0.467185
1088.99	0.467079
1089.1	0.467079
1089.19	0.464776
1089.3	0.464776
1089.39	0.462242
1089.5	0.462242
1089.59	0.459874
1089.7	0.459874
1089.8	0.460117
1089.9	0.460117
1089.99	0.460596
1090.1	0.461371
1090.19	0.462702
1090.3	0.462702
1090.39	0.463942
1090.51	0.464333
1090.59	0.46523
1090.71	0.46523
1090.8	0.465232
1090.91	0.465232
1090.99	0.464206
1091.11	0.464206
1091.19	0.462014
1091.31	0.462014
1091.39	0.460078
1091.51	0.460078
1091.59	0.459928
1091.71	0.459928
1091.79	0.461327
1091.91	0.461327

30m_1000nm

1091.99	0.462093
1092.11	0.462093
1092.19	0.461409
1092.31	0.461409
1092.4	0.461215
1092.51	0.461215
1092.59	0.461303
1092.71	0.462152
1092.79	0.462771
1092.92	0.462771
1092.99	0.462726
1093.12	0.462661
1093.19	0.461806
1093.32	0.461806
1093.4	0.459958
1093.52	0.459293
1093.59	0.459495
1093.72	0.459495
1093.8	0.461106
1093.92	0.461941
1093.99	0.463284
1094.12	0.463284
1094.19	0.463509
1094.32	0.463217
1094.4	0.46316
1094.52	0.46316
1094.59	0.464325
1094.72	0.464325
1094.79	0.466874
1094.93	0.466874
1094.99	0.466478
1095.13	0.466478
1095.19	0.46452
1095.33	0.463463
1095.39	0.461694
1095.53	0.461694
1095.59	0.460497
1095.73	0.460604
1095.8	0.461907
1095.93	0.461907
1095.99	0.462721
1096.13	0.463473
1096.19	0.465783
1096.33	0.465783
1096.4	0.466759
1096.53	0.467073
1096.6	0.467138
1096.73	0.467007
1096.79	0.46557

30m_1000nm

1096.94	0.464438
1096.99	0.463358
1097.14	0.462586
1097.2	0.461354
1097.34	0.460663
1097.4	0.460187
1097.54	0.459918
1097.6	0.460383
1097.74	0.461005
1097.8	0.461976
1097.94	0.462984
1098	0.464209
1098.14	0.465259
1098.2	0.465557
1098.34	0.465794
1098.41	0.465829
1098.54	0.465867
1098.6	0.466199
1098.75	0.465852
1098.8	0.46518
1098.95	0.464508
1099.01	0.464729
1099.15	0.465941
1099.21	0.467544
1099.35	0.469276
1099.41	0.472463
1099.55	0.474149
1099.61	0.474924
1099.75	0.475673
1099.81	0.476199
1099.95	0.476187
1100.01	0.476353
1100.15	0.476255
1100.21	0.476774
1100.35	0.47734
1100.41	0.477654
1100.55	0.47791
1100.61	0.477327
1100.76	0.476299
1100.82	0.475021
1100.96	0.473987
1101.02	0.472053
1101.16	0.471603
1101.22	0.47121
1101.36	0.471382
1101.42	0.473017
1101.56	0.474068
1101.62	0.474839
1101.76	0.47507

30m_1000nm

1101.82	0.4752
1101.96	0.475922
1102.02	0.476133
1102.16	0.476622
1102.22	0.476598
1102.36	0.476399
1102.42	0.47635
1102.56	0.476035
1102.63	0.475908
1102.77	0.475836
1102.82	0.476562
1102.97	0.477022
1103.03	0.4777
1103.17	0.477944
1103.23	0.478033
1103.37	0.478038
1103.43	0.478014
1103.57	0.477934
1103.63	0.477731
1103.77	0.477201
1103.83	0.477035
1103.97	0.4767
1104.03	0.475936
1104.17	0.475436
1104.23	0.47485
1104.37	0.474085
1104.44	0.472996
1104.57	0.472503
1104.63	0.472474
1104.78	0.473265
1104.83	0.473986
1104.98	0.474314
1105.04	0.474853
1105.18	0.475236
1105.24	0.475645
1105.38	0.4762
1105.44	0.47657
1105.58	0.477157
1105.59	0.477197
1105.78	0.477258
1105.8	0.477252
1105.98	0.477026
1105.99	0.476199
1106.18	0.476142
1106.19	0.475695
1106.38	0.475087
1106.4	0.474341
1106.58	0.473453
1106.59	0.472664

30m_1000nm

1106.79	0.472929
1106.79	0.472847
1106.99	0.472961
1107	0.474849
1107.19	0.476057
1107.2	0.476788
1107.39	0.477524
1107.4	0.478704
1107.59	0.478866
1107.6	0.478678
1107.79	0.47838
1107.8	0.478229
1107.99	0.476984
1108	0.475942
1108.19	0.474933
1108.2	0.473766
1108.39	0.472273
1108.4	0.472029
1108.49	0.471866
1108.59	0.471866
1108.69	0.473921
1108.8	0.473921
1108.9	0.475816
1109	0.475816
1109.09	0.475867
1109.2	0.475867
1109.29	0.474695
1109.4	0.474695
1109.49	0.474206
1109.6	0.474365
1109.69	0.474543
1109.8	0.474543
1109.89	0.47599
1110	0.47599
1110.09	0.478133
1110.2	0.478133
1110.3	0.478784
1110.4	0.478784
1110.49	0.477874
1110.6	0.477874
1110.69	0.477064
1110.81	0.477064
1110.89	0.47629
1111.01	0.47629
1111.09	0.476122
1111.21	0.476122
1111.29	0.478069
1111.41	0.478069
1111.49	0.479051

30m_1000nm

1111.61	0.479051
1111.69	0.478593
1111.81	0.478593
1111.89	0.477375
1112.01	0.477375
1112.09	0.476363
1112.21	0.476221
1112.3	0.476397
1112.41	0.476397
1112.49	0.477862
1112.61	0.478381
1112.69	0.480402
1112.81	0.480402
1112.89	0.480475
1113.02	0.480317
1113.09	0.479242
1113.22	0.479242
1113.29	0.477508
1113.42	0.47603
1113.49	0.475735
1113.62	0.475735
1113.69	0.476461
1113.82	0.476461
1113.9	0.47921
1114.02	0.47921
1114.09	0.479779
1114.22	0.479779
1114.3	0.478696
1114.42	0.478696
1114.49	0.47739
1114.62	0.47739
1114.69	0.47626
1114.82	0.475916
1114.89	0.475387
1115.03	0.475387
1115.09	0.473392
1115.23	0.473753
1115.3	0.475282
1115.43	0.475282
1115.49	0.476422
1115.63	0.476644
1115.69	0.476578
1115.83	0.476578
1115.89	0.475876
1116.03	0.475612
1116.09	0.475917
1116.23	0.475917
1116.3	0.475458
1116.43	0.47536

30m_1000nm

1116.49	0.475345
1116.63	0.475379
1116.69	0.47507
1116.83	0.474495
1116.89	0.474404
1117.04	0.474342
1117.1	0.474206
1117.24	0.474974
1117.3	0.474974
1117.44	0.474784
1117.5	0.474447
1117.64	0.474081
1117.7	0.473826
1117.84	0.473714
1117.9	0.473823
1118.04	0.473821
1118.1	0.473567
1118.24	0.473681
1118.3	0.473706
1118.44	0.47358
1118.5	0.473569
1118.64	0.473213
1118.7	0.473592
1118.84	0.474144
1118.91	0.474329
1119.05	0.474385
1119.1	0.474248
1119.25	0.474414
1119.31	0.475328
1119.45	0.475729
1119.51	0.475916
1119.65	0.475934
1119.71	0.474637
1119.85	0.473652
1119.91	0.473023
1120.05	0.472009
1120.11	0.471329
1120.25	0.471214
1120.31	0.471383
1120.45	0.471634
1120.51	0.471586
1120.65	0.471811
1120.72	0.472162
1120.85	0.472436
1120.91	0.473057
1121.06	0.473657
1121.11	0.473733
1121.26	0.474016
1121.32	0.473903

30m_1000nm

1121.46	0.473422
1121.52	0.472533
1121.66	0.472671
1121.72	0.47302
1121.86	0.473435
1121.92	0.474261
1122.06	0.474633
1122.12	0.474778
1122.26	0.475068
1122.32	0.475639
1122.46	0.476031
1122.52	0.47652
1122.66	0.476308
1122.72	0.475468
1122.86	0.475091
1122.92	0.47429
1123.07	0.473417
1123.13	0.473389
1123.27	0.474087
1123.33	0.474944
1123.47	0.475353
1123.53	0.476021
1123.67	0.475776
1123.73	0.475035
1123.87	0.474009
1123.93	0.472425
1124.07	0.471742
1124.13	0.470862
1124.27	0.470544
1124.33	0.47014
1124.47	0.469806
1124.53	0.469199
1124.67	0.469022
1124.73	0.468233
1124.88	0.46851
1124.94	0.468994
1125.08	0.469715
1125.14	0.470735
1125.28	0.471749
1125.34	0.472613
1125.48	0.472492
1125.54	0.471839
1125.68	0.471146
1125.69	0.469386
1125.88	0.468911
1125.89	0.468322
1126.08	0.468176
1126.09	0.467926
1126.28	0.468618

30m_1000nm

1126.29	0.470007
1126.48	0.471474
1126.49	0.473978
1126.68	0.474988
1126.69	0.475724
1126.89	0.476099
1126.89	0.476376
1127.09	0.476406
1127.09	0.476454
1127.29	0.47649
1127.3	0.476382
1127.49	0.47497
1127.5	0.473834
1127.69	0.473043
1127.7	0.471751
1127.89	0.469876
1127.9	0.469172
1128.09	0.468624
1128.1	0.468773
1128.29	0.469566
1128.3	0.470227
1128.49	0.471055
1128.5	0.471935
1128.59	0.472489
1128.69	0.472489
1128.8	0.4712
1128.9	0.4712
1128.99	0.469226
1129.1	0.469226
1129.19	0.467498
1129.3	0.467498
1129.39	0.466985
1129.5	0.466985
1129.59	0.46924
1129.7	0.46924
1129.8	0.472716
1129.9	0.472716
1129.99	0.474814
1130.1	0.474814
1130.19	0.474269
1130.3	0.474269
1130.4	0.473343
1130.5	0.473343
1130.59	0.472201
1130.7	0.472201
1130.8	0.471274
1130.91	0.471274
1130.99	0.472198
1131.11	0.472198

30m_1000nm

1131.19	0.472626
1131.31	0.472633
1131.39	0.47176
1131.51	0.47176
1131.59	0.47019
1131.71	0.46952
1131.8	0.469296
1131.91	0.469296
1131.99	0.469473
1132.11	0.469934
1132.19	0.470117
1132.31	0.470117
1132.4	0.469707
1132.51	0.469707
1132.59	0.46739
1132.71	0.46739
1132.8	0.465767
1132.92	0.465767
1132.99	0.46593
1133.12	0.46593
1133.19	0.465816
1133.32	0.465816
1133.39	0.467367
1133.52	0.467367
1133.59	0.46798
1133.72	0.46798
1133.79	0.468233
1133.92	0.46878
1133.99	0.469325
1134.12	0.469325
1134.19	0.470709
1134.32	0.471587
1134.39	0.472641
1134.52	0.472641
1134.59	0.473335
1134.72	0.473252
1134.79	0.47273
1134.93	0.47273
1134.99	0.471938
1135.13	0.47138
1135.19	0.470328
1135.33	0.470328
1135.4	0.468857
1135.53	0.467709
1135.59	0.465133
1135.73	0.465133
1135.79	0.463464
1135.93	0.463548
1135.99	0.464925

30m_1000nm

1136.13	0.464925
1136.19	0.467735
1136.33	0.467735
1136.39	0.470232
1136.53	0.471151
1136.59	0.4724
1136.73	0.4724
1136.79	0.473355
1136.94	0.473502
1137	0.473425
1137.14	0.472891
1137.2	0.471868
1137.34	0.471513
1137.4	0.47104
1137.54	0.470559
1137.6	0.470104
1137.74	0.470352
1137.8	0.471084
1137.94	0.471783
1138	0.47209
1138.14	0.472047
1138.2	0.472079
1138.34	0.472374
1138.4	0.472473
1138.54	0.472464
1138.6	0.472287
1138.74	0.471667
1138.81	0.468868
1138.94	0.46761
1139.01	0.466539
1139.15	0.466368
1139.21	0.465944
1139.35	0.465673
1139.41	0.465884
1139.55	0.466392
1139.61	0.467173
1139.75	0.468857
1139.81	0.468857
1139.95	0.468643
1140.01	0.468374
1140.15	0.468342
1140.21	0.467302
1140.35	0.467356
1140.41	0.467559
1140.55	0.467745
1140.62	0.468495
1140.75	0.468962
1140.81	0.469853
1140.95	0.470291

30m_1000nm

1141.02	0.470668
1141.16	0.471088
1141.22	0.471268
1141.36	0.471248
1141.42	0.470911
1141.56	0.471305
1141.62	0.471342
1141.76	0.470938
1141.82	0.470566
1141.96	0.471224
1142.02	0.471312
1142.16	0.471068
1142.22	0.470824
1142.36	0.471015
1142.43	0.471274
1142.56	0.471872
1142.62	0.473645
1142.77	0.473991
1142.82	0.474462
1142.96	0.474814
1143.03	0.474705
1143.17	0.473982
1143.23	0.472963
1143.37	0.471792
1143.43	0.470451
1143.57	0.469348
1143.63	0.468298
1143.77	0.468121
1143.83	0.468779
1143.97	0.469611
1144.03	0.471036
1144.17	0.470824
1144.23	0.470072
1144.37	0.468918
1144.43	0.465433
1144.57	0.463967
1144.63	0.462983
1144.77	0.462702
1144.84	0.463969
1144.97	0.465572
1145.04	0.467493
1145.18	0.46907
1145.24	0.471738
1145.38	0.472435
1145.4	0.472035
1145.58	0.471566
1145.59	0.470331
1145.78	0.469846
1145.8	0.469127

30m_1000nm

1145.98	0.468929
1145.99	0.468817
1146.18	0.469349
1146.19	0.46966
1146.38	0.469948
1146.4	0.471066
1146.58	0.47131
1146.59	0.471523
1146.79	0.471283
1146.8	0.470986
1146.98	0.46906
1146.99	0.468505
1147.19	0.467869
1147.2	0.46723
1147.39	0.466772
1147.4	0.466431
1147.59	0.466556
1147.6	0.466908
1147.79	0.467842
1147.8	0.469031
1147.99	0.469841
1148	0.470342
1148.19	0.470978
1148.2	0.471797
1148.39	0.472466
1148.4	0.472537
1148.59	0.472945
1148.6	0.473656
1148.69	0.473754
1148.8	0.473754
1148.9	0.47342
1149	0.47342
1149.09	0.472469
1149.2	0.472469
1149.3	0.470197
1149.4	0.470197
1149.49	0.468004
1149.6	0.468004
1149.69	0.467537
1149.8	0.467537
1149.89	0.469196
1150	0.469196
1150.09	0.469572
1150.2	0.469572
1150.3	0.468988
1150.4	0.469543
1150.49	0.470944
1150.6	0.470944
1150.69	0.471832

30m_1000nm

1150.81	0.471585
1150.9	0.470353
1151.01	0.470353
1151.09	0.469623
1151.21	0.469623
1151.29	0.470303
1151.41	0.470303
1151.49	0.469511
1151.61	0.469511
1151.69	0.46982
1151.81	0.46982
1151.9	0.471914
1152.01	0.471914
1152.09	0.473672
1152.21	0.473672
1152.3	0.472881
1152.41	0.472881
1152.49	0.472392
1152.61	0.472392
1152.69	0.471188
1152.81	0.471188
1152.89	0.469152
1153.02	0.467916
1153.09	0.467022
1153.22	0.467022
1153.29	0.467441
1153.42	0.468153
1153.49	0.469585
1153.62	0.469585
1153.69	0.470627
1153.82	0.471001
1153.89	0.471219
1154.02	0.471219
1154.09	0.471892
1154.22	0.471823
1154.3	0.471722
1154.42	0.471722
1154.49	0.471497
1154.62	0.471352
1154.69	0.471749
1154.82	0.471749
1154.89	0.473195
1155.03	0.473195
1155.09	0.473428
1155.23	0.473428
1155.3	0.471886
1155.43	0.471886
1155.49	0.469104
1155.63	0.467924

30m_1000nm

1155.69	0.46579
1155.83	0.46579
1155.9	0.463638
1156.03	0.462971
1156.09	0.462163
1156.23	0.462163
1156.3	0.463955
1156.43	0.464553
1156.49	0.465234
1156.63	0.465594
1156.69	0.465955
1156.83	0.466213
1156.9	0.466373
1157.04	0.466303
1157.1	0.467702
1157.24	0.468447
1157.3	0.469382
1157.44	0.469906
1157.5	0.470048
1157.64	0.469918
1157.7	0.469894
1157.84	0.469369
1157.9	0.468668
1158.04	0.468263
1158.1	0.468446
1158.24	0.468522
1158.3	0.469103
1158.44	0.469981
1158.51	0.470572
1158.64	0.471261
1158.71	0.47177
1158.84	0.471649
1158.91	0.471584
1159.05	0.471451
1159.11	0.470988
1159.25	0.47014
1159.31	0.469187
1159.45	0.469067
1159.51	0.469217
1159.65	0.469393
1159.71	0.469707
1159.85	0.470272
1159.91	0.471195
1160.05	0.471801
1160.11	0.473703
1160.25	0.474278
1160.31	0.474585
1160.45	0.474284
1160.52	0.473041

30m_1000nm

1160.65	0.4724
1160.72	0.472272
1160.85	0.471978
1160.92	0.472239
1161.06	0.472523
1161.12	0.472497
1161.26	0.472551
1161.32	0.471658
1161.46	0.471215
1161.52	0.471092
1161.66	0.470815
1161.72	0.47017
1161.86	0.469563
1161.92	0.469232
1162.06	0.468415
1162.12	0.466905
1162.26	0.466471
1162.33	0.466579
1162.46	0.466892
1162.53	0.467394
1162.66	0.467834
1162.73	0.468713
1162.86	0.468977
1162.93	0.46906
1163.07	0.46952
1163.13	0.470415
1163.27	0.470596
1163.33	0.470194
1163.47	0.469341
1163.53	0.468346
1163.67	0.4685
1163.73	0.468313
1163.87	0.468014
1163.93	0.46823
1164.07	0.468756
1164.14	0.469005
1164.27	0.469255
1164.33	0.469481
1164.47	0.469205
1164.54	0.468771
1164.67	0.468024
1164.74	0.466234
1164.88	0.465821
1164.89	0.46557
1165.08	0.4657
1165.09	0.465407
1165.28	0.465006
1165.3	0.464936
1165.48	0.465195

30m_1000nm

1165.49	0.465453
1165.68	0.466005
1165.69	0.466944
1165.88	0.467603
1165.89	0.468078
1166.08	0.469646
1166.09	0.469565
1166.28	0.469431
1166.3	0.469402
1166.48	0.469629
1166.49	0.46985
1166.68	0.469836
1166.69	0.470368
1166.89	0.470736
1166.9	0.469993
1167.09	0.469521
1167.1	0.46874
1167.29	0.468044
1167.3	0.467851
1167.49	0.467984
1167.5	0.467613
1167.69	0.46762
1167.7	0.468044
1167.89	0.468746
1167.9	0.469228
1168.09	0.469462
1168.1	0.469578
1168.29	0.469268
1168.3	0.468887
1168.49	0.468625
1168.5	0.46819
1168.69	0.467008
1168.7	0.466998
1168.79	0.466957
1168.9	0.466957
1168.99	0.468834
1169.1	0.468834
1169.19	0.469457
1169.3	0.469457
1169.4	0.469138
1169.5	0.469138
1169.59	0.46832
1169.7	0.46832
1169.79	0.466785
1169.9	0.465912
1169.99	0.464895
1170.1	0.464895
1170.19	0.464372
1170.3	0.464372

30m_1000nm

1170.39	0.464776
1170.5	0.464776
1170.59	0.465733
1170.7	0.465733
1170.8	0.465534
1170.91	0.465534
1170.99	0.465463
1171.11	0.465463
1171.19	0.463763
1171.31	0.463763
1171.39	0.463883
1171.51	0.463883
1171.59	0.464161
1171.71	0.464161
1171.8	0.463803
1171.91	0.463803
1171.99	0.463843
1172.11	0.463843
1172.19	0.465294
1172.31	0.465294
1172.4	0.467034
1172.51	0.468236
1172.59	0.469385
1172.71	0.469385
1172.79	0.47042
1172.92	0.470238
1172.99	0.469668
1173.12	0.469668
1173.19	0.468039
1173.32	0.46721
1173.39	0.467045
1173.52	0.467045
1173.59	0.467226
1173.72	0.46722
1173.8	0.467689
1173.92	0.467689
1173.99	0.466327
1174.12	0.466327
1174.19	0.467407
1174.32	0.467407
1174.4	0.467772
1174.52	0.467772
1174.59	0.466835
1174.72	0.466146
1174.79	0.464145
1174.93	0.464145
1174.99	0.46247
1175.13	0.46193
1175.19	0.461396

30m_1000nm

1175.33	0.461396
1175.4	0.460376
1175.53	0.460289
1175.59	0.459716
1175.73	0.460018
1175.8	0.460755
1175.93	0.461095
1175.99	0.461676
1176.13	0.461676
1176.2	0.461959
1176.33	0.462386
1176.4	0.462585
1176.53	0.462655
1176.6	0.462874
1176.73	0.462725
1176.8	0.462455
1176.94	0.462258
1177	0.461968
1177.14	0.462448
1177.2	0.46318
1177.34	0.464114
1177.4	0.466295
1177.54	0.466479
1177.6	0.466272
1177.74	0.4655
1177.8	0.464225
1177.94	0.463444
1178.01	0.464409
1178.14	0.464674
1178.2	0.464598
1178.34	0.464459
1178.41	0.464407
1178.55	0.464325
1178.61	0.464384
1178.75	0.46474
1178.81	0.464883
1178.95	0.465165
1179.01	0.465779
1179.15	0.46633
1179.21	0.466787
1179.35	0.466814
1179.41	0.466578
1179.55	0.466022
1179.61	0.465955
1179.75	0.465581
1179.81	0.465428
1179.95	0.464928
1180.01	0.464008
1180.15	0.464572

30m_1000nm

1180.21	0.46527
1180.35	0.46559
1180.42	0.465632
1180.56	0.465689
1180.61	0.465676
1180.76	0.465341
1180.82	0.465025
1180.96	0.46431
1181.02	0.46349
1181.16	0.463761
1181.22	0.463602
1181.36	0.462675
1181.42	0.462581
1181.56	0.462468
1181.62	0.462168
1181.76	0.462168
1181.82	0.462468
1181.96	0.462184
1182.02	0.461969
1182.16	0.461753
1182.23	0.461894
1182.36	0.462288
1182.42	0.463167
1182.56	0.463662
1182.63	0.464628
1182.77	0.464999
1182.83	0.465117
1182.97	0.464473
1183.03	0.463484
1183.17	0.462684
1183.23	0.461831
1183.37	0.461342
1183.43	0.461731
1183.57	0.461664
1183.63	0.461789
1183.77	0.461949
1183.83	0.463418
1183.97	0.464303
1184.03	0.465282
1184.17	0.46583
1184.23	0.465543
1184.37	0.465523
1184.43	0.465281
1184.57	0.465175
1184.64	0.464277
1184.78	0.463769
1184.84	0.463192
1184.98	0.4627
1185.04	0.462307

30m_1000nm

1185.18	0.462448
1185.19	0.462188
1185.38	0.462265
1185.39	0.462427
1185.58	0.462733
1185.59	0.462982
1185.78	0.462796
1185.8	0.462803
1185.98	0.462858
1185.99	0.462833
1186.18	0.46262
1186.19	0.462147
1186.38	0.461975
1186.4	0.46187
1186.58	0.462428
1186.59	0.462623
1186.79	0.462678
1186.8	0.463332
1186.99	0.463384
1187	0.463362
1187.19	0.463311
1187.2	0.463402
1187.39	0.463782
1187.4	0.463701
1187.59	0.463695
1187.6	0.46413
1187.79	0.464476
1187.8	0.464537
1187.99	0.464214
1188	0.464203
1188.19	0.462867
1188.2	0.46207
1188.29	0.461764
1188.4	0.461764
1188.49	0.461528
1188.59	0.461528
1188.69	0.461748
1188.8	0.461748
1188.9	0.461449
1189	0.461055
1189.09	0.461159
1189.2	0.461159
1189.29	0.461403
1189.4	0.461403
1189.49	0.463474
1189.6	0.463474
1189.69	0.466363
1189.8	0.466363
1189.9	0.468525

30m_1000nm

1190	0.468525
1190.09	0.466265
1190.2	0.466265
1190.3	0.462508
1190.41	0.462508
1190.49	0.461634
1190.6	0.461634
1190.69	0.46197
1190.81	0.46197
1190.89	0.462014
1191.01	0.462014
1191.09	0.460341
1191.21	0.460341
1191.29	0.459352
1191.41	0.459352
1191.49	0.458862
1191.61	0.458725
1191.69	0.458675
1191.81	0.458675
1191.89	0.459624
1192.01	0.460916
1192.09	0.463556
1192.21	0.463556
1192.29	0.463894
1192.41	0.463502
1192.49	0.461538
1192.61	0.461538
1192.69	0.458937
1192.82	0.458937
1192.89	0.458417
1193.02	0.458417
1193.09	0.458919
1193.22	0.458919
1193.29	0.458592
1193.42	0.458592
1193.49	0.457618
1193.62	0.457618
1193.69	0.459454
1193.82	0.459454
1193.9	0.462
1194.02	0.462
1194.09	0.463
1194.22	0.463251
1194.29	0.463237
1194.43	0.463237
1194.49	0.46213
1194.63	0.461786
1194.69	0.461752
1194.83	0.461752

30m_1000nm

1194.9	0.462638
1195.03	0.462708
1195.09	0.463053
1195.23	0.463053
1195.3	0.462976
1195.43	0.462778
1195.49	0.461606
1195.63	0.461606
1195.69	0.459989
1195.83	0.459687
1195.9	0.460718
1196.03	0.460718
1196.1	0.460722
1196.23	0.461336
1196.3	0.462417
1196.43	0.462417
1196.49	0.462202
1196.64	0.461954
1196.7	0.461954
1196.84	0.461562
1196.9	0.461279
1197.04	0.460835
1197.1	0.459306
1197.24	0.458566
1197.3	0.458538
1197.44	0.458609
1197.5	0.459634
1197.64	0.460058
1197.7	0.460463
1197.84	0.46101
1197.91	0.462729
1198.04	0.463696
1198.1	0.464232
1198.24	0.464212
1198.3	0.464061
1198.44	0.463934
1198.51	0.463938
1198.65	0.464194
1198.7	0.465457
1198.85	0.466548
1198.91	0.467004
1199.05	0.467321
1199.11	0.466366
1199.25	0.465766
1199.31	0.465315
1199.45	0.464726
1199.51	0.46357
1199.65	0.463672
1199.71	0.463432

30m_1000nm

1199.85	0.4637
1199.91	0.463222
1200.05	0.463015
1200.11	0.463129
1200.25	0.463004
1200.32	0.462766
1200.45	0.462189
1200.51	0.461364
1200.66	0.460989
1200.71	0.460289
1200.86	0.459593
1200.92	0.459282
1201.06	0.459467
1201.12	0.459572
1201.26	0.460011
1201.32	0.461578
1201.46	0.462302
1201.52	0.46282
1201.66	0.462607
1201.72	0.461076
1201.86	0.460165
1201.92	0.459611
1202.06	0.459101
1202.13	0.459856
1202.26	0.460309
1202.32	0.460575
1202.46	0.461166
1202.52	0.46168
1202.67	0.461642
1202.73	0.461385
1202.87	0.46161
1202.93	0.462045
1203.07	0.461851
1203.13	0.461948
1203.27	0.462786
1203.33	0.464373
1203.47	0.464492
1203.53	0.464507
1203.67	0.464102
1203.73	0.463691
1203.87	0.462097
1203.93	0.461426
1204.07	0.460749
1204.13	0.460236
1204.27	0.459728
1204.33	0.458647
1204.47	0.458255
1204.54	0.457896
1204.68	0.457953

30m_1000nm

1204.73	0.458919
1204.88	0.459691
1204.94	0.460664
1205.08	0.461306
1205.14	0.462517
1205.28	0.462974
1205.3	0.46359
1205.48	0.463754
1205.49	0.461611
1205.68	0.46082
1205.69	0.460498
1205.88	0.459677
1205.9	0.45959
1206.08	0.460587
1206.09	0.461999
1206.28	0.463238
1206.3	0.465368
1206.48	0.466285
1206.49	0.46712
1206.69	0.46774
1206.69	0.468037
1206.89	0.467969
1206.9	0.467674
1207.09	0.467292
1207.1	0.466923
1207.29	0.465881
1207.3	0.465026
1207.49	0.464198
1207.5	0.463417
1207.69	0.461777
1207.7	0.461125
1207.89	0.461167
1207.9	0.461303
1208.09	0.461367
1208.1	0.460942
1208.29	0.460562
1208.3	0.460274
1208.49	0.459912
1208.51	0.459625
1208.59	0.459321
1208.7	0.459321
1208.79	0.459664
1208.9	0.459664
1208.99	0.460389
1209.1	0.460389
1209.19	0.460521
1209.3	0.460521
1209.4	0.459715
1209.5	0.459715

30m_1000nm

1209.59	0.458603
1209.7	0.458603
1209.8	0.457639
1209.9	0.457639
1209.99	0.457483
1210.1	0.457483
1210.19	0.460048
1210.3	0.460048
1210.39	0.461753
1210.51	0.461753
1210.59	0.462217
1210.7	0.462269
1210.8	0.461706
1210.91	0.461706
1210.99	0.460719
1211.11	0.460539
1211.19	0.460197
1211.31	0.460197
1211.4	0.459729
1211.51	0.45915
1211.59	0.457346
1211.71	0.457346
1211.8	0.455177
1211.91	0.455177
1211.99	0.455389
1212.11	0.455389
1212.19	0.456533
1212.31	0.456533
1212.39	0.460533
1212.51	0.460533
1212.59	0.462309
1212.71	0.462309
1212.79	0.462745
1212.92	0.462745
1212.99	0.462334
1213.12	0.462334
1213.19	0.460949
1213.32	0.461062
1213.4	0.462517
1213.52	0.462517
1213.59	0.463667
1213.72	0.463733
1213.8	0.464009
1213.92	0.464009
1213.99	0.464071
1214.12	0.464216
1214.19	0.464346
1214.32	0.464346
1214.4	0.463392

30m_1000nm

1214.52	0.46255
1214.59	0.46114
1214.72	0.46114
1214.79	0.459717
1214.93	0.459504
1214.99	0.459849
1215.13	0.459849
1215.19	0.460991
1215.33	0.461633
1215.4	0.463217
1215.53	0.463217
1215.59	0.463567
1215.73	0.463567
1215.8	0.462724
1215.93	0.461982
1215.99	0.461536
1216.13	0.461036
1216.19	0.459705
1216.33	0.45914
1216.39	0.458473
1216.53	0.458473
1216.6	0.458656
1216.73	0.459217
1216.8	0.459905
1216.94	0.459944
1217	0.459566
1217.14	0.45982
1217.2	0.45945
1217.34	0.458971
1217.4	0.458479
1217.54	0.45857
1217.6	0.458555
1217.74	0.459016
1217.8	0.45831
1217.94	0.458108
1218	0.458536
1218.14	0.458512
1218.2	0.459148
1218.34	0.460649
1218.41	0.462444
1218.54	0.464415
1218.6	0.468169
1218.74	0.469688
1218.81	0.470418
1218.95	0.470686
1219.01	0.470445
1219.15	0.470081
1219.21	0.470081
1219.35	0.469647

30m_1000nm

1219.41	0.469568
1219.55	0.469889
1219.61	0.470305
1219.75	0.47051
1219.81	0.470438
1219.95	0.470372
1220.01	0.471054
1220.15	0.471207
1220.21	0.470948
1220.35	0.471213
1220.41	0.47129
1220.55	0.47199
1220.61	0.472618
1220.76	0.473191
1220.82	0.473464
1220.96	0.473483
1221.02	0.473144
1221.16	0.47233
1221.22	0.471693
1221.36	0.471525
1221.42	0.471409
1221.56	0.471349
1221.62	0.472281
1221.76	0.472888
1221.82	0.472946
1221.96	0.473124
1222.02	0.472358
1222.16	0.471925
1222.22	0.471675
1222.36	0.471417
1222.42	0.469925
1222.56	0.469676
1222.63	0.469337
1222.77	0.468593
1222.82	0.467849
1222.97	0.468348
1223.03	0.468348
1223.17	0.468839
1223.23	0.468889
1223.37	0.468729
1223.43	0.469007
1223.57	0.468912
1223.63	0.468993
1223.77	0.4691
1223.83	0.469608
1223.97	0.469623
1224.03	0.469634
1224.17	0.469633
1224.23	0.468749

30m_1000nm

1224.37	0.468501
1224.44	0.468323
1224.57	0.468414
1224.63	0.467468
1224.78	0.467058
1224.83	0.466589
1224.98	0.466366
1225.04	0.465912
1225.18	0.465636
1225.19	0.46511
1225.38	0.465129
1225.39	0.465212
1225.58	0.465742
1225.59	0.467095
1225.78	0.468109
1225.8	0.470158
1225.98	0.471028
1225.99	0.471606
1226.18	0.471613
1226.19	0.471214
1226.38	0.469965
1226.39	0.468447
1226.58	0.467626
1226.59	0.466839
1226.79	0.465532
1226.8	0.465532
1226.99	0.465609
1226.99	0.465594
1227.19	0.466104
1227.2	0.468007
1227.39	0.468753
1227.4	0.469762
1227.59	0.471414
1227.6	0.473234
1227.79	0.473639
1227.8	0.473961
1227.99	0.473665
1228	0.472826
1228.19	0.472353
1228.2	0.472019
1228.39	0.471486
1228.4	0.470044
1228.49	0.469604
1228.59	0.469604
1228.69	0.46923
1228.8	0.46923
1228.9	0.469031
1229	0.469031
1229.09	0.470598

30m_1000nm

1229.2	0.470598
1229.29	0.470362
1229.4	0.470362
1229.49	0.469631
1229.6	0.469631
1229.69	0.468311
1229.8	0.468311
1229.89	0.466849
1230	0.466849
1230.09	0.465278
1230.2	0.464166
1230.29	0.462981
1230.4	0.462981
1230.49	0.462578
1230.6	0.462578
1230.69	0.462835
1230.81	0.462835
1230.9	0.464824
1231.01	0.464824
1231.09	0.46814
1231.21	0.46814
1231.3	0.469332
1231.41	0.469332
1231.49	0.471263
1231.61	0.471263
1231.69	0.471024
1231.81	0.471024
1231.9	0.471103
1232.01	0.471103
1232.09	0.470833
1232.21	0.470833
1232.3	0.470725
1232.41	0.470725
1232.49	0.47077
1232.61	0.47077
1232.69	0.470697
1232.81	0.470887
1232.89	0.470072
1233.02	0.470072
1233.09	0.470105
1233.22	0.470129
1233.3	0.470292
1233.42	0.470292
1233.49	0.471386
1233.62	0.471665
1233.69	0.472879
1233.82	0.472879
1233.9	0.473661
1234.02	0.473683

30m_1000nm

1234.09	0.473817
1234.22	0.473817
1234.3	0.473032
1234.42	0.473032
1234.49	0.471558
1234.63	0.471558
1234.69	0.471141
1234.82	0.471141
1234.9	0.47153
1235.03	0.47153
1235.09	0.47133
1235.23	0.47133
1235.29	0.470552
1235.43	0.470131
1235.49	0.470299
1235.63	0.470299
1235.69	0.47003
1235.83	0.469874
1235.9	0.470709
1236.03	0.470709
1236.09	0.469025
1236.23	0.468653
1236.29	0.469633
1236.43	0.469633
1236.49	0.470764
1236.63	0.470531
1236.69	0.470689
1236.83	0.470254
1236.9	0.468778
1237.04	0.468012
1237.1	0.467194
1237.24	0.466623
1237.3	0.467605
1237.44	0.468377
1237.5	0.46846
1237.64	0.4687
1237.7	0.469043
1237.84	0.468763
1237.9	0.468441
1238.04	0.46847
1238.1	0.468276
1238.24	0.467833
1238.31	0.467162
1238.44	0.466816
1238.5	0.467386
1238.65	0.467966
1238.7	0.469568
1238.84	0.470451
1238.91	0.471641

30m_1000nm

1239.05	0.472934
1239.1	0.475122
1239.25	0.475411
1239.31	0.474962
1239.45	0.474503
1239.51	0.473141
1239.65	0.472251
1239.71	0.47116
1239.85	0.470148
1239.91	0.467447
1240.05	0.466257
1240.11	0.465724
1240.25	0.465112
1240.31	0.465319
1240.45	0.46541
1240.51	0.465577
1240.66	0.466118
1240.72	0.468555
1240.85	0.47003
1240.92	0.471042
1241.06	0.471485
1241.12	0.471792
1241.26	0.471431
1241.32	0.47087
1241.46	0.470414
1241.52	0.469809
1241.66	0.468895
1241.72	0.468751
1241.86	0.468732
1241.92	0.468775
1242.06	0.468693
1242.12	0.468111
1242.26	0.468177
1242.32	0.468316
1242.46	0.468897
1242.53	0.470211
1242.66	0.470188
1242.72	0.470705
1242.86	0.471229
1242.93	0.470988
1243.07	0.471071
1243.13	0.471126
1243.27	0.471555
1243.33	0.472908
1243.47	0.473782
1243.53	0.473933
1243.67	0.474213
1243.73	0.474336
1243.87	0.4741

30m_1000nm

1243.93	0.474105
1244.07	0.474224
1244.13	0.474585
1244.27	0.474784
1244.33	0.474535
1244.47	0.474228
1244.53	0.472396
1244.67	0.471325
1244.73	0.470279
1244.88	0.469428
1244.94	0.467953
1245.08	0.467883
1245.14	0.467364
1245.28	0.467109
1245.29	0.467605
1245.48	0.468024
1245.49	0.468018
1245.68	0.468186
1245.69	0.468093
1245.88	0.468343
1245.89	0.46847
1246.08	0.469086
1246.09	0.469397
1246.28	0.469378
1246.29	0.468688
1246.48	0.468376
1246.49	0.468057
1246.68	0.468041
1246.69	0.468502
1246.89	0.468957
1246.9	0.469883
1247.09	0.470824
1247.1	0.472887
1247.29	0.473607
1247.3	0.474163
1247.49	0.474767
1247.5	0.475134
1247.69	0.475193
1247.7	0.474181
1247.89	0.472518
1247.9	0.470413
1248.09	0.466802
1248.1	0.466008
1248.29	0.465551
1248.3	0.465538
1248.49	0.465968
1248.5	0.466646
1248.59	0.467524
1248.69	0.467524

30m_1000nm

1248.79	0.469782
1248.9	0.469782
1248.99	0.470904
1249.1	0.470904
1249.19	0.471551
1249.3	0.469567
1249.4	0.468057
1249.5	0.468057
1249.59	0.465307
1249.7	0.465307
1249.79	0.464022
1249.9	0.464022
1249.99	0.463296
1250.1	0.463296
1250.19	0.465347
1250.3	0.465347
1250.39	0.466914
1250.5	0.466914
1250.59	0.468112
1250.7	0.468112
1250.79	0.468387
1250.91	0.468387
1250.99	0.468316
1251.11	0.468316
1251.19	0.469423
1251.31	0.469423
1251.4	0.470321
1251.51	0.470321
1251.59	0.468206
1251.71	0.468206
1251.8	0.466303
1251.91	0.465992
1251.99	0.465264
1252.11	0.465264
1252.19	0.464836
1252.31	0.464045
1252.4	0.463102
1252.51	0.463102
1252.59	0.463503
1252.71	0.464041
1252.79	0.465033
1252.92	0.465033
1252.99	0.465409
1253.12	0.465904
1253.19	0.465761
1253.32	0.465761
1253.39	0.465705
1253.52	0.465705
1253.59	0.464166

30m_1000nm

1253.72	0.464166
1253.8	0.463371
1253.92	0.463371
1253.99	0.46472
1254.12	0.46472
1254.19	0.466397
1254.32	0.466397
1254.39	0.468552
1254.52	0.46969
1254.59	0.47136
1254.72	0.47136
1254.8	0.472234
1254.93	0.472602
1254.99	0.472005
1255.13	0.472005
1255.19	0.470552
1255.33	0.469051
1255.39	0.466664
1255.53	0.466664
1255.59	0.465423
1255.73	0.465357
1255.79	0.464662
1255.93	0.464662
1255.99	0.465054
1256.13	0.465372
1256.19	0.466064
1256.33	0.466064
1256.4	0.467094
1256.53	0.466946
1256.59	0.466401
1256.73	0.466401
1256.79	0.465898
1256.94	0.465702
1257	0.465702
1257.14	0.465826
1257.2	0.466675
1257.34	0.467495
1257.4	0.46853
1257.54	0.468969
1257.6	0.469494
1257.74	0.470192
1257.8	0.470742
1257.94	0.470858
1258	0.469908
1258.14	0.468728
1258.2	0.466773
1258.34	0.466048
1258.4	0.465875
1258.54	0.465962

30m_1000nm

1258.6	0.465812
1258.74	0.465726
1258.81	0.465727
1258.94	0.465956
1259.01	0.466527
1259.15	0.466328
1259.21	0.466119
1259.35	0.465862
1259.41	0.464683
1259.55	0.463773
1259.61	0.463143
1259.75	0.462468
1259.81	0.462097
1259.95	0.462681
1260.01	0.463516
1260.15	0.464896
1260.21	0.46864
1260.35	0.469988
1260.41	0.470944
1260.55	0.471559
1260.61	0.471962
1260.75	0.472108
1260.81	0.470292
1260.95	0.469765
1261.02	0.469403
1261.16	0.469156
1261.22	0.468574
1261.36	0.468109
1261.42	0.468563
1261.56	0.469327
1261.62	0.469986
1261.76	0.470705
1261.82	0.471142
1261.96	0.470829
1262.02	0.469131
1262.16	0.468908
1262.22	0.468901
1262.36	0.469553
1262.43	0.470524
1262.56	0.470441
1262.62	0.470097
1262.76	0.469656
1262.82	0.469611
1262.96	0.470031
1263.03	0.470344
1263.17	0.470197
1263.23	0.47044
1263.37	0.470675
1263.43	0.470453

30m_1000nm

1263.57	0.469902
1263.63	0.468849
1263.77	0.468593
1263.83	0.468375
1263.97	0.467849
1264.03	0.467821
1264.17	0.467728
1264.23	0.467713
1264.37	0.467323
1264.43	0.466318
1264.57	0.465354
1264.63	0.463216
1264.78	0.462423
1264.84	0.461932
1264.97	0.461883
1265.04	0.461969
1265.18	0.462249
1265.24	0.462733
1265.38	0.463476
1265.39	0.4644
1265.58	0.464876
1265.59	0.465226
1265.78	0.465403
1265.8	0.464513
1265.98	0.464341
1265.99	0.464132
1266.18	0.463866
1266.19	0.464126
1266.38	0.464961
1266.4	0.466306
1266.58	0.467343
1266.59	0.468437
1266.78	0.469712
1266.79	0.470172
1266.98	0.470396
1266.99	0.470478
1267.19	0.470658
1267.2	0.471101
1267.39	0.47145
1267.4	0.471665
1267.59	0.471635
1267.6	0.471229
1267.79	0.47033
1267.8	0.469319
1267.99	0.467194
1268	0.465753
1268.19	0.465062
1268.2	0.46477
1268.39	0.464514

30m_1000nm

1268.4	0.4654
1268.59	0.465933
1268.6	0.465993
1268.79	0.466436
1268.81	0.467272
1268.89	0.467401
1268.99	0.467401
1269.09	0.466666
1269.2	0.466666
1269.3	0.464842
1269.4	0.464842
1269.49	0.46362
1269.6	0.46362
1269.69	0.461665
1269.8	0.461665
1269.9	0.461858
1270	0.461858
1270.09	0.463858
1270.2	0.463858
1270.3	0.465623
1270.4	0.465623
1270.49	0.467279
1270.6	0.467279
1270.69	0.468405
1270.8	0.468405
1270.9	0.468845
1271.01	0.469028
1271.09	0.467488
1271.21	0.467488
1271.3	0.465668
1271.41	0.465058
1271.49	0.464766
1271.61	0.464766
1271.69	0.465847
1271.81	0.466217
1271.9	0.467635
1272.01	0.467635
1272.09	0.468647
1272.21	0.468647
1272.3	0.469209
1272.41	0.469209
1272.49	0.46805
1272.61	0.46805
1272.69	0.464716
1272.81	0.464716
1272.9	0.462821
1273.02	0.462821
1273.09	0.462106
1273.22	0.462106

30m_1000nm

1273.3	0.463335
1273.42	0.463335
1273.49	0.464496
1273.62	0.464431
1273.69	0.464226
1273.82	0.464226
1273.89	0.464146
1274.02	0.464194
1274.09	0.465256
1274.22	0.465256
1274.3	0.466298
1274.42	0.467289
1274.49	0.468533
1274.62	0.468533
1274.69	0.468835
1274.82	0.468824
1274.89	0.468756
1275.03	0.468756
1275.09	0.468231
1275.23	0.467582
1275.3	0.467287
1275.43	0.467287
1275.49	0.465822
1275.63	0.464764
1275.69	0.462634
1275.83	0.462634
1275.89	0.461419
1276.03	0.461419
1276.09	0.461379
1276.23	0.461708
1276.29	0.462398
1276.43	0.463141
1276.49	0.464971
1276.63	0.46561
1276.69	0.46662
1276.83	0.46662
1276.9	0.467426
1277.04	0.467972
1277.09	0.467944
1277.24	0.467711
1277.3	0.467688
1277.44	0.467124
1277.5	0.46695
1277.64	0.466587
1277.7	0.465428
1277.84	0.464641
1277.9	0.46419
1278.04	0.463597
1278.1	0.46297

30m_1000nm

1278.24	0.462726
1278.3	0.46221
1278.44	0.46209
1278.5	0.462289
1278.64	0.46228
1278.71	0.462152
1278.84	0.462118
1278.9	0.461498
1279.05	0.460707
1279.1	0.460346
1279.25	0.459859
1279.31	0.459791
1279.45	0.460978
1279.51	0.460978
1279.65	0.46139
1279.71	0.462303
1279.85	0.462965
1279.91	0.463417
1280.05	0.463403
1280.11	0.463736
1280.25	0.463958
1280.31	0.464795
1280.45	0.465192
1280.52	0.465188
1280.65	0.465322
1280.71	0.465394
1280.85	0.464752
1280.91	0.464199
1281.06	0.464
1281.12	0.463989
1281.26	0.465392
1281.32	0.467184
1281.46	0.469774
1281.52	0.473987
1281.66	0.475195
1281.72	0.475953
1281.86	0.475841
1281.92	0.47521
1282.06	0.474562
1282.12	0.473779
1282.26	0.473705
1282.32	0.472441
1282.46	0.47168
1282.52	0.471627
1282.66	0.471568
1282.72	0.473123
1282.86	0.474083
1282.93	0.474767
1283.06	0.474733

30m_1000nm

1283.13	0.474913
1283.27	0.473364
1283.33	0.473364
1283.47	0.47338
1283.53	0.473637
1283.67	0.473523
1283.73	0.474002
1283.87	0.47452
1283.93	0.474891
1284.07	0.475037
1284.13	0.475345
1284.27	0.475696
1284.33	0.475883
1284.47	0.476495
1284.53	0.477129
1284.67	0.477762
1284.74	0.478124
1284.87	0.478333
1284.93	0.479498
1285.07	0.479427
1285.14	0.479157
1285.28	0.478394
1285.34	0.477204
1285.48	0.47598
1285.54	0.474929
1285.68	0.474522
1285.69	0.475057
1285.88	0.475752
1285.9	0.476988
1286.08	0.477706
1286.09	0.479246
1286.28	0.479347
1286.29	0.479234
1286.48	0.479032
1286.49	0.478516
1286.68	0.47833
1286.69	0.477989
1286.88	0.477553
1286.9	0.477113
1287.08	0.476555
1287.1	0.475686
1287.29	0.475083
1287.3	0.474145
1287.49	0.4733
1287.5	0.472581
1287.69	0.471918
1287.7	0.471619
1287.89	0.471655
1287.9	0.471922

30m_1000nm

1288.09	0.472466
1288.1	0.473107
1288.29	0.473877
1288.3	0.474971
1288.49	0.475605
1288.5	0.475813
1288.69	0.475502
1288.7	0.476
1288.89	0.475807
1288.9	0.475674
1288.99	0.475863
1289.1	0.475863
1289.19	0.474143
1289.3	0.474143
1289.4	0.472971
1289.5	0.472971
1289.59	0.471331
1289.7	0.471331
1289.8	0.471337
1289.9	0.471337
1289.99	0.475383
1290.1	0.475383
1290.19	0.477895
1290.3	0.477895
1290.4	0.479165
1290.5	0.479781
1290.59	0.480237
1290.7	0.480237
1290.79	0.480777
1290.91	0.480777
1290.99	0.479253
1291.1	0.479253
1291.19	0.477634
1291.31	0.477634
1291.39	0.475307
1291.51	0.475307
1291.59	0.474229
1291.71	0.474229
1291.79	0.473352
1291.91	0.473352
1291.99	0.473114
1292.11	0.473114
1292.19	0.474191
1292.31	0.474191
1292.4	0.475172
1292.51	0.475172
1292.6	0.477017
1292.71	0.477017
1292.8	0.478438

30m_1000nm

1292.91	0.478438
1292.99	0.478982
1293.11	0.478872
1293.19	0.479603
1293.32	0.479603
1293.39	0.481164
1293.52	0.481147
1293.59	0.481732
1293.72	0.481732
1293.8	0.48171
1293.92	0.480749
1293.99	0.47723
1294.12	0.47723
1294.19	0.473057
1294.32	0.47174
1294.39	0.470521
1294.52	0.470521
1294.59	0.47197
1294.72	0.47197
1294.8	0.473696
1294.93	0.473696
1294.99	0.473215
1295.13	0.473215
1295.19	0.471864
1295.33	0.471864
1295.39	0.470697
1295.53	0.470697
1295.59	0.469843
1295.73	0.470199
1295.8	0.47159
1295.93	0.47159
1295.99	0.472796
1296.13	0.472707
1296.19	0.471625
1296.33	0.471625
1296.4	0.471989
1296.53	0.471933
1296.59	0.473427
1296.73	0.473427
1296.8	0.474998
1296.94	0.475956
1296.99	0.476481
1297.14	0.476294
1297.19	0.476077
1297.34	0.476036
1297.4	0.475352
1297.54	0.475041
1297.6	0.475334
1297.74	0.475695

30m_1000nm

1297.8	0.476369
1297.94	0.476346
1298	0.476985
1298.14	0.477495
1298.2	0.477782
1298.34	0.477829
1298.4	0.477877
1298.54	0.477528
1298.6	0.47663
1298.74	0.476389
1298.8	0.476561
1298.94	0.476592
1299	0.477888
1299.15	0.478161
1299.21	0.478067
1299.35	0.47803
1299.41	0.47732
1299.55	0.476185
1299.61	0.475072
1299.75	0.474739
1299.81	0.474032
1299.95	0.473835
1300.01	0.473763
1300.15	0.47398
1300.21	0.475202
1300.35	0.476251
1300.41	0.477238
1300.55	0.478535
1300.61	0.479687
1300.75	0.479557
1300.81	0.479133
1300.95	0.478411
1301.02	0.477555
1301.16	0.477115
1301.22	0.476568
1301.36	0.47563
1301.42	0.47346
1301.56	0.473019
1301.62	0.473068
1301.76	0.473177
1301.82	0.47367
1301.96	0.474618
1302.02	0.474801
1302.16	0.47536
1302.22	0.476085
1302.36	0.4764
1302.42	0.477931
1302.56	0.478861
1302.62	0.479376

30m_1000nm

1302.76	0.479642
1302.82	0.48052
1302.96	0.480807
1303.02	0.481146
1303.17	0.481529
1303.22	0.480866
1303.37	0.480268
1303.43	0.479323
1303.57	0.478186
1303.63	0.475928
1303.77	0.475531
1303.83	0.475171
1303.97	0.474772
1304.03	0.473922
1304.17	0.473352
1304.23	0.472779
1304.37	0.472271
1304.43	0.47231
1304.57	0.47217
1304.64	0.472381
1304.77	0.473141
1304.83	0.474387
1304.97	0.474159
1305.03	0.473571
1305.18	0.472862
1305.24	0.472281
1305.38	0.472144
1305.44	0.472164
1305.58	0.471825
1305.64	0.471761
1305.78	0.472132
1305.8	0.472401
1305.98	0.471999
1305.99	0.471802
1306.18	0.47176
1306.19	0.472606
1306.38	0.473411
1306.4	0.473926
1306.58	0.475045
1306.59	0.477481
1306.78	0.478864
1306.8	0.479716
1306.98	0.480231
1306.99	0.479575
1307.19	0.478831
1307.19	0.477454
1307.39	0.475504
1307.4	0.472315
1307.59	0.471038

30m_1000nm

1307.6	0.470409
1307.79	0.470481
1307.8	0.470842
1307.99	0.471808
1308	0.471649
1308.19	0.471525
1308.2	0.470786
1308.39	0.469607
1308.4	0.469713
1308.59	0.470737
1308.6	0.471484
1308.79	0.472408
1308.8	0.472244
1308.89	0.472514
1308.99	0.472514
1309.09	0.472249
1309.19	0.472249
1309.3	0.470642
1309.4	0.470642
1309.49	0.470861
1309.6	0.472262
1309.69	0.472711
1309.8	0.472711
1309.9	0.472476
1310	0.472476
1310.09	0.471213
1310.2	0.471213
1310.29	0.47069
1310.4	0.47069
1310.49	0.471311
1310.6	0.471311
1310.69	0.473316
1310.8	0.473316
1310.9	0.476606
1311	0.476606
1311.09	0.476214
1311.2	0.476214
1311.3	0.472412
1311.41	0.472412
1311.49	0.468928
1311.61	0.468928
1311.69	0.467668
1311.81	0.467668
1311.9	0.468929
1312.01	0.468929
1312.09	0.471038
1312.21	0.471704
1312.29	0.472265
1312.41	0.472265

30m_1000nm

1312.49	0.471561
1312.61	0.471672
1312.69	0.471116
1312.81	0.471116
1312.9	0.470697
1313.01	0.471549
1313.09	0.473805
1313.21	0.473805
1313.29	0.475877
1313.42	0.47617
1313.49	0.47599
1313.62	0.47599
1313.69	0.475582
1313.82	0.475582
1313.9	0.474771
1314.02	0.474771
1314.09	0.475042
1314.22	0.475042
1314.3	0.47483
1314.42	0.47483
1314.49	0.47461
1314.62	0.47461
1314.69	0.473081
1314.82	0.472209
1314.9	0.47098
1315.02	0.47098
1315.09	0.470617
1315.22	0.47013
1315.29	0.469717
1315.43	0.469717
1315.49	0.469499
1315.63	0.469855
1315.69	0.470715
1315.83	0.470715
1315.9	0.47154
1316.03	0.471864
1316.09	0.472052
1316.23	0.471524
1316.3	0.468235
1316.43	0.466279
1316.49	0.463429
1316.63	0.463429
1316.7	0.462368
1316.83	0.463248
1316.9	0.464375
1317.03	0.466331
1317.09	0.468689
1317.23	0.470375
1317.3	0.472955

30m_1000nm

1317.44	0.473438
1317.5	0.473718
1317.64	0.473813
1317.7	0.473236
1317.84	0.472942
1317.9	0.472945
1318.04	0.473212
1318.1	0.473931
1318.24	0.474895
1318.3	0.47557
1318.44	0.475645
1318.51	0.475099
1318.64	0.474459
1318.7	0.473364
1318.84	0.472266
1318.9	0.470481
1319.04	0.469786
1319.11	0.469784
1319.24	0.470174
1319.31	0.471091
1319.45	0.471918
1319.51	0.472626
1319.65	0.473471
1319.71	0.473884
1319.85	0.473346
1319.91	0.472546
1320.05	0.471529
1320.11	0.470164
1320.25	0.46964
1320.31	0.46896
1320.45	0.468312
1320.51	0.468509
1320.65	0.469655
1320.71	0.470864
1320.85	0.472239
1320.92	0.473685
1321.05	0.474657
1321.12	0.475707
1321.26	0.476019
1321.32	0.475599
1321.46	0.475209
1321.52	0.473621
1321.66	0.472494
1321.72	0.471285
1321.86	0.470122
1321.92	0.468503
1322.06	0.467958
1322.12	0.467804
1322.26	0.468088

30m_1000nm

1322.32	0.469047
1322.46	0.470557
1322.52	0.472577
1322.66	0.474488
1322.73	0.47652
1322.86	0.47647
1322.93	0.475843
1323.06	0.474442
1323.13	0.472311
1323.27	0.471855
1323.33	0.47189
1323.47	0.472195
1323.53	0.473592
1323.67	0.473537
1323.73	0.473328
1323.87	0.473592
1323.93	0.473484
1324.07	0.473285
1324.13	0.472729
1324.27	0.472019
1324.33	0.471283
1324.47	0.471192
1324.54	0.471652
1324.67	0.472688
1324.73	0.473157
1324.87	0.473769
1324.94	0.47382
1325.07	0.472993
1325.14	0.472209
1325.28	0.471444
1325.29	0.469622
1325.48	0.468971
1325.49	0.468298
1325.68	0.467862
1325.69	0.467793
1325.88	0.468096
1325.89	0.468602
1326.08	0.468592
1326.09	0.468735
1326.28	0.468645
1326.29	0.468733
1326.48	0.468714
1326.49	0.469415
1326.68	0.469837
1326.69	0.470127
1326.88	0.469964
1326.89	0.469757
1327.08	0.469495
1327.09	0.469878

30m_1000nm

1327.29	0.470239
1327.3	0.47074
1327.49	0.471453
1327.49	0.471819
1327.69	0.471974
1327.7	0.472408
1327.89	0.472011
1327.9	0.47123
1328.09	0.47048
1328.1	0.470021
1328.29	0.470759
1328.3	0.471426
1328.49	0.472426
1328.5	0.473364
1328.69	0.474452
1328.7	0.47658
1328.89	0.477542
1328.9	0.478216
1329.09	0.478519
1329.1	0.478245
1329.19	0.477648
1329.3	0.477648
1329.4	0.476202
1329.5	0.476202
1329.59	0.476068
1329.7	0.476068
1329.79	0.477595
1329.9	0.477595
1329.99	0.479065
1330.1	0.479065
1330.19	0.478675
1330.3	0.478675
1330.4	0.476791
1330.5	0.476791
1330.59	0.47613
1330.7	0.47613
1330.8	0.474626
1330.9	0.474626
1330.99	0.473189
1331.1	0.473189
1331.19	0.471822
1331.31	0.471022
1331.4	0.469728
1331.51	0.469728
1331.59	0.468887
1331.71	0.469054
1331.8	0.469795
1331.91	0.469795
1331.99	0.469518

30m_1000nm

1332.11	0.469847
1332.19	0.471297
1332.31	0.471297
1332.39	0.472711
1332.51	0.472711
1332.59	0.473238
1332.71	0.473238
1332.8	0.473609
1332.91	0.473609
1332.99	0.473846
1333.11	0.473846
1333.19	0.472985
1333.32	0.472985
1333.39	0.471984
1333.52	0.471984
1333.59	0.470672
1333.72	0.470672
1333.8	0.469141
1333.92	0.469008
1333.99	0.469139
1334.12	0.469139
1334.19	0.469999
1334.32	0.470872
1334.4	0.472045
1334.52	0.472045
1334.59	0.473621
1334.72	0.474653
1334.79	0.475994
1334.92	0.475994
1334.99	0.475411
1335.13	0.474732
1335.19	0.474117
1335.33	0.474117
1335.4	0.473679
1335.53	0.473548
1335.59	0.472651
1335.73	0.472651
1335.79	0.471571
1335.93	0.471264
1335.99	0.471711
1336.13	0.471711
1336.19	0.472112
1336.33	0.472112
1336.4	0.472664
1336.53	0.472508
1336.6	0.472184
1336.73	0.472255
1336.8	0.472728
1336.93	0.472521

30m_1000nm

1337	0.472787
1337.14	0.472741
1337.2	0.472984
1337.34	0.47282
1337.4	0.472488
1337.54	0.472399
1337.6	0.472453
1337.74	0.472211
1337.8	0.472282
1337.94	0.472697
1338	0.473729
1338.14	0.474947
1338.2	0.475347
1338.34	0.475046
1338.41	0.474122
1338.54	0.472692
1338.6	0.47166
1338.74	0.471148
1338.81	0.470332
1338.94	0.470218
1339.01	0.470355
1339.15	0.470277
1339.21	0.469654
1339.35	0.469245
1339.41	0.46921
1339.55	0.469499
1339.61	0.470226
1339.75	0.470534
1339.81	0.470726
1339.95	0.470831
1340.01	0.470582
1340.15	0.470512
1340.21	0.469617
1340.35	0.469376
1340.41	0.469432
1340.55	0.469718
1340.61	0.470711
1340.75	0.47081
1340.82	0.470908
1340.95	0.471098
1341.02	0.470373
1341.16	0.469215
1341.22	0.468435
1341.36	0.468237
1341.42	0.468322
1341.56	0.468238
1341.62	0.468674
1341.76	0.469242
1341.82	0.469743

30m_1000nm

1341.96	0.469892
1342.02	0.469355
1342.16	0.468736
1342.22	0.468202
1342.36	0.467896
1342.42	0.467875
1342.56	0.467968
1342.63	0.467826
1342.76	0.468075
1342.82	0.468304
1342.96	0.468909
1343.03	0.469319
1343.17	0.469925
1343.23	0.47066
1343.37	0.470933
1343.43	0.472105
1343.57	0.472956
1343.63	0.474109
1343.77	0.475036
1343.83	0.475393
1343.97	0.475919
1344.03	0.475541
1344.17	0.475649
1344.23	0.475236
1344.37	0.474764
1344.44	0.475069
1344.57	0.475044
1344.63	0.475029
1344.77	0.475558
1344.83	0.474795
1344.98	0.474208
1345.04	0.473547
1345.18	0.472832
1345.24	0.471997
1345.38	0.471211
1345.39	0.470109
1345.58	0.46858
1345.59	0.465233
1345.78	0.463946
1345.8	0.462768
1345.98	0.462215
1345.99	0.462655
1346.18	0.463632
1346.19	0.464833
1346.38	0.466213
1346.39	0.468565
1346.58	0.469621
1346.59	0.470502
1346.78	0.471064

30m_1000nm

1346.8	0.471681
1346.98	0.471217
1346.99	0.470767
1347.19	0.470402
1347.2	0.469985
1347.39	0.46964
1347.4	0.469508
1347.59	0.469401
1347.6	0.469339
1347.79	0.469312
1347.8	0.469994
1347.99	0.470539
1348	0.470577
1348.19	0.47076
1348.2	0.470896
1348.39	0.471315
1348.4	0.471723
1348.59	0.472064
1348.6	0.472164
1348.69	0.471899
1348.8	0.471899
1348.89	0.472265
1349	0.472265
1349.09	0.471537
1349.2	0.471537
1349.29	0.469824
1349.4	0.469824
1349.49	0.465812
1349.6	0.465812
1349.69	0.464828
1349.8	0.464828
1349.9	0.467139
1350	0.467139
1350.09	0.468483
1350.2	0.468483
1350.3	0.467875
1350.4	0.467875
1350.49	0.468036
1350.6	0.468036
1350.69	0.468799
1350.81	0.469011
1350.9	0.470733
1351.01	0.470733
1351.09	0.471519
1351.21	0.471652
1351.3	0.472251
1351.41	0.472251
1351.49	0.471671
1351.61	0.471671

30m_1000nm

1351.69	0.468731
1351.81	0.468731
1351.89	0.467805
1352.01	0.467805
1352.09	0.466792
1352.21	0.466792
1352.3	0.466648
1352.41	0.466648
1352.49	0.46794
1352.61	0.46794
1352.69	0.468824
1352.81	0.468824
1352.89	0.469859
1353.02	0.470226
1353.09	0.470415
1353.22	0.470415
1353.29	0.470735
1353.42	0.470573
1353.49	0.471082
1353.62	0.471082
1353.69	0.471948
1353.82	0.472297
1353.89	0.471814
1354.02	0.471814
1354.09	0.472287
1354.22	0.472285
1354.29	0.47065
1354.42	0.47065
1354.49	0.468725
1354.62	0.467843
1354.69	0.467113
1354.82	0.467113
1354.9	0.467182
1355.03	0.467722
1355.09	0.469013
1355.23	0.469013
1355.29	0.469778
1355.43	0.469778
1355.49	0.469798
1355.63	0.469631
1355.69	0.470709
1355.83	0.470709
1355.9	0.473472
1356.03	0.474619
1356.09	0.474612
1356.23	0.474612
1356.3	0.473926
1356.43	0.472891
1356.5	0.472246

30m_1000nm

1356.63	0.471595
1356.69	0.470769
1356.83	0.470249
1356.89	0.470197
1357.04	0.470461
1357.1	0.469712
1357.24	0.469336
1357.3	0.469027
1357.44	0.468473
1357.5	0.468348
1357.64	0.468635
1357.7	0.468961
1357.84	0.469072
1357.9	0.469049
1358.04	0.469441
1358.1	0.469648
1358.24	0.469597
1358.31	0.469169
1358.44	0.469062
1358.5	0.469213
1358.64	0.469224
1358.7	0.469366
1358.85	0.469897
1358.91	0.469897
1359.05	0.470575
1359.11	0.471381
1359.25	0.471998
1359.31	0.472955
1359.45	0.47306
1359.51	0.473411
1359.65	0.473721
1359.71	0.474379
1359.85	0.474572
1359.91	0.474114
1360.05	0.473309
1360.11	0.470923
1360.25	0.470098
1360.31	0.469122
1360.45	0.468433
1360.51	0.468238
1360.66	0.468003
1360.72	0.468361
1360.85	0.469095
1360.92	0.469773
1361.06	0.47019
1361.12	0.47067
1361.26	0.47097
1361.32	0.471022
1361.46	0.471362

30m_1000nm

1361.52	0.471564
1361.66	0.471621
1361.72	0.470676
1361.86	0.470679
1361.92	0.471398
1362.06	0.471971
1362.12	0.472904
1362.26	0.473303
1362.32	0.473604
1362.46	0.473688
1362.53	0.473316
1362.66	0.472926
1362.72	0.471989
1362.86	0.471662
1362.93	0.470934
1363.07	0.470136
1363.13	0.46925
1363.27	0.468622
1363.33	0.468145
1363.47	0.467692
1363.53	0.467348
1363.67	0.466898
1363.73	0.466507
1363.87	0.466697
1363.93	0.467201
1364.07	0.467634
1364.13	0.468041
1364.27	0.467877
1364.33	0.467573
1364.47	0.467395
1364.53	0.467786
1364.67	0.46817
1364.73	0.468992
1364.88	0.469543
1364.94	0.47029
1365.08	0.47118
1365.14	0.472868
1365.28	0.473004
1365.29	0.473008
1365.48	0.473153
1365.49	0.472648
1365.68	0.47246
1365.69	0.472394
1365.88	0.472317
1365.9	0.471916
1366.08	0.470122
1366.09	0.469195
1366.28	0.469113
1366.29	0.4693

30m_1000nm

1366.48	0.469683
1366.5	0.470109
1366.68	0.47045
1366.69	0.470836
1366.89	0.470481
1366.9	0.469766
1367.09	0.469433
1367.1	0.469083
1367.29	0.469203
1367.3	0.469353
1367.49	0.469747
1367.5	0.469889
1367.69	0.47023
1367.7	0.46964
1367.89	0.469517
1367.9	0.469507
1368.09	0.469388
1368.1	0.468217
1368.29	0.467547
1368.3	0.467315
1368.49	0.467187
1368.5	0.467357
1368.59	0.467271
1368.69	0.467271
1368.8	0.46784
1368.9	0.46784
1368.99	0.469137
1369.1	0.469137
1369.19	0.469572
1369.3	0.469572
1369.4	0.4692
1369.5	0.4692
1369.59	0.467851
1369.7	0.467851
1369.8	0.467627
1369.9	0.468019
1369.99	0.469152
1370.1	0.469152
1370.19	0.469409
1370.3	0.469409
1370.39	0.46867
1370.5	0.46867
1370.59	0.468144
1370.7	0.468144
1370.8	0.465331
1370.91	0.465331
1370.99	0.465038
1371.11	0.465038
1371.19	0.46723

30m_1000nm

1371.31	0.46723
1371.4	0.46901
1371.51	0.46901
1371.59	0.470634
1371.71	0.470634
1371.8	0.46963
1371.91	0.46963
1371.99	0.466767
1372.11	0.466767
1372.19	0.463988
1372.31	0.463988
1372.4	0.46246
1372.51	0.462328
1372.59	0.462383
1372.71	0.462383
1372.8	0.463404
1372.92	0.464352
1372.99	0.466581
1373.12	0.466581
1373.19	0.468669
1373.32	0.469642
1373.39	0.470309
1373.52	0.470309
1373.59	0.47004
1373.72	0.469901
1373.8	0.468309
1373.92	0.468309
1373.99	0.467163
1374.12	0.467163
1374.19	0.465129
1374.32	0.465129
1374.39	0.463398
1374.52	0.463398
1374.59	0.461252
1374.72	0.461252
1374.79	0.458964
1374.93	0.458964
1374.99	0.457909
1375.13	0.458574
1375.19	0.459756
1375.33	0.459756
1375.4	0.462855
1375.53	0.463852
1375.59	0.465307
1375.73	0.465307
1375.8	0.466617
1375.93	0.466811
1375.99	0.467489
1376.13	0.467489

30m_1000nm

1376.19	0.466626
1376.33	0.465712
1376.4	0.464624
1376.53	0.463308
1376.59	0.461072
1376.73	0.460807
1376.8	0.462071
1376.94	0.462071
1377	0.464581
1377.14	0.46572
1377.2	0.466595
1377.34	0.467137
1377.4	0.467889
1377.54	0.469385
1377.6	0.470055
1377.74	0.470742
1377.8	0.471283
1377.94	0.471696
1378	0.471797
1378.14	0.471821
1378.2	0.470629
1378.34	0.469535
1378.4	0.465646
1378.54	0.463441
1378.6	0.461614
1378.74	0.460324
1378.81	0.460555
1378.94	0.460964
1379.01	0.461901
1379.15	0.463184
1379.21	0.46445
1379.35	0.464681
1379.41	0.46508
1379.55	0.464453
1379.61	0.463574
1379.75	0.463329
1379.81	0.463016
1379.95	0.463157
1380.01	0.462888
1380.15	0.462937
1380.21	0.463207
1380.35	0.463599
1380.41	0.464574
1380.55	0.465058
1380.62	0.465188
1380.75	0.464855
1380.81	0.463695
1380.95	0.463239
1381.02	0.462161

30m_1000nm

1381.16	0.460532
1381.22	0.459219
1381.36	0.45802
1381.42	0.458587
1381.56	0.459719
1381.62	0.460945
1381.76	0.46253
1381.82	0.465715
1381.96	0.466671
1382.02	0.467619
1382.16	0.467875
1382.22	0.46706
1382.36	0.46627
1382.43	0.466252
1382.56	0.465719
1382.62	0.464075
1382.76	0.463686
1382.82	0.463122
1382.96	0.462338
1383.03	0.46026
1383.17	0.45902
1383.23	0.457896
1383.37	0.457713
1383.43	0.457232
1383.57	0.457507
1383.63	0.457896
1383.77	0.458743
1383.83	0.460232
1383.97	0.460601
1384.03	0.460899
1384.17	0.460909
1384.23	0.461601
1384.37	0.461901
1384.43	0.462458
1384.57	0.463393
1384.63	0.465218
1384.78	0.466132
1384.84	0.46674
1384.97	0.466886
1385.04	0.466416
1385.18	0.46499
1385.24	0.465369
1385.38	0.466472
1385.39	0.46781
1385.58	0.469457
1385.59	0.472134
1385.78	0.473146
1385.79	0.474042
1385.98	0.474742

30m_1000nm

1385.99	0.475661
1386.18	0.475725
1386.19	0.475717
1386.38	0.475909
1386.4	0.476815
1386.58	0.476954
1386.59	0.477512
1386.79	0.477745
1386.79	0.477499
1386.98	0.47726
1386.99	0.477525
1387.19	0.477515
1387.19	0.477488
1387.39	0.477177
1387.4	0.477121
1387.59	0.476449
1387.6	0.476465
1387.79	0.477179
1387.8	0.477449
1387.99	0.477409
1388	0.477124
1388.19	0.475305
1388.2	0.474267
1388.39	0.474414
1388.4	0.473762
1388.59	0.474172
1388.6	0.474605
1388.79	0.475241
1388.8	0.475694
1388.89	0.476233
1389	0.477487
1389.09	0.477212
1389.2	0.477212
1389.29	0.475749
1389.4	0.475749
1389.49	0.474006
1389.6	0.474006
1389.69	0.474284
1389.8	0.474284
1389.9	0.473165
1390	0.473165
1390.09	0.47347
1390.2	0.47347
1390.3	0.47514
1390.4	0.47514
1390.49	0.475261
1390.6	0.475261
1390.69	0.473131
1390.8	0.473131

30m_1000nm

1390.9	0.471344
1391.01	0.471344
1391.09	0.471126
1391.21	0.471126
1391.29	0.472096
1391.41	0.472096
1391.49	0.473142
1391.61	0.473736
1391.69	0.474401
1391.81	0.474401
1391.9	0.473298
1392.01	0.472565
1392.09	0.471907
1392.21	0.471907
1392.29	0.473017
1392.41	0.473653
1392.49	0.474606
1392.61	0.474606
1392.69	0.474805
1392.81	0.474805
1392.9	0.476927
1393.02	0.476927
1393.09	0.477973
1393.22	0.477973
1393.3	0.478971
1393.42	0.478971
1393.49	0.478607
1393.62	0.478607
1393.69	0.47686
1393.82	0.47686
1393.89	0.476294
1394.02	0.476294
1394.09	0.477053
1394.22	0.477787
1394.29	0.479211
1394.42	0.479211
1394.49	0.479627
1394.62	0.479703
1394.69	0.478404
1394.82	0.478404
1394.89	0.478022
1395.03	0.478125
1395.09	0.478247
1395.23	0.478247
1395.3	0.477848
1395.43	0.477545
1395.49	0.476963
1395.63	0.476963
1395.69	0.476673

30m_1000nm

1395.83	0.476853
1395.9	0.477262
1396.03	0.477262
1396.09	0.477568
1396.23	0.477191
1396.29	0.47716
1396.43	0.476772
1396.49	0.476944
1396.63	0.475367
1396.69	0.475367
1396.83	0.473981
1396.9	0.472989
1397.04	0.472134
1397.09	0.471088
1397.24	0.470608
1397.3	0.469933
1397.44	0.469809
1397.5	0.470263
1397.64	0.470711
1397.7	0.471113
1397.84	0.471438
1397.9	0.472858
1398.04	0.474215
1398.1	0.475713
1398.24	0.477625
1398.3	0.479658
1398.44	0.479519
1398.5	0.47875
1398.64	0.477679
1398.71	0.474648
1398.84	0.47364
1398.9	0.472855
1399.05	0.472049
1399.1	0.471342
1399.25	0.472039
1399.31	0.473191
1399.45	0.4745
1399.51	0.477179
1399.65	0.478411
1399.71	0.480024
1399.85	0.481217
1399.91	0.48179
1400.05	0.481436
1400.11	0.480986
1400.25	0.47993
1400.31	0.479489
1400.45	0.479258
1400.52	0.478855
1400.65	0.47851

30m_1000nm

1400.71	0.478231
1400.85	0.478067
1400.92	0.477945
1401.06	0.478376
1401.12	0.479066
1401.26	0.479377
1401.32	0.47904
1401.46	0.479106
1401.52	0.479013
1401.66	0.478756
1401.72	0.477099
1401.86	0.476453
1401.92	0.476281
1402.06	0.476194
1402.12	0.47745
1402.26	0.478163
1402.32	0.478891
1402.46	0.479764
1402.52	0.481842
1402.66	0.482745
1402.72	0.483263
1402.86	0.482599
1402.93	0.479798
1403.06	0.477983
1403.13	0.476101
1403.27	0.475027
1403.33	0.473302
1403.47	0.472914
1403.53	0.472442
1403.67	0.472482
1403.73	0.473535
1403.87	0.474061
1403.93	0.474557
1404.07	0.474772
1404.13	0.475342
1404.27	0.475489
1404.33	0.475792
1404.47	0.475124
1404.53	0.475275
1404.67	0.475243
1404.74	0.473512
1404.88	0.473102
1404.93	0.47276
1405.07	0.472199
1405.13	0.471163
1405.28	0.470584
1405.34	0.470358
1405.48	0.470418
1405.49	0.472009

30m_1000nm

1405.68	0.473587
1405.69	0.475293
1405.88	0.47721
1405.89	0.480098
1406.08	0.481563
1406.09	0.482806
1406.28	0.483846
1406.3	0.484664
1406.48	0.48489
1406.49	0.484666
1406.68	0.483889
1406.69	0.480882
1406.88	0.478717
1406.89	0.476557
1407.08	0.475009
1407.09	0.474174
1407.29	0.472927
1407.3	0.472463
1407.49	0.472559
1407.5	0.472923
1407.69	0.47341
1407.7	0.473779
1407.89	0.474107
1407.9	0.474823
1408.09	0.474939
1408.1	0.47609
1408.29	0.476874
1408.3	0.477838
1408.49	0.479147
1408.5	0.480925
1408.69	0.480376
1408.7	0.478949
1408.79	0.477197
1408.9	0.477197
1408.99	0.473485
1409.09	0.473485
1409.19	0.474046
1409.3	0.474046
1409.4	0.476525
1409.5	0.476525
1409.59	0.478173
1409.7	0.478173
1409.8	0.477738
1409.9	0.477738
1409.99	0.476782
1410.1	0.476782
1410.19	0.476216
1410.3	0.476216
1410.4	0.47546

30m_1000nm

1410.5	0.47546
1410.59	0.475518
1410.7	0.475518
1410.8	0.477319
1410.9	0.477319
1410.99	0.477808
1411.1	0.477562
1411.19	0.477097
1411.31	0.477097
1411.4	0.476337
1411.51	0.475758
1411.59	0.476579
1411.71	0.476579
1411.79	0.478586
1411.91	0.478586
1411.99	0.481335
1412.11	0.481335
1412.19	0.481611
1412.31	0.481611
1412.4	0.480731
1412.51	0.480731
1412.59	0.479078
1412.71	0.479078
1412.8	0.476049
1412.92	0.476049
1412.99	0.475423
1413.11	0.475423
1413.19	0.476425
1413.32	0.476854
1413.39	0.477745
1413.52	0.477745
1413.59	0.477813
1413.72	0.478328
1413.8	0.478609
1413.92	0.478609
1413.99	0.479203
1414.12	0.4795
1414.19	0.479355
1414.32	0.479355
1414.4	0.47932
1414.52	0.479248
1414.59	0.479652
1414.72	0.479652
1414.79	0.479572
1414.92	0.47944
1414.99	0.479472
1415.13	0.479472
1415.19	0.478759
1415.33	0.478788

30m_1000nm

1415.39	0.479982
1415.53	0.479982
1415.59	0.481678
1415.73	0.481678
1415.79	0.482475
1415.93	0.483014
1415.99	0.483482
1416.13	0.483482
1416.19	0.482904
1416.33	0.482477
1416.4	0.480169
1416.53	0.480169
1416.59	0.477914
1416.73	0.476623
1416.8	0.475625
1416.93	0.47449
1416.99	0.474408
1417.14	0.475072
1417.19	0.475681
1417.34	0.476762
1417.4	0.478361
1417.54	0.479111
1417.6	0.479568
1417.74	0.47959
1417.8	0.479446
1417.94	0.479118
1418	0.478969
1418.14	0.479338
1418.2	0.479936
1418.34	0.48037
1418.4	0.480614
1418.54	0.48007
1418.6	0.478338
1418.74	0.477492
1418.8	0.477324
1418.94	0.477416
1419	0.477287
1419.15	0.47685
1419.21	0.47685
1419.35	0.476823
1419.41	0.477029
1419.55	0.476502
1419.61	0.47474
1419.75	0.473824
1419.81	0.472988
1419.95	0.472036
1420.01	0.470229
1420.15	0.469867
1420.21	0.469934

30m_1000nm

1420.35	0.470556
1420.41	0.472178
1420.55	0.473359
1420.61	0.475092
1420.75	0.476696
1420.81	0.478387
1420.95	0.47842
1421.02	0.478493
1421.16	0.478555
1421.21	0.479119
1421.36	0.479701
1421.42	0.480543
1421.56	0.480821
1421.62	0.481915
1421.76	0.481828
1421.82	0.481544
1421.96	0.480152
1422.02	0.476991
1422.16	0.475189
1422.22	0.473259
1422.36	0.471757
1422.42	0.470313
1422.56	0.470326
1422.62	0.470674
1422.76	0.471613
1422.83	0.472624
1422.96	0.476555
1423.03	0.476555
1423.17	0.477186
1423.23	0.477386
1423.37	0.477035
1423.43	0.476722
1423.57	0.476229
1423.63	0.475803
1423.77	0.475687
1423.83	0.476102
1423.97	0.476145
1424.03	0.475811
1424.17	0.475524
1424.23	0.474757
1424.37	0.474931
1424.43	0.475163
1424.57	0.475787
1424.64	0.476996
1424.77	0.477608
1424.83	0.477837
1424.97	0.477832
1425.04	0.477734
1425.18	0.477725

30m_1000nm

1425.24	0.477634
1425.38	0.477967
1425.39	0.478563
1425.58	0.478292
1425.59	0.477829
1425.78	0.477023
1425.8	0.475209
1425.98	0.474673
1425.99	0.474475
1426.18	0.474357
1426.19	0.474537
1426.38	0.475699
1426.4	0.476421
1426.58	0.47704
1426.59	0.478123
1426.78	0.479869
1426.79	0.479869
1426.98	0.479535
1426.99	0.479293
1427.19	0.478927
1427.19	0.478383
1427.39	0.477928
1427.4	0.47759
1427.59	0.477107
1427.6	0.476344
1427.79	0.475777
1427.8	0.475344
1427.99	0.475475
1428	0.47584
1428.19	0.476215
1428.2	0.476983
1428.39	0.477243
1428.4	0.476819
1428.59	0.476265
1428.6	0.475769
1428.79	0.475207
1428.8	0.474596
1428.89	0.472932
1428.99	0.472932
1429.09	0.472975
1429.2	0.472975
1429.3	0.475641
1429.4	0.475641
1429.49	0.477867
1429.6	0.477867
1429.69	0.479531
1429.8	0.479531
1429.9	0.480269
1430	0.480269

30m_1000nm

1430.09	0.480412
1430.2	0.480624
1430.29	0.481105
1430.4	0.481105
1430.49	0.4822
1430.6	0.4822
1430.69	0.483679
1430.8	0.483679
1430.9	0.482647
1431	0.482647
1431.09	0.480219
1431.2	0.480219
1431.3	0.477846
1431.41	0.477846
1431.49	0.476674
1431.61	0.476674
1431.69	0.477053
1431.81	0.477053
1431.9	0.476419
1432.01	0.476419
1432.09	0.475625
1432.21	0.475625
1432.29	0.47413
1432.41	0.47413
1432.49	0.474111
1432.61	0.474111
1432.69	0.474029
1432.81	0.474301
1432.89	0.474617
1433.02	0.474617
1433.09	0.474861
1433.21	0.474775
1433.3	0.474088
1433.42	0.474088
1433.49	0.473572
1433.62	0.473547
1433.69	0.473552
1433.82	0.473552
1433.9	0.474249
1434.02	0.474724
1434.09	0.475688
1434.22	0.475688
1434.3	0.475867
1434.42	0.475867
1434.49	0.474213
1434.62	0.474213
1434.69	0.47349
1434.82	0.47349
1434.89	0.47459

30m_1000nm

1435.02	0.47459
1435.09	0.476023
1435.22	0.476023
1435.3	0.476853
1435.43	0.47726
1435.49	0.477917
1435.63	0.477917
1435.69	0.478557
1435.83	0.478843
1435.89	0.479654
1436.03	0.479654
1436.09	0.480781
1436.23	0.481864
1436.3	0.482966
1436.43	0.482966
1436.49	0.482806
1436.63	0.482226
1436.7	0.481094
1436.83	0.480207
1436.9	0.477863
1437.03	0.476997
1437.1	0.476649
1437.23	0.476791
1437.3	0.478081
1437.44	0.479786
1437.5	0.481302
1437.64	0.482286
1437.7	0.484771
1437.84	0.485614
1437.9	0.485836
1438.04	0.485796
1438.1	0.485232
1438.24	0.484171
1438.3	0.483002
1438.44	0.483184
1438.51	0.483687
1438.64	0.483871
1438.7	0.483641
1438.84	0.483262
1438.91	0.482376
1439.05	0.481284
1439.11	0.479624
1439.24	0.47831
1439.31	0.477535
1439.45	0.477171
1439.51	0.476697
1439.65	0.476144
1439.71	0.475951
1439.85	0.476061

30m_1000nm

1439.91	0.476127
1440.05	0.476323
1440.11	0.476418
1440.25	0.476543
1440.32	0.476567
1440.45	0.476633
1440.51	0.47736
1440.65	0.47812
1440.71	0.479616
1440.85	0.479991
1440.92	0.479964
1441.06	0.479198
1441.12	0.478651
1441.26	0.478568
1441.32	0.479275
1441.46	0.479851
1441.52	0.481436
1441.66	0.481292
1441.72	0.481546
1441.86	0.481245
1441.92	0.481173
1442.06	0.48111
1442.13	0.481177
1442.26	0.481278
1442.32	0.481165
1442.46	0.481462
1442.52	0.482718
1442.66	0.483288
1442.73	0.483847
1442.86	0.48394
1442.93	0.48387
1443.06	0.48372
1443.13	0.483657
1443.27	0.483123
1443.33	0.481517
1443.47	0.481149
1443.53	0.481049
1443.67	0.481084
1443.73	0.481303
1443.87	0.481125
1443.93	0.480951
1444.07	0.480873
1444.13	0.480357
1444.27	0.479827
1444.33	0.479669
1444.47	0.479558
1444.54	0.480058
1444.67	0.480652
1444.73	0.481384

30m_1000nm

1444.88	0.482304
1444.94	0.48386
1445.07	0.484897
1445.14	0.485247
1445.28	0.485196
1445.29	0.484509
1445.48	0.483213
1445.49	0.482476
1445.68	0.481877
1445.69	0.481554
1445.88	0.481446
1445.9	0.48157
1446.08	0.481692
1446.09	0.48162
1446.28	0.481411
1446.29	0.480799
1446.48	0.480472
1446.49	0.480201
1446.68	0.480103
1446.69	0.480506
1446.88	0.480989
1446.9	0.481363
1447.08	0.481577
1447.1	0.481843
1447.29	0.481499
1447.3	0.480875
1447.49	0.480292
1447.5	0.479149
1447.69	0.479209
1447.7	0.47931
1447.89	0.479593
1447.9	0.480151
1448.09	0.480825
1448.1	0.480487
1448.29	0.480457
1448.3	0.480054
1448.49	0.478188
1448.5	0.476905
1448.69	0.474987
1448.7	0.473684
1448.89	0.4729
1448.9	0.472973
1448.99	0.473234
1449.1	0.473234
1449.19	0.474665
1449.3	0.475397
1449.4	0.475998
1449.5	0.475998
1449.59	0.476146

30m_1000nm

1449.7	0.476146
1449.79	0.474136
1449.9	0.474136
1449.99	0.472624
1450.1	0.472624
1450.19	0.470067
1450.3	0.470067
1450.39	0.46928
1450.5	0.46928
1450.59	0.470895
1450.7	0.470895
1450.8	0.473567
1450.91	0.473567
1450.99	0.477207
1451.11	0.477207
1451.19	0.479283
1451.31	0.479283
1451.4	0.481017
1451.51	0.481017
1451.59	0.481511
1451.71	0.481511
1451.79	0.481718
1451.91	0.481975
1451.99	0.48284
1452.11	0.48284
1452.19	0.481654
1452.31	0.480914
1452.39	0.478772
1452.51	0.478772
1452.59	0.476728
1452.71	0.4761
1452.79	0.474549
1452.92	0.474549
1452.99	0.475083
1453.12	0.475518
1453.19	0.476755
1453.32	0.476755
1453.4	0.477834
1453.52	0.477834
1453.59	0.47831
1453.72	0.47831
1453.79	0.478743
1453.92	0.478743
1453.99	0.481276
1454.12	0.481276
1454.19	0.481639
1454.32	0.481639
1454.4	0.480212
1454.52	0.479684

30m_1000nm

1454.59	0.478124
1454.72	0.478124
1454.79	0.47635
1454.93	0.475658
1454.99	0.47592
1455.13	0.47592
1455.19	0.477489
1455.33	0.478193
1455.39	0.478232
1455.53	0.478232
1455.59	0.479296
1455.73	0.480186
1455.8	0.481228
1455.93	0.481228
1455.99	0.481821
1456.13	0.482156
1456.19	0.481149
1456.33	0.481149
1456.4	0.480574
1456.53	0.480159
1456.6	0.479099
1456.73	0.478035
1456.8	0.475977
1456.94	0.475486
1457	0.474976
1457.14	0.475103
1457.2	0.475896
1457.34	0.476776
1457.4	0.479066
1457.54	0.479971
1457.6	0.480978
1457.74	0.481378
1457.8	0.481368
1457.94	0.481093
1458	0.48049
1458.14	0.480141
1458.2	0.4794
1458.34	0.479895
1458.41	0.48022
1458.54	0.480667
1458.6	0.482242
1458.74	0.482721
1458.81	0.482875
1458.95	0.483106
1459.01	0.482656
1459.15	0.482455
1459.21	0.482154
1459.35	0.48131
1459.41	0.479186

30m_1000nm

1459.55	0.478319
1459.61	0.477489
1459.75	0.476654
1459.81	0.475894
1459.95	0.476266
1460.01	0.477318
1460.15	0.478797
1460.21	0.480916
1460.35	0.481382
1460.41	0.481084
1460.55	0.480228
1460.61	0.479095
1460.76	0.476156
1460.82	0.474632
1460.96	0.473401
1461.02	0.472289
1461.16	0.471693
1461.22	0.472381
1461.36	0.473612
1461.42	0.475084
1461.56	0.476411
1461.62	0.478676
1461.76	0.479475
1461.82	0.479666
1461.96	0.479994
1462.02	0.479357
1462.16	0.478347
1462.22	0.47753
1462.36	0.477198
1462.42	0.477248
1462.56	0.477855
1462.63	0.478469
1462.77	0.479126
1462.82	0.480204
1462.97	0.480482
1463.03	0.480482
1463.17	0.480341
1463.23	0.479007
1463.37	0.478542
1463.43	0.4783
1463.57	0.478358
1463.63	0.478266
1463.77	0.478241
1463.83	0.478873
1463.97	0.479248
1464.03	0.480135
1464.17	0.480493
1464.23	0.480496
1464.37	0.479923

30m_1000nm

1464.44	0.479115
1464.57	0.477025
1464.64	0.476401
1464.78	0.475896
1464.83	0.475412
1464.98	0.475231
1465.04	0.47549
1465.18	0.47588
1465.24	0.476531
1465.38	0.47733
1465.4	0.478018
1465.58	0.478462
1465.59	0.479325
1465.78	0.479436
1465.79	0.47908
1465.98	0.47859
1465.99	0.478049
1466.18	0.477544
1466.19	0.475377
1466.38	0.474298
1466.4	0.473573
1466.58	0.473482
1466.6	0.475553
1466.79	0.476945
1466.8	0.477958
1466.99	0.478919
1467	0.479428
1467.19	0.479462
1467.2	0.479266
1467.39	0.479494
1467.4	0.479794
1467.59	0.480332
1467.6	0.480564
1467.79	0.480588
1467.8	0.480629
1467.99	0.479842
1468	0.479516
1468.19	0.478359
1468.2	0.477189
1468.4	0.475408
1468.41	0.475408
1468.59	0.475106
1468.6	0.474916
1468.69	0.475086
1468.8	0.475086
1468.9	0.473929
1469	0.473929
1469.09	0.473576
1469.2	0.473576

30m_1000nm

1469.3	0.475598
1469.4	0.475598
1469.49	0.477008
1469.6	0.477008
1469.69	0.479581
1469.8	0.479581
1469.9	0.481068
1470	0.481068
1470.09	0.482273
1470.2	0.482273
1470.29	0.482793
1470.4	0.482793
1470.49	0.481072
1470.6	0.481072
1470.69	0.480051
1470.81	0.480051
1470.9	0.47915
1471.01	0.47915
1471.09	0.478854
1471.21	0.478854
1471.3	0.478781
1471.41	0.478535
1471.49	0.477785
1471.61	0.477785
1471.69	0.477712
1471.81	0.477939
1471.9	0.477557
1472.01	0.477557
1472.09	0.477944
1472.21	0.477357
1472.3	0.477095
1472.41	0.477095
1472.49	0.476479
1472.61	0.476479
1472.69	0.475255
1472.81	0.475255
1472.89	0.476342
1473.02	0.476342
1473.09	0.478408
1473.22	0.478408
1473.29	0.479381
1473.42	0.479381
1473.49	0.479175
1473.62	0.479175
1473.69	0.478318
1473.82	0.478318
1473.9	0.477705
1474.02	0.47767
1474.09	0.478195

30m_1000nm

1474.22	0.478195
1474.29	0.478984
1474.42	0.479371
1474.49	0.480648
1474.62	0.480648
1474.69	0.481474
1474.82	0.482592
1474.9	0.484503
1475.03	0.484503
1475.09	0.485608
1475.23	0.485367
1475.29	0.484596
1475.43	0.484596
1475.49	0.483376
1475.63	0.483094
1475.69	0.483794
1475.83	0.483794
1475.9	0.485019
1476.03	0.485019
1476.09	0.484431
1476.23	0.483691
1476.3	0.481136
1476.43	0.481136
1476.5	0.478382
1476.63	0.476995
1476.69	0.475773
1476.83	0.475123
1476.9	0.47387
1477.04	0.474495
1477.1	0.475344
1477.24	0.476833
1477.3	0.478697
1477.44	0.47995
1477.5	0.481398
1477.64	0.482104
1477.7	0.482049
1477.84	0.481718
1477.9	0.481524
1478.04	0.481808
1478.1	0.483002
1478.24	0.484121
1478.31	0.48466
1478.44	0.484891
1478.5	0.484491
1478.64	0.484414
1478.7	0.484145
1478.84	0.483715
1478.91	0.482817
1479.05	0.482878

30m_1000nm

1479.11	0.482878
1479.25	0.482563
1479.31	0.482442
1479.45	0.482461
1479.51	0.482638
1479.65	0.481591
1479.71	0.480427
1479.85	0.478701
1479.91	0.475411
1480.05	0.473727
1480.11	0.472517
1480.25	0.471556
1480.31	0.471499
1480.45	0.472272
1480.51	0.472772
1480.66	0.473365
1480.72	0.474062
1480.85	0.474332
1480.92	0.474711
1481.06	0.475168
1481.12	0.475001
1481.26	0.475004
1481.32	0.475512
1481.46	0.475786
1481.52	0.475545
1481.66	0.475678
1481.72	0.475793
1481.86	0.475406
1481.92	0.475086
1482.06	0.475342
1482.12	0.476096
1482.26	0.476797
1482.32	0.47799
1482.46	0.477893
1482.53	0.477635
1482.66	0.477676
1482.72	0.479184
1482.86	0.479995
1482.92	0.480968
1483.07	0.481914
1483.13	0.483379
1483.27	0.484503
1483.33	0.484374
1483.47	0.484005
1483.53	0.483105
1483.67	0.481712
1483.73	0.479512
1483.87	0.478643
1483.93	0.477595

30m_1000nm

1484.07	0.476405
1484.13	0.474765
1484.27	0.474694
1484.33	0.474677
1484.47	0.474389
1484.53	0.474624
1484.67	0.475025
1484.73	0.475511
1484.88	0.475753
1484.94	0.476829
1485.08	0.477254
1485.14	0.477497
1485.28	0.47729
1485.34	0.477005
1485.48	0.476706
1485.49	0.476802
1485.68	0.476348
1485.69	0.477626
1485.88	0.478419
1485.89	0.47923
1486.08	0.479368
1486.09	0.480702
1486.28	0.481658
1486.3	0.482734
1486.48	0.483416
1486.49	0.483883
1486.68	0.483551
1486.69	0.482461
1486.89	0.481121
1486.9	0.47989
1487.09	0.477725
1487.1	0.477695
1487.29	0.477661
1487.3	0.477731
1487.49	0.477727
1487.5	0.477599
1487.69	0.478244
1487.7	0.478853
1487.89	0.47954
1487.9	0.481145
1488.09	0.48195
1488.1	0.482493
1488.29	0.483119
1488.31	0.484364
1488.49	0.485095
1488.5	0.485401
1488.59	0.485344
1488.69	0.485344
1488.79	0.484891

30m_1000nm

1488.9	0.484891
1488.99	0.4855
1489.1	0.4855
1489.19	0.485411
1489.3	0.485411
1489.4	0.484022
1489.5	0.484022
1489.59	0.481458
1489.7	0.481458
1489.79	0.481217
1489.9	0.481217
1489.99	0.481849
1490.1	0.481849
1490.19	0.483307
1490.3	0.483307
1490.4	0.484562
1490.5	0.485426
1490.59	0.486433
1490.7	0.486433
1490.79	0.48584
1490.91	0.485406
1490.99	0.484322
1491.11	0.484322
1491.19	0.484267
1491.31	0.484267
1491.4	0.485304
1491.51	0.485304
1491.59	0.485792
1491.71	0.485792
1491.79	0.484431
1491.91	0.484431
1491.99	0.482366
1492.11	0.482366
1492.19	0.479867
1492.31	0.479867
1492.39	0.479724
1492.51	0.479724
1492.59	0.479842
1492.71	0.479842
1492.8	0.481027
1492.92	0.481027
1492.99	0.482185
1493.12	0.48295
1493.19	0.48405
1493.32	0.48405
1493.4	0.486179
1493.52	0.486556
1493.59	0.486552
1493.72	0.486552

30m_1000nm

1493.8	0.48543
1493.92	0.484778
1493.99	0.483388
1494.12	0.483388
1494.19	0.482512
1494.32	0.482384
1494.39	0.482381
1494.52	0.482381
1494.59	0.482218
1494.72	0.481955
1494.8	0.481539
1494.93	0.481539
1494.99	0.482053
1495.13	0.482053
1495.19	0.482885
1495.33	0.482885
1495.39	0.483077
1495.53	0.483077
1495.59	0.483036
1495.73	0.482672
1495.79	0.481944
1495.93	0.481944
1495.99	0.481675
1496.13	0.481584
1496.19	0.481596
1496.33	0.481596
1496.4	0.481305
1496.53	0.481062
1496.59	0.479374
1496.73	0.479374
1496.79	0.477143
1496.94	0.476353
1497	0.475639
1497.14	0.475845
1497.2	0.476947
1497.34	0.477318
1497.4	0.47806
1497.54	0.478645
1497.6	0.479328
1497.74	0.479812
1497.8	0.480564
1497.94	0.481481
1498	0.482277
1498.14	0.482287
1498.2	0.482173
1498.34	0.482437
1498.4	0.48274
1498.54	0.483064
1498.6	0.483064

30m_1000nm

1498.74	0.483365
1498.81	0.483655
1498.94	0.483899
1499.01	0.483658
1499.15	0.483326
1499.21	0.48297
1499.35	0.48286
1499.41	0.482342
1499.55	0.481958
1499.61	0.481899
1499.75	0.481648
1499.81	0.480468
1499.95	0.480486
1500.01	0.480226
1500.15	0.479925
1500.21	0.479317
1500.35	0.479187
1500.41	0.478719
1500.55	0.478893
1500.61	0.479256
1500.75	0.479741
1500.81	0.480104
1500.95	0.480768
1501.02	0.481035
1501.16	0.48046
1501.22	0.479987
1501.36	0.479722
1501.42	0.479378
1501.56	0.47924
1501.62	0.47945
1501.76	0.479827
1501.82	0.481818
1501.96	0.482806
1502.02	0.48358
1502.16	0.484652
1502.22	0.485387
1502.36	0.488421
1502.43	0.488421
1502.56	0.488999
1502.62	0.489368
1502.76	0.489177
1502.83	0.48919
1502.96	0.48917
1503.03	0.489147
1503.17	0.488396
1503.23	0.487314
1503.37	0.486368
1503.43	0.485056
1503.57	0.484053

30m_1000nm

1503.63	0.481671
1503.77	0.480824
1503.83	0.479933
1503.97	0.479412
1504.03	0.478544
1504.17	0.478692
1504.23	0.478891
1504.37	0.479037
1504.43	0.479825
1504.57	0.48004
1504.63	0.480322
1504.77	0.480414
1504.84	0.481105
1504.98	0.481321
1505.04	0.481254
1505.18	0.481303
1505.24	0.483165
1505.38	0.483527
1505.4	0.483688
1505.58	0.483817
1505.59	0.483813
1505.78	0.483713
1505.8	0.483828
1505.98	0.483867
1505.99	0.483824
1506.18	0.483587
1506.19	0.483205
1506.38	0.482507
1506.39	0.481525
1506.58	0.480598
1506.59	0.479556
1506.78	0.479014
1506.79	0.478467
1506.98	0.478251
1506.99	0.478819
1507.19	0.479169
1507.2	0.479577
1507.39	0.48019
1507.4	0.480613
1507.59	0.480954
1507.6	0.481046
1507.79	0.480288
1507.8	0.47885
1507.99	0.478223
1508	0.478088
1508.19	0.477883
1508.2	0.477672
1508.39	0.478948
1508.4	0.479626

30m_1000nm

1508.59	0.480161
1508.6	0.480295
1508.79	0.480846
1508.8	0.480673
1508.9	0.480466
1509	0.480466
1509.09	0.480469
1509.2	0.480469
1509.3	0.479946
1509.4	0.479946
1509.49	0.479072
1509.6	0.479147
1509.69	0.479784
1509.8	0.479784
1509.89	0.479607
1510	0.479607
1510.09	0.477379
1510.2	0.477379
1510.29	0.478502
1510.4	0.478502
1510.49	0.482218
1510.6	0.482218
1510.69	0.482577
1510.8	0.482577
1510.89	0.481419
1511.01	0.481419
1511.09	0.48093
1511.21	0.48093
1511.3	0.480638
1511.41	0.480638
1511.49	0.479684
1511.61	0.479684
1511.69	0.479015
1511.81	0.479015
1511.89	0.478514
1512.01	0.478514
1512.09	0.477689
1512.21	0.4771
1512.29	0.476919
1512.41	0.476919
1512.49	0.477941
1512.61	0.47891
1512.69	0.480449
1512.81	0.480449
1512.9	0.482165
1513.02	0.482495
1513.09	0.483624
1513.22	0.483624
1513.3	0.483788

30m_1000nm

1513.42	0.48364
1513.49	0.482759
1513.62	0.482759
1513.69	0.481775
1513.82	0.481775
1513.9	0.480373
1514.02	0.480373
1514.09	0.47868
1514.22	0.47868
1514.29	0.478704
1514.42	0.478704
1514.49	0.478782
1514.62	0.478782
1514.69	0.479955
1514.82	0.480336
1514.9	0.48145
1515.03	0.48145
1515.09	0.482073
1515.23	0.481579
1515.29	0.480574
1515.43	0.480574
1515.49	0.479432
1515.63	0.479005
1515.69	0.480051
1515.83	0.480051
1515.9	0.482567
1516.03	0.483928
1516.09	0.485925
1516.23	0.485925
1516.3	0.485851
1516.43	0.486102
1516.49	0.485573
1516.63	0.485415
1516.69	0.484173
1516.83	0.483398
1516.9	0.482435
1517.04	0.481823
1517.1	0.479058
1517.24	0.478105
1517.3	0.47703
1517.44	0.47638
1517.5	0.475668
1517.64	0.475875
1517.7	0.477734
1517.84	0.478691
1517.9	0.479807
1518.04	0.480398
1518.1	0.480816
1518.24	0.480419

30m_1000nm

1518.3	0.479912
1518.44	0.479716
1518.5	0.479811
1518.64	0.48025
1518.71	0.480872
1518.84	0.481119
1518.91	0.482739
1519.05	0.483631
1519.11	0.484832
1519.25	0.485646
1519.31	0.486568
1519.45	0.486265
1519.51	0.485845
1519.65	0.485576
1519.71	0.484262
1519.85	0.483841
1519.91	0.483627
1520.05	0.483976
1520.11	0.483095
1520.25	0.483116
1520.31	0.483568
1520.45	0.483344
1520.52	0.482022
1520.65	0.481252
1520.71	0.4806
1520.85	0.480459
1520.92	0.480657
1521.06	0.481236
1521.12	0.481868
1521.26	0.482895
1521.32	0.483303
1521.46	0.4837
1521.52	0.484105
1521.66	0.485078
1521.72	0.486471
1521.86	0.488048
1521.92	0.490312
1522.06	0.490613
1522.12	0.490916
1522.26	0.491478
1522.32	0.491483
1522.46	0.490814
1522.52	0.490294
1522.66	0.489431
1522.72	0.487779
1522.86	0.48757
1522.93	0.487246
1523.06	0.487197
1523.13	0.485927

30m_1000nm

1523.27	0.485051
1523.33	0.484145
1523.47	0.483839
1523.53	0.482924
1523.67	0.482569
1523.73	0.482014
1523.87	0.481624
1523.93	0.481998
1524.07	0.482036
1524.13	0.482412
1524.27	0.48205
1524.33	0.48087
1524.47	0.479864
1524.53	0.479105
1524.67	0.478829
1524.74	0.479313
1524.88	0.4799
1524.94	0.480986
1525.07	0.481655
1525.14	0.482
1525.28	0.48199
1525.29	0.48223
1525.48	0.482348
1525.49	0.482086
1525.68	0.481832
1525.69	0.483106
1525.88	0.48412
1525.89	0.485463
1526.08	0.487148
1526.09	0.490328
1526.28	0.491105
1526.29	0.491746
1526.48	0.491544
1526.49	0.489718
1526.68	0.489228
1526.69	0.48783
1526.88	0.486571
1526.9	0.484031
1527.08	0.482969
1527.09	0.482516
1527.29	0.482795
1527.3	0.483245
1527.49	0.484983
1527.5	0.485857
1527.69	0.486513
1527.7	0.486544
1527.89	0.485334
1527.9	0.483889
1528.09	0.48221

30m_1000nm

1528.1	0.480173
1528.29	0.477576
1528.3	0.477346
1528.49	0.476969
1528.5	0.47769
1528.69	0.481064
1528.7	0.481064
1528.79	0.482118
1528.9	0.482118
1528.99	0.483902
1529.09	0.483902
1529.19	0.485409
1529.3	0.485409
1529.4	0.486641
1529.5	0.486641
1529.59	0.486618
1529.7	0.486618
1529.8	0.485095
1529.9	0.485095
1529.99	0.4833
1530.1	0.4833
1530.19	0.484106
1530.3	0.484106
1530.39	0.485743
1530.5	0.485743
1530.59	0.485626
1530.7	0.485626
1530.8	0.484587
1530.9	0.484587
1530.99	0.483955
1531.1	0.483955
1531.19	0.48359
1531.31	0.483296
1531.4	0.481976
1531.51	0.481976
1531.59	0.480847
1531.71	0.481307
1531.8	0.48359
1531.91	0.48359
1531.99	0.485756
1532.11	0.486271
1532.19	0.486131
1532.31	0.486131
1532.4	0.485812
1532.51	0.485812
1532.59	0.485137
1532.71	0.485137
1532.79	0.485912
1532.91	0.485912

30m_1000nm

1532.99	0.486234
1533.11	0.486234
1533.19	0.486552
1533.32	0.486552
1533.4	0.487018
1533.52	0.487018
1533.59	0.487577
1533.72	0.487577
1533.79	0.487064
1533.92	0.48693
1533.99	0.485501
1534.12	0.485501
1534.19	0.484638
1534.32	0.483993
1534.39	0.483291
1534.52	0.483291
1534.59	0.483054
1534.72	0.482882
1534.8	0.481821
1534.92	0.481821
1534.99	0.480262
1535.13	0.480006
1535.19	0.47987
1535.33	0.47987
1535.4	0.480679
1535.53	0.480754
1535.59	0.481393
1535.73	0.481393
1535.79	0.481343
1535.93	0.481661
1535.99	0.481037
1536.13	0.481037
1536.19	0.480577
1536.33	0.479703
1536.4	0.478968
1536.53	0.479327
1536.59	0.480679
1536.73	0.480679
1536.8	0.481939
1536.93	0.482641
1536.99	0.482849
1537.14	0.482962
1537.19	0.483412
1537.34	0.484022
1537.4	0.485272
1537.54	0.486359
1537.6	0.486321
1537.74	0.485049
1537.8	0.483541

30m_1000nm

1537.94	0.481778
1538	0.480041
1538.14	0.480007
1538.2	0.479768
1538.34	0.479838
1538.4	0.480254
1538.54	0.480155
1538.6	0.479976
1538.74	0.480061
1538.81	0.481339
1538.94	0.481776
1539.01	0.482588
1539.15	0.483725
1539.21	0.485475
1539.35	0.486358
1539.41	0.48696
1539.55	0.487263
1539.61	0.486533
1539.75	0.485549
1539.81	0.48465
1539.95	0.483771
1540.01	0.483081
1540.15	0.483018
1540.21	0.482909
1540.35	0.483036
1540.42	0.483012
1540.55	0.482848
1540.61	0.483565
1540.75	0.483959
1540.81	0.484617
1540.95	0.48475
1541.02	0.48511
1541.16	0.484967
1541.22	0.484485
1541.36	0.483497
1541.42	0.481161
1541.56	0.480507
1541.62	0.480497
1541.76	0.480734
1541.82	0.481162
1541.96	0.481426
1542.02	0.481818
1542.16	0.48227
1542.22	0.483485
1542.36	0.484289
1542.42	0.484562
1542.56	0.484706
1542.62	0.484324
1542.76	0.483821

30m_1000nm

1542.83	0.483123
1542.96	0.482795
1543.03	0.483081
1543.17	0.483146
1543.23	0.483153
1543.37	0.483595
1543.43	0.484811
1543.57	0.485097
1543.63	0.485457
1543.77	0.485776
1543.83	0.486488
1543.97	0.487067
1544.03	0.487555
1544.17	0.487463
1544.23	0.487085
1544.37	0.487009
1544.43	0.485254
1544.57	0.484633
1544.64	0.48401
1544.77	0.48352
1544.83	0.482585
1544.97	0.482127
1545.04	0.481217
1545.18	0.480533
1545.24	0.48108
1545.38	0.481737
1545.39	0.482376
1545.58	0.482667
1545.59	0.483289
1545.78	0.483505
1545.8	0.48405
1545.98	0.484424
1545.99	0.486344
1546.18	0.486897
1546.19	0.486615
1546.38	0.48572
1546.39	0.483744
1546.58	0.482599
1546.59	0.481058
1546.78	0.480273
1546.79	0.47947
1546.98	0.478233
1546.99	0.47836
1547.19	0.478688
1547.19	0.479223
1547.39	0.481183
1547.4	0.481868
1547.59	0.482666
1547.6	0.482998

30m_1000nm

1547.79	0.483357
1547.8	0.483785
1547.99	0.483596
1548	0.483505
1548.19	0.483265
1548.2	0.483152
1548.39	0.482956
1548.4	0.482188
1548.59	0.481453
1548.6	0.479666
1548.79	0.479475
1548.8	0.479123
1548.99	0.479126
1549.01	0.479286
1549.09	0.479328
1549.19	0.479328
1549.29	0.479076
1549.4	0.479076
1549.49	0.479781
1549.6	0.479781
1549.69	0.480697
1549.8	0.480697
1549.9	0.478951
1550	0.478951
1550.09	0.477136
1550.2	0.477136
1550.3	0.476128
1550.4	0.476128
1550.49	0.478751
1550.6	0.478751
1550.69	0.481592
1550.8	0.482115
1550.89	0.482589
1551	0.482589
1551.09	0.482123
1551.21	0.481632
1551.29	0.48121
1551.41	0.48121
1551.49	0.480869
1551.61	0.480869
1551.69	0.481562
1551.81	0.481562
1551.9	0.480438
1552.01	0.480438
1552.09	0.478789
1552.21	0.478789
1552.3	0.477106
1552.41	0.477106
1552.49	0.47587

30m_1000nm

1552.61	0.47587
1552.69	0.476114
1552.81	0.476114
1552.89	0.4812
1553.01	0.4812
1553.09	0.484916
1553.21	0.484916
1553.29	0.486046
1553.42	0.485974
1553.49	0.486171
1553.62	0.486171
1553.69	0.486286
1553.82	0.486376
1553.9	0.485376
1554.02	0.485376
1554.09	0.484114
1554.22	0.48343
1554.3	0.484099
1554.42	0.484099
1554.49	0.485405
1554.62	0.486595
1554.69	0.488636
1554.82	0.488636
1554.89	0.490091
1555.03	0.49021
1555.09	0.489538
1555.22	0.489538
1555.29	0.488168
1555.43	0.488168
1555.49	0.485128
1555.63	0.485128
1555.69	0.482622
1555.83	0.482622
1555.9	0.482121
1556.03	0.482501
1556.09	0.482797
1556.23	0.48352
1556.3	0.484912
1556.43	0.485737
1556.49	0.487615
1556.63	0.487615
1556.7	0.488445
1556.83	0.488134
1556.89	0.487254
1557.04	0.485783
1557.09	0.483377
1557.23	0.483302
1557.3	0.484292
1557.44	0.484885

30m_1000nm

1557.5	0.486595
1557.64	0.486428
1557.7	0.486844
1557.84	0.487172
1557.9	0.488127
1558.04	0.488244
1558.1	0.488306
1558.24	0.488405
1558.3	0.488726
1558.44	0.489367
1558.51	0.490074
1558.64	0.490126
1558.7	0.490226
1558.84	0.487592
1558.9	0.487592
1559.04	0.486141
1559.11	0.48458
1559.24	0.483252
1559.31	0.481187
1559.45	0.480204
1559.51	0.4792
1559.65	0.478521
1559.71	0.4772
1559.85	0.47694
1559.91	0.476507
1560.05	0.476301
1560.11	0.477542
1560.25	0.478567
1560.31	0.479929
1560.45	0.481491
1560.51	0.485151
1560.65	0.48638
1560.71	0.486853
1560.85	0.486948
1560.92	0.485308
1561.05	0.484669
1561.11	0.483936
1561.26	0.48402
1561.32	0.485625
1561.46	0.487431
1561.52	0.489586
1561.66	0.491705
1561.72	0.493288
1561.86	0.493055
1561.92	0.492732
1562.06	0.491834
1562.12	0.489218
1562.26	0.487443
1562.32	0.486256

30m_1000nm

1562.46	0.485246
1562.52	0.484753
1562.66	0.484516
1562.73	0.485109
1562.86	0.485353
1562.93	0.486017
1563.06	0.485808
1563.13	0.484987
1563.27	0.485387
1563.33	0.486287
1563.47	0.487409
1563.53	0.489536
1563.67	0.490143
1563.73	0.490029
1563.87	0.489549
1563.93	0.489111
1564.07	0.488863
1564.13	0.488669
1564.27	0.488378
1564.33	0.487613
1564.47	0.487073
1564.54	0.486142
1564.67	0.485543
1564.73	0.484499
1564.87	0.484435
1564.93	0.484442
1565.07	0.484558
1565.14	0.485444
1565.28	0.48619
1565.34	0.486916
1565.48	0.487795
1565.49	0.489082
1565.68	0.489804
1565.69	0.490463
1565.88	0.491034
1565.89	0.491084
1566.08	0.491232
1566.09	0.490691
1566.28	0.489425
1566.3	0.487103
1566.48	0.484884
1566.49	0.48158
1566.68	0.48098
1566.69	0.480842
1566.88	0.481084
1566.89	0.484631
1567.08	0.486251
1567.09	0.48821
1567.29	0.490015

30m_1000nm

1567.3	0.491921
1567.49	0.491863
1567.5	0.49116
1567.69	0.490133
1567.7	0.487378
1567.89	0.48611
1567.9	0.485269
1568.09	0.484023
1568.1	0.481721
1568.29	0.480628
1568.3	0.479693
1568.49	0.478482
1568.5	0.477782
1568.69	0.478052
1568.7	0.479017
1568.89	0.480516
1568.9	0.481965
1568.99	0.484333
1569.09	0.484333
1569.19	0.485042
1569.3	0.485042
1569.4	0.481737
1569.5	0.481737
1569.59	0.48122
1569.7	0.48122
1569.8	0.482693
1569.9	0.483428
1569.99	0.486324
1570.1	0.486324
1570.19	0.488975
1570.3	0.488975
1570.39	0.490639
1570.5	0.490639
1570.59	0.489039
1570.7	0.489039
1570.8	0.485367
1570.9	0.485367
1570.99	0.484589
1571.1	0.484589
1571.19	0.485715
1571.31	0.485715
1571.39	0.486528
1571.51	0.486528
1571.59	0.487566
1571.71	0.487566
1571.8	0.488043
1571.91	0.488043
1571.99	0.48634
1572.11	0.48634

30m_1000nm

1572.19	0.484647
1572.31	0.484647
1572.39	0.483383
1572.51	0.482748
1572.59	0.482215
1572.71	0.482215
1572.79	0.482878
1572.91	0.484105
1572.99	0.487159
1573.11	0.487159
1573.19	0.490329
1573.31	0.491099
1573.39	0.491164
1573.52	0.491164
1573.59	0.490409
1573.72	0.489789
1573.79	0.486717
1573.92	0.486717
1573.99	0.483867
1574.12	0.483867
1574.19	0.48404
1574.32	0.48404
1574.39	0.485942
1574.52	0.485942
1574.59	0.485368
1574.72	0.485368
1574.79	0.483367
1574.92	0.483367
1574.99	0.481616
1575.12	0.481003
1575.19	0.480979
1575.32	0.480979
1575.39	0.482159
1575.53	0.483061
1575.59	0.484224
1575.73	0.484224
1575.8	0.484123
1575.93	0.484159
1575.99	0.483997
1576.13	0.483997
1576.19	0.483857
1576.33	0.483392
1576.39	0.481581
1576.53	0.481581
1576.59	0.480228
1576.73	0.478992
1576.8	0.477798
1576.93	0.477798
1576.99	0.477382

30m_1000nm

1577.13	0.477865
1577.2	0.479304
1577.33	0.481367
1577.4	0.485857
1577.54	0.488079
1577.6	0.49085
1577.74	0.493117
1577.8	0.494199
1577.94	0.494683
1578	0.494219
1578.14	0.493576
1578.2	0.492585
1578.34	0.491685
1578.4	0.490355
1578.54	0.48916
1578.6	0.488394
1578.74	0.487711
1578.8	0.487338
1578.94	0.487312
1579.01	0.486923
1579.14	0.486517
1579.2	0.485368
1579.34	0.485319
1579.41	0.485475
1579.55	0.485846
1579.61	0.486318
1579.75	0.486696
1579.81	0.486522
1579.95	0.485872
1580.01	0.484753
1580.15	0.484227
1580.21	0.484306
1580.35	0.485451
1580.41	0.48741
1580.55	0.487991
1580.61	0.488389
1580.75	0.488378
1580.82	0.48725
1580.95	0.487369
1581.01	0.487816
1581.15	0.489175
1581.21	0.490432
1581.36	0.492075
1581.42	0.491548
1581.56	0.49039
1581.62	0.489151
1581.76	0.487575
1581.82	0.485812
1581.96	0.485809

30m_1000nm

1582.02	0.485869
1582.16	0.486454
1582.22	0.487378
1582.36	0.487763
1582.42	0.487674
1582.56	0.487372
1582.63	0.4859
1582.76	0.485127
1582.82	0.484457
1582.96	0.484009
1583.02	0.484008
1583.17	0.484388
1583.23	0.485321
1583.37	0.485906
1583.43	0.4884
1583.57	0.489447
1583.63	0.490536
1583.77	0.491229
1583.83	0.492582
1583.97	0.493145
1584.03	0.493509
1584.17	0.493655
1584.23	0.49372
1584.37	0.494044
1584.43	0.494508
1584.57	0.494525
1584.63	0.493996
1584.77	0.49428
1584.83	0.494774
1584.97	0.494723
1585.04	0.494785
1585.18	0.495766
1585.24	0.496046
1585.38	0.496773
1585.44	0.497638
1585.58	0.497913
1585.64	0.497106
1585.78	0.495686
1585.79	0.494462
1585.98	0.49359
1585.99	0.492023
1586.18	0.490976
1586.19	0.489392
1586.38	0.487869
1586.4	0.485712
1586.58	0.485402
1586.59	0.485275
1586.78	0.485627
1586.8	0.486551

30m_1000nm

1586.98	0.487662
1586.99	0.488891
1587.19	0.490172
1587.2	0.492011
1587.39	0.492169
1587.4	0.491762
1587.59	0.490724
1587.6	0.489614
1587.79	0.488446
1587.8	0.487959
1587.99	0.487723
1588	0.487704
1588.19	0.487579
1588.2	0.488039
1588.39	0.488751
1588.4	0.489414
1588.59	0.489831
1588.6	0.490037
1588.79	0.48987
1588.8	0.489663
1588.9	0.490242
1589	0.490242
1589.09	0.492688
1589.2	0.492688
1589.29	0.495285
1589.4	0.495285
1589.49	0.497726
1589.6	0.497726
1589.69	0.497296
1589.8	0.497296
1589.9	0.49652
1590	0.49652
1590.09	0.496068
1590.2	0.496068
1590.3	0.493731
1590.4	0.493731
1590.49	0.491073
1590.6	0.491073
1590.69	0.489409
1590.81	0.489409
1590.9	0.490179
1591.01	0.490179
1591.09	0.489646
1591.21	0.489646
1591.29	0.48685
1591.41	0.48685
1591.49	0.482982
1591.61	0.482982
1591.69	0.48162

30m_1000nm

1591.81	0.48162
1591.89	0.481784
1592.01	0.482361
1592.09	0.485126
1592.21	0.485126
1592.3	0.488334
1592.41	0.489761
1592.49	0.492378
1592.61	0.492378
1592.69	0.493007
1592.81	0.492849
1592.89	0.492352
1593.02	0.492352
1593.09	0.491999
1593.22	0.491999
1593.29	0.492748
1593.42	0.492748
1593.49	0.492829
1593.62	0.492829
1593.69	0.491787
1593.82	0.491787
1593.9	0.490084
1594.02	0.490084
1594.09	0.487817
1594.22	0.486153
1594.29	0.483477
1594.42	0.483477
1594.49	0.483039
1594.62	0.483017
1594.69	0.483518
1594.82	0.483518
1594.9	0.483673
1595.03	0.483215
1595.09	0.483366
1595.23	0.483366
1595.29	0.484746
1595.43	0.485955
1595.49	0.488944
1595.63	0.488944
1595.69	0.491387
1595.83	0.492251
1595.9	0.492984
1596.03	0.492984
1596.09	0.491363
1596.23	0.490148
1596.29	0.489188
1596.43	0.489188
1596.49	0.489114
1596.63	0.489882

30m_1000nm

1596.69	0.490193
1596.83	0.49071
1596.89	0.491172
1597.04	0.491683
1597.1	0.491986
1597.24	0.492499
1597.3	0.492493
1597.44	0.491853
1597.5	0.48894
1597.64	0.486904
1597.7	0.48491
1597.84	0.483855
1597.9	0.482748
1598.04	0.482493
1598.1	0.482706
1598.24	0.483281
1598.3	0.484323
1598.44	0.484978
1598.5	0.486
1598.65	0.486582
1598.7	0.487679
1598.84	0.488556
1598.91	0.489932
1599.05	0.490624
1599.1	0.491819
1599.25	0.492163
1599.31	0.492371
1599.45	0.492016
1599.51	0.491385
1599.65	0.490954
1599.71	0.490743
1599.85	0.490306
1599.91	0.489417
1600.05	0.489193
1600.11	0.489164
1600.25	0.489505
1600.31	0.490102
1600.45	0.491815
1600.51	0.492427
1600.65	0.493122
1600.71	0.493315
1600.85	0.493525
1600.91	0.493841
1601.06	0.493522
1601.11	0.493145
1601.26	0.492534
1601.32	0.49152
1601.46	0.491323
1601.52	0.490511

30m_1000nm

1601.66	0.489776
1601.72	0.486958
1601.86	0.485195
1601.92	0.484104
1602.06	0.482596
1602.12	0.480847
1602.26	0.481232
1602.32	0.481626
1602.46	0.482552
1602.53	0.484041
1602.66	0.484768
1602.72	0.485474
1602.86	0.485185
1602.92	0.48366
1603.07	0.483292
1603.13	0.483206
1603.27	0.484181
1603.32	0.486819
1603.47	0.488046
1603.53	0.48929
1603.67	0.49008
1603.73	0.49115
1603.87	0.491743
1603.93	0.491671
1604.07	0.491472
1604.13	0.491616
1604.27	0.49182
1604.33	0.492001
1604.47	0.492413
1604.53	0.492895
1604.68	0.49353
1604.73	0.49513
1604.88	0.495665
1604.94	0.496262
1605.08	0.496162
1605.14	0.494671
1605.28	0.493584
1605.33	0.492803
1605.48	0.491916
1605.54	0.491288
1605.68	0.490938
1605.74	0.491025
1605.88	0.49152
1605.9	0.491952
1606.08	0.491438
1606.09	0.490859
1606.28	0.490076
1606.3	0.489079
1606.48	0.488834

30m_1000nm

1606.49	0.488926
1606.69	0.488842
1606.69	0.488689
1606.89	0.48901
1606.9	0.489061
1607.09	0.488963
1607.1	0.488919
1607.29	0.487916
1607.3	0.487736
1607.49	0.487327
1607.5	0.487108
1607.69	0.487261
1607.7	0.488225
1607.89	0.488512
1607.9	0.488421
1608.09	0.485673
1608.1	0.485673
1608.29	0.485115
1608.3	0.485092
1608.49	0.485741
1608.5	0.48683
1608.59	0.487421
1608.69	0.487421
1608.79	0.487722
1608.9	0.487722
1608.99	0.488788
1609.1	0.488788
1609.19	0.489759
1609.3	0.489759
1609.39	0.491127
1609.5	0.491127
1609.59	0.490115
1609.7	0.490115
1609.79	0.485168
1609.9	0.485168
1609.99	0.482222
1610.1	0.482222
1610.19	0.483473
1610.3	0.483473
1610.4	0.486939
1610.5	0.486939
1610.59	0.490624
1610.7	0.490624
1610.79	0.490633
1610.91	0.490633
1610.99	0.489059
1611.11	0.488134
1611.19	0.486273
1611.31	0.486273

30m_1000nm

1611.4	0.485062
1611.51	0.484962
1611.59	0.483688
1611.71	0.483688
1611.79	0.48273
1611.91	0.484219
1611.99	0.48511
1612.11	0.48511
1612.19	0.486923
1612.31	0.486923
1612.39	0.487221
1612.51	0.487221
1612.59	0.486249
1612.71	0.486249
1612.8	0.483694
1612.92	0.483694
1612.99	0.483835
1613.12	0.483835
1613.19	0.487799
1613.32	0.487799
1613.39	0.490697
1613.52	0.490697
1613.59	0.492622
1613.72	0.492731
1613.8	0.492111
1613.92	0.492111
1613.99	0.491534
1614.12	0.491336
1614.19	0.49112
1614.32	0.49112
1614.39	0.490373
1614.52	0.489918
1614.59	0.489371
1614.72	0.489371
1614.8	0.488721
1614.93	0.489147
1614.99	0.489702
1615.13	0.489702
1615.19	0.490264
1615.33	0.490724
1615.4	0.490871
1615.53	0.490871
1615.59	0.491388
1615.73	0.491388
1615.79	0.492599
1615.93	0.492599
1615.99	0.492362
1616.13	0.492362
1616.19	0.490955

30m_1000nm

1616.33	0.489877
1616.4	0.48867
1616.53	0.48867
1616.59	0.488829
1616.73	0.488941
1616.79	0.489007
1616.94	0.489007
1617	0.488467
1617.14	0.488236
1617.19	0.488027
1617.34	0.488111
1617.4	0.488468
1617.54	0.488781
1617.6	0.489289
1617.74	0.489048
1617.8	0.488326
1617.94	0.488067
1618	0.487614
1618.14	0.487039
1618.2	0.487324
1618.34	0.487483
1618.4	0.487443
1618.54	0.487264
1618.6	0.486015
1618.74	0.485019
1618.81	0.483571
1618.94	0.482269
1619	0.481515
1619.15	0.480877
1619.2	0.481021
1619.35	0.481351
1619.41	0.481597
1619.55	0.482458
1619.61	0.483851
1619.75	0.484104
1619.81	0.484336
1619.95	0.484319
1620.01	0.484006
1620.15	0.484115
1620.21	0.483983
1620.35	0.484005
1620.41	0.484805
1620.55	0.485689
1620.61	0.486695
1620.75	0.488162
1620.81	0.490693
1620.95	0.49181
1621.01	0.492741
1621.16	0.493188

30m_1000nm

1621.22	0.492488
1621.36	0.492087
1621.42	0.491995
1621.56	0.492163
1621.62	0.491624
1621.76	0.490613
1621.82	0.489547
1621.96	0.48842
1622.02	0.487241
1622.16	0.487653
1622.22	0.487955
1622.36	0.488626
1622.42	0.490515
1622.56	0.491035
1622.62	0.491245
1622.76	0.491093
1622.82	0.490564
1622.96	0.489292
1623.03	0.489169
1623.17	0.48919
1623.22	0.488357
1623.37	0.487709
1623.43	0.487472
1623.57	0.487506
1623.63	0.487463
1623.77	0.487778
1623.83	0.489295
1623.97	0.490356
1624.03	0.491446
1624.17	0.492642
1624.23	0.494263
1624.37	0.493721
1624.43	0.492842
1624.57	0.492416
1624.63	0.490848
1624.77	0.489964
1624.84	0.489613
1624.97	0.490141
1625.03	0.491471
1625.18	0.492149
1625.23	0.492805
1625.38	0.493144
1625.44	0.492563
1625.58	0.492112
1625.64	0.491063
1625.78	0.489848
1625.79	0.48813
1625.98	0.487741
1625.99	0.487378

30m_1000nm

1626.18	0.48758
1626.19	0.487334
1626.38	0.488196
1626.4	0.48865
1626.58	0.489851
1626.6	0.491047
1626.79	0.493169
1626.79	0.493463
1626.98	0.49347
1627	0.494042
1627.19	0.494979
1627.2	0.494883
1627.39	0.494307
1627.4	0.493792
1627.59	0.492814
1627.6	0.491253
1627.79	0.490459
1627.8	0.4903
1627.99	0.490396
1628	0.491647
1628.19	0.492364
1628.2	0.492728
1628.39	0.492853
1628.4	0.492628
1628.59	0.492125
1628.6	0.491595
1628.69	0.49112
1628.8	0.49112
1628.89	0.490756
1628.99	0.490756
1629.09	0.490758
1629.2	0.490758
1629.3	0.49086
1629.4	0.49086
1629.49	0.489894
1629.6	0.489894
1629.69	0.485887
1629.8	0.485887
1629.89	0.484246
1630	0.484246
1630.09	0.483264
1630.2	0.483437
1630.29	0.484712
1630.4	0.484712
1630.49	0.485883
1630.6	0.485937
1630.69	0.486908
1630.8	0.486908
1630.9	0.488137

30m_1000nm

1631.01	0.488137
1631.09	0.489344
1631.21	0.489344
1631.29	0.490295
1631.41	0.490295
1631.49	0.488706
1631.61	0.488706
1631.69	0.486596
1631.81	0.486596
1631.89	0.482905
1632.01	0.482905
1632.09	0.480127
1632.21	0.480127
1632.29	0.478531
1632.41	0.478531
1632.49	0.478793
1632.61	0.478793
1632.69	0.480453
1632.81	0.48138
1632.89	0.483961
1633.02	0.483961
1633.09	0.485768
1633.22	0.486926
1633.29	0.488248
1633.42	0.488248
1633.49	0.489155
1633.62	0.489324
1633.69	0.490637
1633.82	0.490637
1633.9	0.491521
1634.02	0.491835
1634.09	0.491508
1634.22	0.491508
1634.29	0.489548
1634.42	0.488044
1634.49	0.48554
1634.62	0.48554
1634.69	0.484363
1634.82	0.484363
1634.9	0.483847
1635.03	0.483847
1635.09	0.484062
1635.23	0.484062
1635.3	0.484705
1635.43	0.484798
1635.49	0.485802
1635.63	0.485802
1635.69	0.488063
1635.83	0.48937

30m_1000nm

1635.9	0.491972
1636.03	0.491972
1636.09	0.493973
1636.23	0.494851
1636.3	0.49663
1636.43	0.49663
1636.49	0.497713
1636.63	0.498191
1636.69	0.497727
1636.83	0.497727
1636.9	0.495827
1637.04	0.494604
1637.09	0.493921
1637.24	0.493433
1637.3	0.493345
1637.44	0.493252
1637.5	0.493189
1637.64	0.492727
1637.7	0.490607
1637.84	0.489468
1637.9	0.488568
1638.04	0.487911
1638.1	0.487124
1638.24	0.488112
1638.3	0.488112
1638.44	0.488627
1638.5	0.488799
1638.64	0.488611
1638.7	0.487891
1638.84	0.486755
1638.9	0.485597
1639.05	0.485009
1639.1	0.484416
1639.25	0.484341
1639.31	0.484765
1639.45	0.484954
1639.51	0.485206
1639.65	0.48531
1639.71	0.485863
1639.85	0.486187
1639.91	0.487981
1640.05	0.489368
1640.11	0.490967
1640.25	0.492019
1640.31	0.493653
1640.45	0.49394
1640.51	0.493569
1640.65	0.492727
1640.71	0.49031

30m_1000nm

1640.85	0.488479
1640.91	0.486952
1641.06	0.485109
1641.12	0.481239
1641.26	0.480022
1641.31	0.479109
1641.46	0.478917
1641.52	0.478458
1641.66	0.477879
1641.72	0.477556
1641.86	0.47751
1641.92	0.477773
1642.06	0.479102
1642.12	0.480864
1642.26	0.481905
1642.32	0.482897
1642.46	0.483775
1642.52	0.48466
1642.66	0.485122
1642.72	0.486062
1642.86	0.486918
1642.93	0.488345
1643.06	0.488204
1643.12	0.487833
1643.27	0.487416
1643.32	0.484933
1643.47	0.483582
1643.53	0.481887
1643.67	0.480565
1643.73	0.47924
1643.87	0.479856
1643.93	0.480573
1644.07	0.482503
1644.13	0.486787
1644.27	0.488958
1644.33	0.490864
1644.47	0.492346
1644.53	0.492632
1644.67	0.492633
1644.73	0.492556
1644.87	0.492417
1644.93	0.491047
1645.07	0.49011
1645.14	0.489418
1645.28	0.489146
1645.34	0.488882
1645.48	0.488626
1645.54	0.488724
1645.68	0.488264

30m_1000nm

1645.69	0.487588
1645.88	0.486505
1645.89	0.486505
1646.08	0.486394
1646.09	0.486813
1646.28	0.487383
1646.29	0.48929
1646.48	0.490085
1646.49	0.491059
1646.68	0.491602
1646.7	0.492189
1646.88	0.492406
1646.9	0.491806
1647.08	0.491172
1647.1	0.490136
1647.29	0.49005
1647.3	0.489759
1647.49	0.489992
1647.5	0.490578
1647.69	0.491238
1647.7	0.491648
1647.89	0.491801
1647.9	0.492087
1648.09	0.492822
1648.1	0.492757
1648.29	0.492364
1648.3	0.491848
1648.49	0.490854
1648.5	0.489846
1648.69	0.489419
1648.7	0.489776
1648.89	0.49189
1648.91	0.492409
1648.99	0.493466
1649.09	0.493466
1649.19	0.496446
1649.3	0.496446
1649.4	0.497669
1649.5	0.497669
1649.59	0.498106
1649.7	0.498106
1649.8	0.495289
1649.9	0.495289
1649.99	0.491721
1650.1	0.491721
1650.19	0.4875
1650.3	0.4875
1650.4	0.48646
1650.5	0.48646

30m_1000nm

1650.59	0.487873
1650.7	0.487873
1650.79	0.489179
1650.9	0.489179
1650.99	0.490109
1651.1	0.490109
1651.19	0.490926
1651.31	0.490926
1651.4	0.48913
1651.51	0.48913
1651.59	0.485648
1651.71	0.485648
1651.8	0.48298
1651.91	0.48298
1651.99	0.485635
1652.11	0.485635
1652.19	0.489375
1652.31	0.491586
1652.39	0.496483
1652.51	0.496483
1652.59	0.498485
1652.71	0.498525
1652.79	0.495426
1652.91	0.495426
1652.99	0.490402
1653.11	0.488206
1653.19	0.486775
1653.32	0.486775
1653.4	0.487018
1653.52	0.487018
1653.59	0.48941
1653.72	0.48941
1653.79	0.492317
1653.92	0.492317
1653.99	0.496506
1654.12	0.496506
1654.19	0.497372
1654.32	0.497372
1654.39	0.497713
1654.52	0.497689
1654.59	0.49742
1654.72	0.49742
1654.79	0.495978
1654.92	0.49503
1654.99	0.493678
1655.13	0.493678
1655.19	0.493727
1655.33	0.49408
1655.4	0.493511

30m_1000nm

1655.53	0.493511
1655.59	0.491557
1655.73	0.491376
1655.8	0.49053
1655.93	0.49053
1655.99	0.489975
1656.13	0.490203
1656.19	0.492575
1656.33	0.492575
1656.4	0.494589
1656.53	0.495427
1656.59	0.494879
1656.73	0.494879
1656.8	0.494531
1656.93	0.492615
1656.99	0.491965
1657.14	0.491406
1657.19	0.490991
1657.34	0.49039
1657.4	0.490472
1657.54	0.491099
1657.6	0.491442
1657.74	0.491933
1657.8	0.492767
1657.94	0.492927
1658	0.492485
1658.14	0.491776
1658.2	0.488879
1658.34	0.487867
1658.4	0.487294
1658.54	0.486881
1658.6	0.487531
1658.74	0.488247
1658.8	0.488539
1658.94	0.489296
1659	0.490231
1659.15	0.490529
1659.21	0.490232
1659.35	0.489909
1659.41	0.490538
1659.55	0.491095
1659.61	0.491587
1659.75	0.492274
1659.81	0.492919
1659.95	0.493107
1660.01	0.492972
1660.15	0.492593
1660.21	0.493542
1660.35	0.494294

30m_1000nm

1660.41	0.495397
1660.55	0.496328
1660.61	0.496872
1660.76	0.496905
1660.81	0.497277
1660.95	0.497185
1661.02	0.496608
1661.16	0.495752
1661.21	0.49381
1661.36	0.493363
1661.42	0.493293
1661.56	0.493667
1661.62	0.494168
1661.76	0.494084
1661.82	0.492889
1661.96	0.491663
1662.02	0.487976
1662.16	0.486464
1662.22	0.484951
1662.36	0.484136
1662.42	0.484052
1662.56	0.484626
1662.62	0.48526
1662.76	0.485992
1662.82	0.487555
1662.96	0.487663
1663.02	0.487385
1663.17	0.487021
1663.22	0.487461
1663.37	0.48775
1663.43	0.488084
1663.57	0.488152
1663.63	0.487774
1663.77	0.48748
1663.83	0.486906
1663.97	0.486376
1664.03	0.485063
1664.17	0.484356
1664.23	0.484029
1664.37	0.484017
1664.43	0.48478
1664.57	0.485852
1664.63	0.486634
1664.77	0.487918
1664.83	0.489814
1664.97	0.492353
1665.03	0.496467
1665.18	0.498263
1665.24	0.499163

30m_1000nm

1665.38	0.499023
1665.44	0.498233
1665.58	0.497068
1665.64	0.495129
1665.78	0.493198
1665.84	0.489681
1665.98	0.488471
1665.99	0.488109
1666.18	0.488066
1666.19	0.490889
1666.38	0.49259
1666.39	0.494249
1666.58	0.495788
1666.59	0.497898
1666.78	0.498463
1666.79	0.498513
1666.98	0.497793
1666.99	0.49598
1667.19	0.491415
1667.19	0.488631
1667.39	0.486275
1667.4	0.484403
1667.59	0.483463
1667.6	0.484531
1667.79	0.48613
1667.8	0.48772
1667.99	0.489581
1668	0.489844
1668.19	0.489631
1668.2	0.489248
1668.39	0.489591
1668.4	0.489591
1668.59	0.489615
1668.6	0.490048
1668.79	0.490232
1668.8	0.490779
1668.99	0.49099
1669	0.490928
1669.09	0.490792
1669.2	0.490792
1669.29	0.49094
1669.4	0.49094
1669.49	0.491316
1669.6	0.491316
1669.69	0.491045
1669.8	0.491045
1669.89	0.489557
1670	0.489557
1670.09	0.488391

30m_1000nm

1670.2	0.488391
1670.3	0.488623
1670.4	0.488623
1670.49	0.489747
1670.6	0.489747
1670.69	0.490269
1670.8	0.490269
1670.89	0.489821
1671	0.489821
1671.09	0.491563
1671.2	0.491563
1671.29	0.494049
1671.41	0.495171
1671.49	0.498007
1671.61	0.498007
1671.69	0.49912
1671.81	0.498805
1671.9	0.496998
1672.01	0.496998
1672.09	0.495312
1672.21	0.494025
1672.3	0.493363
1672.41	0.493363
1672.49	0.492667
1672.61	0.492667
1672.69	0.493447
1672.81	0.493447
1672.9	0.493907
1673.01	0.493907
1673.09	0.493748
1673.21	0.493748
1673.3	0.493393
1673.42	0.493393
1673.49	0.491374
1673.62	0.491374
1673.69	0.488821
1673.82	0.488821
1673.9	0.485669
1674.02	0.484366
1674.09	0.483417
1674.22	0.483417
1674.3	0.484709
1674.42	0.485324
1674.49	0.48684
1674.62	0.48684
1674.69	0.487611
1674.82	0.487916
1674.89	0.489453
1675.02	0.489453

30m_1000nm

1675.09	0.490929
1675.22	0.491276
1675.3	0.491595
1675.43	0.491595
1675.49	0.491984
1675.63	0.492087
1675.69	0.492551
1675.83	0.492551
1675.9	0.492774
1676.03	0.492498
1676.09	0.492166
1676.23	0.492166
1676.3	0.491975
1676.43	0.491975
1676.49	0.492691
1676.63	0.494018
1676.69	0.494937
1676.83	0.495915
1676.89	0.497846
1677.03	0.498895
1677.09	0.50123
1677.23	0.50123
1677.3	0.501541
1677.44	0.501555
1677.49	0.500774
1677.64	0.499952
1677.7	0.498562
1677.84	0.498483
1677.9	0.498495
1678.04	0.498488
1678.1	0.496847
1678.24	0.495121
1678.3	0.493414
1678.44	0.492044
1678.5	0.490282
1678.64	0.489832
1678.7	0.489263
1678.84	0.488816
1678.9	0.48728
1679.04	0.4863
1679.11	0.486347
1679.24	0.486223
1679.31	0.486177
1679.45	0.48546
1679.51	0.484823
1679.65	0.483742
1679.71	0.482747
1679.85	0.481781
1679.91	0.480818

30m_1000nm

1680.05	0.481838
1680.11	0.482885
1680.25	0.483843
1680.31	0.485925
1680.45	0.48754
1680.51	0.489339
1680.65	0.490231
1680.71	0.491676
1680.85	0.492138
1680.92	0.492503
1681.05	0.49312
1681.11	0.49352
1681.26	0.493419
1681.31	0.493172
1681.46	0.493447
1681.52	0.494245
1681.66	0.494469
1681.72	0.494421
1681.86	0.493766
1681.92	0.492519
1682.06	0.491795
1682.12	0.490904
1682.26	0.489899
1682.32	0.487755
1682.46	0.48748
1682.52	0.487886
1682.66	0.487951
1682.72	0.488598
1682.86	0.489261
1682.92	0.490061
1683.06	0.490445
1683.12	0.490738
1683.27	0.491048
1683.33	0.491126
1683.47	0.491567
1683.52	0.492016
1683.67	0.492687
1683.73	0.494987
1683.87	0.495882
1683.93	0.496191
1684.07	0.495945
1684.13	0.494149
1684.27	0.493036
1684.33	0.491983
1684.47	0.491805
1684.53	0.490953
1684.67	0.490819
1684.73	0.491171
1684.87	0.491837

30m_1000nm

1684.93	0.493847
1685.07	0.494328
1685.14	0.494475
1685.28	0.494426
1685.33	0.493887
1685.48	0.49385
1685.54	0.49336
1685.68	0.492651
1685.74	0.492222
1685.88	0.492085
1685.89	0.492176
1686.08	0.493055
1686.09	0.495129
1686.28	0.496186
1686.29	0.496738
1686.48	0.497306
1686.49	0.497528
1686.68	0.496968
1686.69	0.49633
1686.88	0.495206
1686.9	0.494085
1687.08	0.492015
1687.09	0.491112
1687.29	0.49068
1687.3	0.490937
1687.49	0.491356
1687.5	0.492631
1687.69	0.493313
1687.7	0.494034
1687.89	0.494471
1687.9	0.493854
1688.09	0.493304
1688.1	0.492172
1688.29	0.490641
1688.3	0.486984
1688.49	0.485166
1688.5	0.484287
1688.69	0.483755
1688.7	0.483707
1688.89	0.483445
1688.9	0.483319
1689.09	0.483778
1689.1	0.484511
1689.19	0.486491
1689.3	0.486491
1689.4	0.488712
1689.5	0.488712
1689.59	0.491793
1689.7	0.491793

30m_1000nm

1689.8	0.492623
1689.9	0.492623
1689.99	0.4904
1690.1	0.4904
1690.19	0.489532
1690.3	0.489532
1690.39	0.489652
1690.5	0.489556
1690.59	0.490142
1690.7	0.490142
1690.8	0.490998
1690.91	0.490971
1690.99	0.490578
1691.1	0.490578
1691.19	0.491691
1691.31	0.491691
1691.39	0.491523
1691.51	0.491523
1691.59	0.490231
1691.71	0.490231
1691.8	0.489515
1691.91	0.489515
1691.99	0.489727
1692.11	0.489727
1692.19	0.488345
1692.31	0.488345
1692.39	0.487365
1692.51	0.487365
1692.59	0.486388
1692.71	0.486388
1692.8	0.485864
1692.91	0.485864
1692.99	0.486473
1693.11	0.487051
1693.19	0.487238
1693.31	0.487238
1693.39	0.486854
1693.52	0.4868
1693.59	0.486924
1693.72	0.486924
1693.79	0.486502
1693.92	0.48611
1693.99	0.486621
1694.12	0.486621
1694.19	0.487542
1694.32	0.489124
1694.4	0.493836
1694.52	0.493836
1694.59	0.49696

30m_1000nm

1694.72	0.49729
1694.8	0.496117
1694.92	0.496117
1694.99	0.494376
1695.12	0.494376
1695.19	0.494902
1695.32	0.494902
1695.4	0.495809
1695.53	0.495809
1695.59	0.497012
1695.73	0.498082
1695.79	0.499749
1695.93	0.499749
1695.99	0.501801
1696.13	0.502209
1696.19	0.500875
1696.33	0.500875
1696.4	0.496325
1696.53	0.493822
1696.59	0.489265
1696.73	0.489265
1696.8	0.486892
1696.93	0.486856
1696.99	0.486819
1697.13	0.486819
1697.2	0.486938
1697.33	0.486975
1697.4	0.486895
1697.54	0.486845
1697.59	0.48807
1697.74	0.488732
1697.8	0.489328
1697.94	0.489865
1698	0.49094
1698.14	0.491901
1698.2	0.492177
1698.34	0.492285
1698.4	0.492387
1698.54	0.491794
1698.6	0.491794
1698.74	0.491677
1698.8	0.491225
1698.94	0.491163
1699.01	0.491263
1699.14	0.491608
1699.2	0.492431
1699.34	0.493299
1699.4	0.494189
1699.55	0.494479

30m_1000nm

1699.61	0.494416
1699.75	0.494364
1699.81	0.49213
1699.95	0.491165
1700.01	0.490117
1700.15	0.489226
1700.21	0.489599
1700.35	0.490567
1700.41	0.491767
1700.55	0.493167
1700.61	0.494418
1700.75	0.494021
1700.81	0.493357
1700.95	0.492683
1701.01	0.492295
1701.15	0.493032
1701.21	0.493311
1701.35	0.493663
1701.42	0.494464
1701.56	0.494561
1701.61	0.494485
1701.76	0.494493
1701.82	0.494833
1701.96	0.49539
1702.02	0.496156
1702.16	0.496886
1702.22	0.497376
1702.36	0.49647
1702.42	0.494152
1702.56	0.492753
1702.62	0.490889
1702.76	0.489752
1702.82	0.487504
1702.96	0.487354
1703.02	0.487484
1703.16	0.487669
1703.22	0.488775
1703.36	0.489784
1703.43	0.490815
1703.57	0.491629
1703.63	0.492121
1703.77	0.492478
1703.83	0.492082
1703.97	0.491199
1704.03	0.490757
1704.17	0.490632
1704.23	0.490687
1704.37	0.491222
1704.43	0.492484

30m_1000nm

1704.57	0.493935
1704.63	0.495623
1704.77	0.497181
1704.83	0.498546
1704.97	0.498216
1705.04	0.497116
1705.17	0.495681
1705.23	0.491224
1705.38	0.489178
1705.44	0.487855
1705.58	0.486933
1705.64	0.486073
1705.78	0.486637
1705.84	0.486977
1705.98	0.487198
1705.99	0.487007
1706.18	0.487634
1706.19	0.487634
1706.38	0.48932
1706.4	0.491185
1706.58	0.49338
1706.59	0.495693
1706.78	0.495747
1706.79	0.4953
1706.98	0.49445
1706.99	0.492493
1707.18	0.492356
1707.2	0.492108
1707.39	0.492225
1707.4	0.492182
1707.59	0.491705
1707.6	0.49133
1707.79	0.490991
1707.8	0.49088
1707.99	0.490693
1708	0.491076
1708.19	0.491604
1708.2	0.49242
1708.39	0.494369
1708.4	0.494115
1708.59	0.493721
1708.6	0.493233
1708.79	0.492612
1708.8	0.492611
1708.99	0.492836
1709	0.493162
1709.09	0.494399
1709.19	0.494399
1709.29	0.496121

30m_1000nm

1709.4	0.496121
1709.49	0.496147
1709.6	0.495661
1709.69	0.494193
1709.8	0.494193
1709.9	0.49306
1710	0.49306
1710.09	0.490852
1710.2	0.490852
1710.3	0.489297
1710.4	0.489297
1710.49	0.488471
1710.6	0.488471
1710.69	0.48863
1710.8	0.48863
1710.89	0.489645
1711	0.489645
1711.09	0.491927
1711.2	0.491927
1711.3	0.491935
1711.41	0.491935
1711.49	0.492028
1711.61	0.492028
1711.69	0.491766
1711.81	0.491766
1711.9	0.491593
1712.01	0.491593
1712.09	0.489684
1712.21	0.489684
1712.3	0.487698
1712.41	0.487698
1712.49	0.485716
1712.61	0.485414
1712.69	0.486823
1712.81	0.486823
1712.89	0.490865
1713.01	0.492489
1713.09	0.495809
1713.21	0.495809
1713.29	0.497795
1713.42	0.498213
1713.49	0.49821
1713.62	0.49821
1713.69	0.498937
1713.82	0.498937
1713.9	0.497533
1714.02	0.497533
1714.09	0.495862
1714.22	0.495862

30m_1000nm

1714.29	0.494448
1714.42	0.494448
1714.49	0.494977
1714.62	0.494977
1714.69	0.496661
1714.82	0.496928
1714.89	0.496243
1715.02	0.496243
1715.09	0.495922
1715.22	0.495322
1715.3	0.494203
1715.43	0.494203
1715.49	0.494352
1715.63	0.494494
1715.69	0.493635
1715.83	0.493635
1715.9	0.491773
1716.03	0.490334
1716.09	0.488094
1716.23	0.488094
1716.3	0.487126
1716.43	0.486753
1716.49	0.487858
1716.63	0.487858
1716.69	0.488641
1716.83	0.489208
1716.89	0.490803
1717.03	0.490803
1717.09	0.491335
1717.23	0.493145
1717.3	0.494287
1717.44	0.495656
1717.49	0.496841
1717.64	0.497498
1717.7	0.498023
1717.84	0.497553
1717.9	0.496671
1718.04	0.495611
1718.1	0.493032
1718.24	0.491748
1718.3	0.490829
1718.44	0.490438
1718.5	0.490157
1718.64	0.490059
1718.7	0.490142
1718.84	0.491225
1718.9	0.494283
1719.04	0.495929
1719.1	0.497584

30m_1000nm

1719.24	0.498896
1719.3	0.500238
1719.44	0.500398
1719.51	0.499459
1719.65	0.498028
1719.7	0.494501
1719.85	0.492617
1719.91	0.49114
1720.05	0.490304
1720.11	0.491936
1720.25	0.493152
1720.31	0.494415
1720.45	0.495368
1720.51	0.496864
1720.65	0.497339
1720.71	0.497936
1720.85	0.498515
1720.91	0.498892
1721.05	0.499039
1721.11	0.499266
1721.26	0.499229
1721.32	0.499196
1721.46	0.498633
1721.51	0.496874
1721.66	0.495968
1721.71	0.495326
1721.86	0.494442
1721.92	0.492544
1722.06	0.491505
1722.12	0.49071
1722.26	0.490003
1722.32	0.490917
1722.46	0.492338
1722.52	0.493581
1722.66	0.4951
1722.72	0.497073
1722.86	0.497443
1722.92	0.497313
1723.06	0.497323
1723.13	0.496547
1723.27	0.495174
1723.32	0.49355
1723.47	0.491789
1723.52	0.487818
1723.67	0.486742
1723.73	0.48576
1723.87	0.485452
1723.93	0.486056
1724.07	0.4864

30m_1000nm

1724.13	0.487213
1724.27	0.488253
1724.33	0.489143
1724.47	0.489561
1724.53	0.489988
1724.67	0.490102
1724.73	0.490249
1724.87	0.489662
1724.94	0.489552
1725.07	0.489691
1725.13	0.490131
1725.28	0.491353
1725.33	0.494292
1725.48	0.495815
1725.54	0.496438
1725.68	0.496295
1725.74	0.493281
1725.88	0.490594
1725.89	0.487883
1726.08	0.485869
1726.09	0.484874
1726.28	0.485823
1726.3	0.487676
1726.48	0.489724
1726.49	0.492151
1726.68	0.493139
1726.69	0.494546
1726.88	0.495503
1726.9	0.49587
1727.08	0.495066
1727.09	0.493808
1727.29	0.492997
1727.29	0.492536
1727.49	0.49167
1727.5	0.491074
1727.69	0.490842
1727.7	0.490224
1727.89	0.488902
1727.9	0.488778
1728.09	0.489474
1728.1	0.491343
1728.29	0.494578
1728.3	0.494926
1728.49	0.494096
1728.5	0.492795
1728.69	0.4894
1728.7	0.488428
1728.79	0.488052
1728.9	0.488052

30m_1000nm

1728.99	0.488998
1729.09	0.488998
1729.19	0.492477
1729.3	0.492477
1729.4	0.495391
1729.5	0.495391
1729.59	0.498627
1729.7	0.498627
1729.79	0.498731
1729.9	0.498731
1729.99	0.497827
1730.1	0.497827
1730.19	0.498402
1730.3	0.498402
1730.39	0.49959
1730.5	0.49959
1730.59	0.500419
1730.7	0.500419
1730.8	0.501365
1730.9	0.501365
1730.99	0.501582
1731.1	0.501582
1731.19	0.501955
1731.31	0.501955
1731.39	0.50131
1731.51	0.50131
1731.59	0.498958
1731.71	0.497488
1731.8	0.495055
1731.91	0.495055
1731.99	0.494161
1732.11	0.494803
1732.19	0.496165
1732.31	0.496165
1732.4	0.496302
1732.51	0.496102
1732.59	0.49486
1732.71	0.49486
1732.79	0.492897
1732.91	0.492897
1732.99	0.492074
1733.11	0.492074
1733.19	0.493542
1733.32	0.493542
1733.39	0.495943
1733.52	0.495943
1733.59	0.496068
1733.72	0.496068
1733.8	0.492797

30m_1000nm

1733.92	0.492797
1733.99	0.490233
1734.12	0.490233
1734.19	0.489302
1734.32	0.488679
1734.39	0.486872
1734.52	0.486872
1734.59	0.48592
1734.72	0.486506
1734.79	0.488128
1734.93	0.488128
1734.99	0.489851
1735.13	0.49062
1735.19	0.491774
1735.33	0.491774
1735.4	0.492245
1735.53	0.492293
1735.59	0.491279
1735.73	0.491279
1735.79	0.48966
1735.93	0.489496
1735.99	0.489731
1736.13	0.489731
1736.19	0.491864
1736.33	0.492499
1736.4	0.493333
1736.53	0.493333
1736.59	0.4928
1736.73	0.4928
1736.8	0.492711
1736.94	0.492211
1737	0.49148
1737.14	0.49083
1737.19	0.489355
1737.34	0.488446
1737.4	0.487963
1737.54	0.487565
1737.6	0.48775
1737.74	0.48812
1737.8	0.488569
1737.94	0.488624
1738	0.489491
1738.14	0.489906
1738.2	0.489829
1738.34	0.489524
1738.4	0.488976
1738.54	0.488784
1738.6	0.488891
1738.74	0.489637

30m_1000nm

1738.81	0.491946
1738.94	0.493004
1739	0.493658
1739.15	0.494149
1739.2	0.495664
1739.35	0.495696
1739.41	0.4954
1739.55	0.494555
1739.61	0.491868
1739.75	0.490126
1739.81	0.489236
1739.95	0.488806
1740.01	0.4889
1740.15	0.490823
1740.21	0.491546
1740.35	0.492263
1740.41	0.492831
1740.55	0.493107
1740.61	0.492943
1740.75	0.492851
1740.81	0.493225
1740.95	0.493804
1741.01	0.495342
1741.16	0.496145
1741.22	0.496233
1741.36	0.496319
1741.42	0.496755
1741.56	0.496914
1741.62	0.496596
1741.76	0.496358
1741.82	0.49537
1741.96	0.494888
1742.02	0.494789
1742.16	0.494806
1742.22	0.49461
1742.36	0.494274
1742.42	0.493587
1742.56	0.492681
1742.62	0.491128
1742.76	0.490972
1742.82	0.491403
1742.96	0.491888
1743.03	0.493265
1743.17	0.49431
1743.22	0.495724
1743.37	0.496754
1743.43	0.49919
1743.57	0.500083
1743.63	0.50007

30m_1000nm

1743.77	0.499536
1743.83	0.498336
1743.97	0.494966
1744.03	0.492493
1744.17	0.490382
1744.23	0.488577
1744.37	0.487307
1744.43	0.485732
1744.57	0.486207
1744.63	0.487128
1744.77	0.488455
1744.84	0.490779
1744.97	0.49194
1745.04	0.492807
1745.18	0.493538
1745.23	0.493495
1745.38	0.493025
1745.44	0.492662
1745.58	0.492422
1745.64	0.491362
1745.78	0.49111
1745.8	0.491057
1745.98	0.4908
1745.99	0.491016
1746.18	0.491386
1746.19	0.491361
1746.38	0.491576
1746.4	0.49273
1746.58	0.493453
1746.59	0.494423
1746.78	0.495884
1746.8	0.497507
1746.98	0.500375
1747	0.501429
1747.19	0.502335
1747.2	0.502875
1747.39	0.503311
1747.4	0.503431
1747.59	0.502627
1747.6	0.501442
1747.79	0.496169
1747.8	0.496169
1747.99	0.494588
1748	0.493286
1748.19	0.492106
1748.2	0.492023
1748.39	0.492059
1748.4	0.492834
1748.59	0.493897

30m_1000nm

1748.6	0.497256
1748.79	0.497788
1748.81	0.497672
1748.9	0.497245
1749	0.497245
1749.09	0.495014
1749.2	0.495014
1749.29	0.495317
1749.4	0.495317
1749.49	0.495916
1749.6	0.495916
1749.69	0.496743
1749.8	0.496743
1749.89	0.496084
1750	0.496084
1750.09	0.49577
1750.2	0.49577
1750.3	0.497641
1750.4	0.497641
1750.49	0.497884
1750.6	0.497884
1750.69	0.497074
1750.8	0.496542
1750.89	0.49543
1751.01	0.49543
1751.09	0.494976
1751.21	0.495252
1751.29	0.495733
1751.41	0.495733
1751.49	0.497495
1751.61	0.499665
1751.69	0.499898
1751.81	0.499898
1751.9	0.499605
1752.01	0.499605
1752.09	0.499214
1752.21	0.499214
1752.3	0.498842
1752.41	0.498842
1752.49	0.496203
1752.61	0.496203
1752.69	0.493413
1752.81	0.493413
1752.9	0.490221
1753.02	0.490221
1753.09	0.490819
1753.22	0.490819
1753.3	0.492908
1753.42	0.493915

30m_1000nm

1753.49	0.495656
1753.62	0.495656
1753.69	0.496568
1753.82	0.496402
1753.89	0.495458
1754.02	0.495458
1754.09	0.494767
1754.22	0.495031
1754.29	0.495082
1754.42	0.495082
1754.49	0.49576
1754.62	0.496051
1754.69	0.495342
1754.82	0.495342
1754.89	0.494671
1755.03	0.494853
1755.09	0.496611
1755.23	0.496611
1755.3	0.497381
1755.43	0.497884
1755.49	0.49806
1755.63	0.49806
1755.69	0.498282
1755.83	0.498282
1755.89	0.49664
1756.03	0.494557
1756.09	0.4901
1756.23	0.4901
1756.3	0.485651
1756.43	0.483923
1756.49	0.482265
1756.63	0.482265
1756.69	0.482404
1756.83	0.482704
1756.9	0.483361
1757.04	0.484529
1757.09	0.488764
1757.24	0.49165
1757.3	0.494355
1757.44	0.496405
1757.5	0.498588
1757.64	0.498262
1757.7	0.497648
1757.84	0.496359
1757.9	0.493752
1758.04	0.492556
1758.1	0.491654
1758.24	0.490737
1758.3	0.48937

30m_1000nm

1758.44	0.489624
1758.5	0.490076
1758.64	0.491225
1758.71	0.494143
1758.84	0.495696
1758.9	0.496863
1759.05	0.497798
1759.1	0.498743
1759.25	0.500168
1759.31	0.500985
1759.45	0.500803
1759.51	0.50012
1759.65	0.499414
1759.71	0.497471
1759.85	0.497332
1759.91	0.497792
1760.05	0.498467
1760.11	0.500575
1760.25	0.501167
1760.31	0.501424
1760.45	0.500935
1760.52	0.498333
1760.65	0.496615
1760.71	0.494407
1760.85	0.492762
1760.91	0.490068
1761.06	0.489923
1761.12	0.490124
1761.26	0.490254
1761.32	0.490223
1761.46	0.489795
1761.52	0.489908
1761.66	0.490535
1761.72	0.491912
1761.86	0.493216
1761.92	0.494435
1762.06	0.495133
1762.12	0.496357
1762.26	0.497134
1762.32	0.497808
1762.46	0.498062
1762.52	0.498736
1762.66	0.500923
1762.72	0.502007
1762.86	0.502842
1762.93	0.503667
1763.06	0.504522
1763.13	0.504179
1763.27	0.503548

30m_1000nm

1763.33	0.50309
1763.47	0.502099
1763.53	0.500295
1763.67	0.499489
1763.73	0.498594
1763.87	0.497328
1763.93	0.496418
1764.07	0.496127
1764.13	0.496072
1764.27	0.496352
1764.33	0.497151
1764.47	0.497366
1764.53	0.49809
1764.67	0.498656
1764.74	0.499117
1764.87	0.49915
1764.93	0.498787
1765.07	0.498014
1765.14	0.494259
1765.28	0.49159
1765.34	0.489139
1765.48	0.487644
1765.54	0.486428
1765.68	0.487089
1765.69	0.488298
1765.88	0.489541
1765.89	0.491273
1766.08	0.492094
1766.09	0.492636
1766.28	0.493364
1766.29	0.494571
1766.48	0.495654
1766.49	0.495494
1766.68	0.495353
1766.69	0.495333
1766.88	0.495269
1766.89	0.496656
1767.08	0.497504
1767.09	0.498531
1767.29	0.499212
1767.3	0.499954
1767.49	0.500044
1767.5	0.499909
1767.69	0.499938
1767.7	0.500092
1767.89	0.49944
1767.9	0.498506
1768.09	0.497823
1768.1	0.496725

30m_1000nm

1768.29	0.496708
1768.3	0.496665
1768.49	0.496821
1768.5	0.496015
1768.69	0.495538
1768.7	0.49546
1768.89	0.495554
1768.9	0.495854
1768.99	0.495933
1769.1	0.495933
1769.19	0.496339
1769.3	0.496339
1769.4	0.499883
1769.5	0.499883
1769.59	0.502597
1769.7	0.502597
1769.79	0.503399
1769.9	0.503456
1769.99	0.502627
1770.1	0.502627
1770.19	0.501201
1770.3	0.500447
1770.4	0.500157
1770.5	0.500157
1770.59	0.500998
1770.7	0.500998
1770.8	0.501078
1770.9	0.501078
1770.99	0.500902
1771.1	0.500902
1771.19	0.496986
1771.31	0.496986
1771.4	0.493661
1771.51	0.493661
1771.59	0.490181
1771.71	0.490181
1771.79	0.490711
1771.91	0.490711
1771.99	0.496066
1772.11	0.496066
1772.19	0.500169
1772.31	0.500169
1772.4	0.502999
1772.51	0.502999
1772.59	0.503545
1772.71	0.503545
1772.8	0.502998
1772.91	0.502809
1772.99	0.501185

30m_1000nm

1773.11	0.501185
1773.19	0.499121
1773.32	0.497569
1773.4	0.49405
1773.52	0.49405
1773.59	0.491094
1773.72	0.490329
1773.79	0.490343
1773.92	0.490343
1773.99	0.491264
1774.12	0.491633
1774.19	0.490098
1774.32	0.490098
1774.39	0.487802
1774.52	0.487802
1774.59	0.486007
1774.72	0.486007
1774.8	0.488065
1774.92	0.488065
1774.99	0.490107
1775.13	0.490931
1775.19	0.492492
1775.33	0.492492
1775.39	0.493086
1775.53	0.493463
1775.59	0.494002
1775.73	0.494002
1775.8	0.494218
1775.93	0.49463
1775.99	0.496655
1776.13	0.496655
1776.19	0.498269
1776.33	0.499469
1776.39	0.501497
1776.53	0.501497
1776.59	0.502506
1776.73	0.502861
1776.8	0.50272
1776.93	0.502463
1776.99	0.500745
1777.14	0.499029
1777.19	0.496985
1777.34	0.495087
1777.4	0.49208
1777.54	0.491497
1777.6	0.491934
1777.74	0.492911
1777.8	0.493635
1777.94	0.495436

30m_1000nm

1778	0.495436
1778.14	0.495264
1778.2	0.494513
1778.34	0.494112
1778.4	0.492752
1778.54	0.492313
1778.6	0.492057
1778.74	0.491441
1778.8	0.491093
1778.94	0.49172
1779.01	0.492146
1779.15	0.49333
1779.21	0.496694
1779.35	0.498422
1779.41	0.499761
1779.55	0.501063
1779.61	0.503079
1779.75	0.503417
1779.81	0.503582
1779.95	0.503543
1780.01	0.502831
1780.15	0.502084
1780.21	0.501392
1780.35	0.501028
1780.41	0.499567
1780.55	0.498907
1780.61	0.498366
1780.75	0.498097
1780.81	0.497327
1780.95	0.497587
1781.02	0.497889
1781.16	0.497984
1781.22	0.497056
1781.36	0.495842
1781.42	0.495129
1781.56	0.494451
1781.62	0.49387
1781.76	0.492519
1781.86	0.49149
1781.96	0.491421
1782.03	0.491135
1782.17	0.490605
1782.23	0.490605
1782.37	0.489968
1782.43	0.488454
1782.57	0.488454
1782.64	0.487556
1782.77	0.487847
1782.84	0.48863

30m_1000nm

1782.97	0.489947
1783.07	0.492441
1783.17	0.493887
1783.28	0.495146
1783.3	0.496217
1783.4	0.496837
1783.49	0.497867
1783.65	0.498244
1783.69	0.499007
1783.85	0.499007
1783.89	0.498969
1784.05	0.498528
1784.09	0.497768
1784.25	0.496692
1784.3	0.494349
1784.45	0.492673
1784.49	0.491652
1784.66	0.490689
1784.69	0.489254
1784.86	0.48991
1784.89	0.490823
1785.06	0.492166
1785.09	0.494438
1785.26	0.49541
1785.29	0.496213
1785.46	0.496583
1785.49	0.496082
1785.66	0.495558
1785.69	0.495267
1785.86	0.494795
1785.89	0.494788
1786.06	0.494788
1786.09	0.495021
1786.26	0.494568
1786.3	0.493121
1786.46	0.493121
1786.49	0.490221
1786.67	0.488701
1786.69	0.487896
1786.87	0.487444
1786.89	0.487497
1787.07	0.488027
1787.09	0.488843
1787.27	0.489516
1787.29	0.490803
1787.47	0.491242
1787.49	0.491785
1787.67	0.492113
1787.69	0.492899

30m_1000nm

1787.87	0.493354
1787.89	0.493129
1788.07	0.492936
1788.09	0.492766
1788.28	0.492912
1788.29	0.492994
1788.48	0.493144
1788.49	0.493615
1788.68	0.494329
1788.69	0.494799
1788.88	0.495411
1788.9	0.497309
1789.08	0.498694
1789.09	0.498979
1789.28	0.498602
1789.29	0.497471
1789.48	0.494419
1789.49	0.492319
1789.68	0.490881
1789.69	0.490253
1789.88	0.490484
1789.89	0.491478
1790.08	0.49222
1790.1	0.492579
1790.29	0.49306
1790.3	0.49346
1790.49	0.493588
1790.5	0.493937
1790.69	0.494921
1790.7	0.497691
1790.89	0.499262
1790.9	0.500999
1791.09	0.501732
1791.1	0.501474
1791.29	0.500738
1791.3	0.499295
1791.49	0.497698
1791.5	0.493874
1791.69	0.492243
1791.7	0.490538
1791.79	0.489527
1791.9	0.489527
1791.99	0.48995
1792.09	0.48995
1792.19	0.490624
1792.3	0.490624
1792.4	0.490471
1792.5	0.490471
1792.6	0.49137

30m_1000nm

1792.7	0.49137
1792.79	0.4914
1792.9	0.490913
1792.99	0.491138
1793.1	0.49116
1793.2	0.490066
1793.3	0.489373
1793.4	0.489042
1793.5	0.488849
1793.6	0.490074
1793.7	0.490074
1793.8	0.494355
1793.91	0.49729
1794	0.501128
1794.11	0.501128
1794.2	0.501531
1794.31	0.500616
1794.41	0.497908
1794.51	0.497908
1794.6	0.496019
1794.71	0.496017
1794.8	0.496335
1794.91	0.496335
1795.01	0.496153
1795.11	0.49578
1795.21	0.494944
1795.31	0.494944
1795.41	0.494646
1795.51	0.494511
1795.61	0.494397
1795.71	0.494397
1795.81	0.495264
1795.92	0.495869
1796.01	0.497317
1796.12	0.497317
1796.21	0.49929
1796.32	0.500133
1796.41	0.501224
1796.52	0.501224
1796.61	0.501794
1796.72	0.500875
1796.82	0.499258
1796.92	0.497005
1797.02	0.492971
1797.12	0.49123
1797.22	0.489813
1797.32	0.488813
1797.42	0.487733
1797.52	0.488398

30m_1000nm

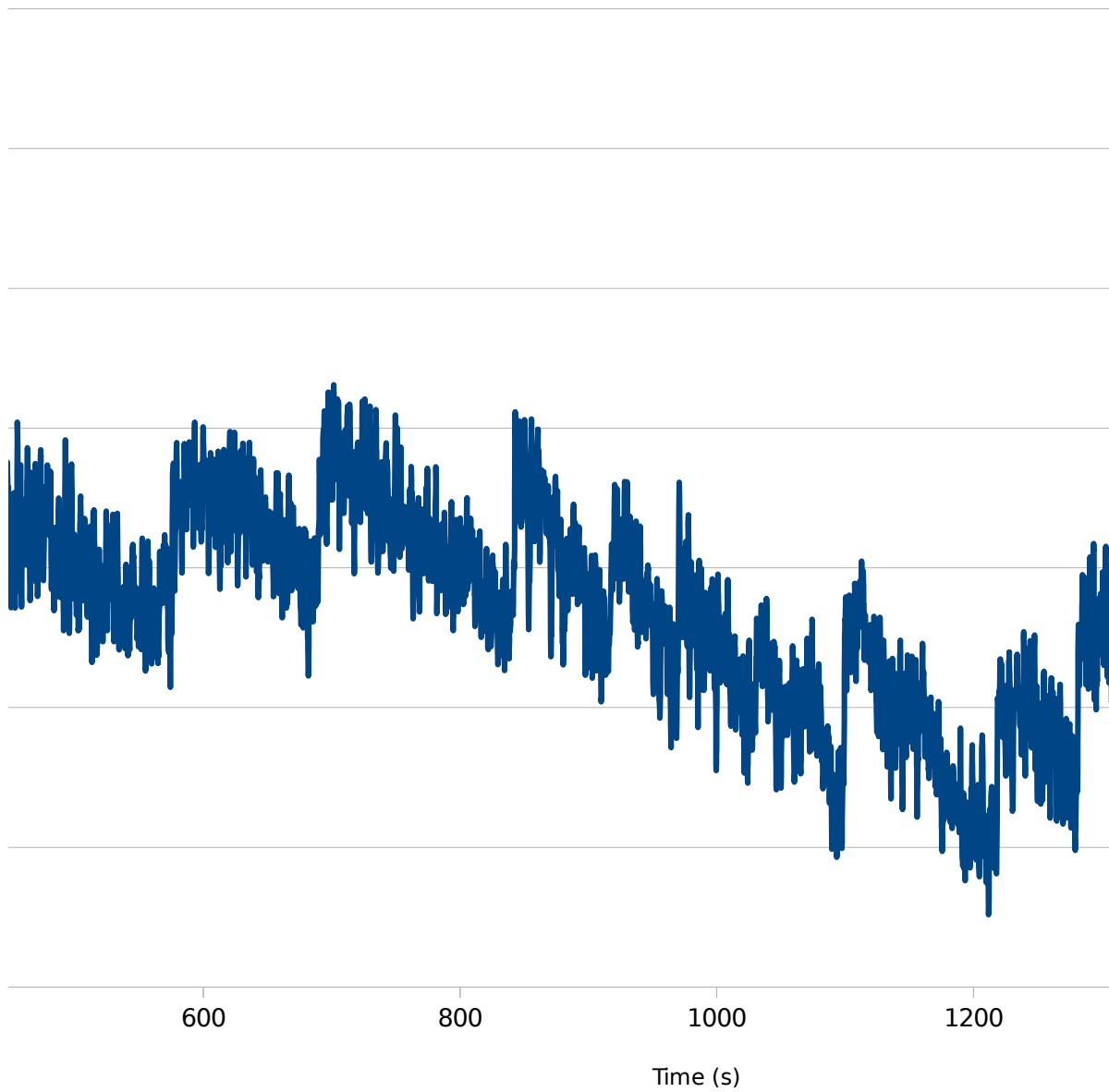
1797.62	0.488398
1797.72	0.489198
1797.82	0.491144
1797.93	0.491144
1798.02	0.493188
1798.13	0.494527
1798.22	0.496483
1798.33	0.496483
1798.42	0.497903
1798.53	0.497503
1798.63	0.495509
1798.73	0.495509
1798.82	0.492817
1798.93	0.492963
1799.03	0.494585
1799.13	0.494585
1799.23	0.497293
1799.33	0.498932
1799.43	0.501093
1799.53	0.501093
1799.63	0.50182
1799.74	0.501552
1799.83	0.500939
1799.94	0.500939
1800.03	0.500965

30m_1000nm

Power Deviation (W)

Percentage Deviation
1.79065362

1000 nm - 30 minutes



30m_1000nm

